University Commons Project

SCH# 2018112044

Draft Environmental Impact Report

Volume II of II (Appendices E-J)

Prepared for

City of Davis

November 2019

Prepared by

RANEY PLANNING & MANAGEMENT, INC. 20 years

1501 Sports Drive, Suite A, Sacramento, CA 95834

Appendix E

University Commons
AERMOD
Unmitigated Outputs

University Commons AERMOD
Unmitigated

AERMOD Model Options

Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	University Commons
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.SFC
ME	PROFFILE	Profile met file	C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.PFL
ME	SURFDATA	Surf met data info.	93225 2009 SMF
ME	UAIRDATA	U-Air met data info.	23230 2009
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	0
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU	DAYTABLE	Print summary opt.	

Source Parameter Tables

All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height
			East (m)	North (m)	(m)			(m)
Q1QWU00A	VOLUME	Construction	607963.7	4267238.3	0	0.001143936	(g/s)	5
Q1QWU00B	VOLUME	Construction	608027.3	4267238.3	0	0.001143936	(g/s)	5
Q1QWU00C	VOLUME	Construction	608090.9	4267238.3	0	0.001143936	(g/s)	5
Q1QWU00D	VOLUME	Construction	607940.7	4267301.5	0	0.001143936	(g/s)	5
Q1QWU00E	VOLUME	Construction	608004.3	4267301.5	0	0.001143936	(g/s)	5
Q1QWU00F	VOLUME	Construction	608067.9	4267301.5	0	0.001143936	(g/s)	5
Q1QWU00G	VOLUME	Construction	608131.6	4267301.5	0	0.001143936	(g/s)	5

Volume Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	Init. Lat. Dim.	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s)	(m)	(m)	(m)
Q1QWU00A	Construction	607963.7	4267238.3	0	0.001143936	5	29.59	1
Q1QWU00B	Construction	608027.3	4267238.3	0	0.001143936	5	29.59	1
Q1QWU00C	Construction	608090.9	4267238.3	0	0.001143936	5	29.59	1
Q1QWU00D	Construction	607940.7	4267301.5	0	0.001143936	5	29.59	1
Q1QWU00E	Construction	608004.3	4267301.5	0	0.001143936	5	29.59	1
Q1QWU00F	Construction	608067.9	4267301.5	0	0.001143936	5	29.59	1
Q1QWU00G	Construction	608131.6	4267301.5	0	0.001143936	5	29.59	1

University Commons AERMOD
Unmitigated

BREEZE AERMOD Model Results

Max. Annual (5 YEARS) Results of Pollutant: PM25 (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
			East (m)	North (m)	(m)	(m)	(m)		
ALL	1ST	0.14161	607975.00	4267360.20	0.00	0.00	5.40	DC	
	2ND	0.14066	607984.50	4267363.70	0.00	0.00	1.80	DC	
	3RD	0.13946	607970.00	4267360.20	0.00	0.00	5.40	DC	
	4TH	0.13920	607979.50	4267363.70	0.00	0.00	1.80	DC	
	5TH	0.13758	607974.50	4267363.70	0.00	0.00	1.80	DC	
	6TH	0.13657	607990.00	4267365.20	0.00	0.00	5.40	DC	
	7TH	0.13579	607969.50	4267363.70	0.00	0.00	1.80	DC	
	8TH	0.13561	608060.70	4267366.30	0.00	0.00	1.80	DC	
	9TH	0.13512	607985.00	4267365.20	0.00	0.00	5.40	DC	
	10TH	0.13496	608014.50	4267368.70	0.00	0.00	1.80	DC	

Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)	(m)	(m)	(m)		
1-HR	ALL	1ST	Avg. Conc.	7.04884	ug/m**3	12010919	607884.50	4267269.20	0.00	0.00	5.40	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
5	Warning Message(s)
9582	Informational Message(s)
43872	Hours Were Processed
7971	Calm Hours Identified
1611	Missing Hours Identified (3.67 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	W276	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H
WARNING	CO	W363	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H
WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

University Commons AERMOD
Unmitigated

WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
WARNING	MX	W481	Data Remaining After End of Year. Number of Hours= 48

www.breeze-software.com

UMAll_AERMOD_Input file

```
** BREEZE AERMOD
** Trinity Consultants
** VERSION  8.1

CO STARTING
CO TITLEONE  University Commons
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  1  ANNUAL
CO POLLUTID  PM25 H1H
CO FLAGPOLE  1.8
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  Q1QWU00A  VOLUME    607963.7  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00B  VOLUME    608027.3  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00C  VOLUME    608090.9  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00D  VOLUME    607940.7  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00E  VOLUME    608004.3  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00F  VOLUME    608067.9  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00G  VOLUME    608131.6  4267301.5  0
** SRCDESCR  Construction
SO SRCPARAM  Q1QWU00A  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00B  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00C  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00D  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00E  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00F  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00G  0.001143936  5  29.59  1
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
```

UMAll_AERMOD_Input file

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SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
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0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
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0  0
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SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE DISCCART  607904.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267343.7  0  0  1.8
```

UMAll_AERMOD_Input file

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** RCPDESCR  Receptors
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** RCPDESCR  Receptors
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** RCPDESCR  Receptors
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** RCPDESCR  Receptors
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** RCPDESCR  Receptors
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UMAll_AERMOD_Input file

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UMAll_AERMOD_Input file

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** RCPDESCR  Receptors
RE DISCCART  607954.5  4267363.7  0  0  1.8
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UMAll_AERMOD_Input file

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RE DISCCART  607959.5  4267363.7  0  0  1.8
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** RCPDESCR  Receptors
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** RCPDESCR  Receptors
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RE DISCCART  607944.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267368.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267373.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267378.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267383.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267388.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267393.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608135.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267341.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267351.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267356.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267361.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267366.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267376.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267381.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267386.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267391.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267396.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267406.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267411.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267416.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267421.3  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267193.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267203.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267218.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267228.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267243.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267258.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267268.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267310.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267310.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267310.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267325.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267335.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267345.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267355.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267375.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267245.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267255.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267270.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267290.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267310.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267320.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267330.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267340.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608257.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608257.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267350.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267056.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267066.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267071.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267081.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267091.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267096.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267106.4  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267090.2  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608179.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608179.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267100.2  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267105.2  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267110.2  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267115.2  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267120.2  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267125.2  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267130.2  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608160.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267052.1  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267062.1  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608136.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267345.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267350.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267360.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267365.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267370.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267375.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267385.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267390.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267395.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267400.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267410.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267415.6  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267345.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267350.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267355.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267365.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267370.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267375.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267380.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267385.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267385.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267390.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267395.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267063.1  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267068.1  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267078.1  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267088.1  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267093.1  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267103.1  0  0  5.4
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UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267306.3  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267321.3  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267331.3  0  0  5.4
```

UMAll_AERMOD_Input file

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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267346.3  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267356.3  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267371.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267371.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267189.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267199.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267209.2  0  0  5.4
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UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267224.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267234.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267249.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267259.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267269.2  0  0  5.4
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UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267085.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608324.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608324.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267100.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267105.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267110.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267115.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267120.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267125.2  0  0  5.4
```

UMAll_AERMOD_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607831.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607831.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607831.3  4267200.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267210.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267225.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267235.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267250.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267265.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267275.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267092.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608328.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267102.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267112.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
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** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267112.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267117.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267122.0  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608205.7  4267052.2  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608205.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608205.7  4267062.2  0  0  9
```

UMAll_AERMOD_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608166.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267052.6  0  0  10.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608162.8  4267051.3  0  0  12.6
```

UMAll_AERMOD_Input file

```
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608162.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608162.8  4267061.3  0  0  12.6
```

UMAll_AERMOD_Input file

```
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608255.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267235.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267315.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267395.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267415.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267435.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267455.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267475.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607815.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267495.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607815.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267515.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267535.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267555.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267595.0  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267200.9  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267280.9  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267340.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267340.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267380.9  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607826.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607826.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267440.9  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267480.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4266961.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267001.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267041.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267101.7  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267121.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608160.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608180.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608200.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608260.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608280.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608300.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608320.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608160.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608180.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608200.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266965.8  0  0  1.8
```

UMAll_AERMOD_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE FINISHED
```

UMAll_AERMOD_Input file

```
ME STARTING
ME SURFFILE  "C:\Users\jbyrne\Desktop\Davis Met\724839\724839.SFC"
** SURFFILE  "C:\Users\jbyrne\Desktop\Davis Met\724839\724839.SFC"
ME PROFFILE  "C:\Users\jbyrne\Desktop\Davis Met\724839\724839.PFL"
** PROFFILE  "C:\Users\jbyrne\Desktop\Davis Met\724839\724839.PFL"
ME SURFDATA  93225 2009 SMF
ME UAIRDATA  23230 2009
ME PROFBASE  0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  1  FIRST
OU FILEFORM  FIX
OU PLOTFILE  1  ALL  FIRST  ALL`1`FIRST.plt  10000
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10001
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone10",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROI
D["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["Greenwich",0],U
NIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAM
ETER["Zone",10],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  10
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
```

UMAll_AERMOD_Input file

```
** TEMPLATE REGULATORY,0
** AERMODEXE  AERMOD_EPA_18081_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE
```

UMAll_AERMOD_output file

```
** BREEZE AERMOD
** Trinity Consultants
** VERSION  8.1

CO STARTING
CO TITLEONE  University Commons
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  1  ANNUAL
CO POLLUTID  PM25 H1H
CO FLAGPOLE  1.8
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  Q1QWU00A  VOLUME    607963.7  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00B  VOLUME    608027.3  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00C  VOLUME    608090.9  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00D  VOLUME    607940.7  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00E  VOLUME    608004.3  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00F  VOLUME    608067.9  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00G  VOLUME    608131.6  4267301.5  0
** SRCDESCR  Construction
SO SRCPARAM  Q1QWU00A  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00B  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00C  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00D  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00E  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00F  0.001143936  5  29.59  1
SO SRCPARAM  Q1QWU00G  0.001143936  5  29.59  1
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
```

UMAll_AERMOD_output file

```
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE DISCCART  607904.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267343.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267353.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267358.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267363.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267368.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267373.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267378.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267383.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267388.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267393.7  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608135.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267341.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267351.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267356.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267361.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267366.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267376.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267381.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267386.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267391.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267396.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267406.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267411.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267416.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267421.3  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267193.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267203.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267218.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267228.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267243.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267258.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267268.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267310.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267310.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267310.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267325.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267335.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267345.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267355.4  0  0  1.8
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UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267375.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267245.0  0  0  1.8
```

UMAll_AERMOD_output file

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** RCPDESCR  Receptor
RE DISCCART  608212.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267255.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267270.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267290.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267310.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267320.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267330.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267340.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608257.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608257.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267350.0  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267056.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267066.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267071.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267081.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267091.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267096.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267106.4  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267090.2  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608179.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608179.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267100.2  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267105.2  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267110.2  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267115.2  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267120.2  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267125.2  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267130.2  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608160.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267052.1  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267062.1  0  0  1.8
```

UMAll_AERMOD_output file

```
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608136.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267345.6  0  0  5.4
```

UMAll_AERMOD_output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267350.6  0  0  5.4
```

UMAll_AERMOD_output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267360.6  0  0  5.4
```

UMAll_AERMOD_output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267365.6  0  0  5.4
```

UMAll_AERMOD_output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267370.6  0  0  5.4
```

UMAll_AERMOD_output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267375.6  0  0  5.4
```

UMAll_AERMOD_output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267385.6  0  0  5.4
```

UMAll_AERMOD_output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267390.6  0  0  5.4
```

UMAll_AERMOD_output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor

RE DISCCART  608091.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608116.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608136.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608056.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608076.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607905.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607995.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608010.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607900.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607920.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607915.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607905.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607895.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608015.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608005.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607995.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607937.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607982.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

```
RE DISCCART  607952.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607922.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607967.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607937.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607874.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607869.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607869.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607819.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607839.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267371.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267371.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

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RE DISCCART  607859.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

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RE DISCCART  607859.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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UMAll_AERMOD_output file

```
RE DISCCART  607879.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607849.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607869.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607839.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607859.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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UMAll_AERMOD_output file

```
RE DISCCART  607879.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608204.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608324.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608324.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608184.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608244.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608279.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608269.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608274.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608304.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607831.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607831.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607831.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607861.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607846.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607876.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607861.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607846.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607876.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608323.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608328.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608308.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608188.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608308.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608298.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608313.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608205.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608205.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608205.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608166.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608211.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608162.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608162.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608162.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608255.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608255.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608315.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608195.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608295.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608275.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608235.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608175.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607815.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608095.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607815.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608015.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608035.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608235.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608355.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607786.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607726.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267340.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267340.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607786.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607826.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607826.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607786.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267480.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607725.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607725.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607845.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  607845.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267121.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608160.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608180.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608200.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608260.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608280.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608300.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608320.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608160.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608180.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608200.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE DISCCART  608395.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_output file

```
RE FINISHED

ME STARTING
ME SURFFILE  "C:\Users\jbyrne\Desktop\Davis Met\724839\724839.SFC"
** SURFFILE  "C:\Users\jbyrne\Desktop\Davis Met\724839\724839.SFC"
ME PROFFILE  "C:\Users\jbyrne\Desktop\Davis Met\724839\724839.PFL"
** PROFFILE  "C:\Users\jbyrne\Desktop\Davis Met\724839\724839.PFL"
ME SURFDATA  93225 2009 SMF
ME UAIRDATA  23230 2009
ME PROFBASE  0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  1  FIRST
OU FILEFORM  FIX
OU PLOTFILE  1  ALL  FIRST  ALL`1`FIRST.plt  10000
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10001
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 CO W276      10       POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
  PM25 H1H
 CO W363      12       COCARD: Multiyr 24h/Ann PM25 processing not applicable for
  PM25 H1H
 OU W565    7290       OUPLOT: Possible Conflict With Dynamically Allocated FUNIT
  PLOTFILE
 OU W565    7291       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
  PLOTFILE

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

*** AERMOD - VERSION  18081 ***   ***  University Commons
```

```
                              UMAll_AERMOD_output file
                            ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                            ***        16:43:32

                                       PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                              ***     MODEL SETUP OPTIONS SUMMARY
  ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM25

 **NOTE: Special processing requirements applicable for the 24-hour PM2.5 NAAQS
have been disabled!!!
        High ranked 24-hour values are NOT averaged across the number of years
modeled, and
        complete years of data are NOT required.

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates ANNUAL Averages

 **This Run Includes:      7 Source(s);       1 Source Group(s); and    3606
Receptor(s)
```

UMAll_AERMOD_output file

```
               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:      7 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing
Hours
                                                                 b for Both Calm
and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     0.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.9 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 *** AERMOD - VERSION  18081 ***   ***  University Commons
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 *** AERMET - VERSION  14134 ***   ***
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                                    PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_output file

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
Q1QWU00A	0	0.11439E-02	607963.7	4267238.3	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00B	0	0.11439E-02	608027.3	4267238.3	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00C	0	0.11439E-02	608090.9	4267238.3	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00D	0	0.11439E-02	607940.7	4267301.5	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00E	0	0.11439E-02	608004.3	4267301.5	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00F	0	0.11439E-02	608067.9	4267301.5	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00G	0	0.11439E-02	608131.6	4267301.5	0.0	5.00	29.59	1.00	NO	HRDOW

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = Q1QWU00A ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.1000E+01	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.1000E+01	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = Q1QWU00B ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

UMAll_AERMOD_output file

```
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = Q1QWU00C     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

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9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = Q1QWU00D ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

UMAll_AERMOD_output file
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = Q1QWU00E ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.1000E+01	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.1000E+01	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

UMAll_AERMOD_output file

```
 SOURCE ID = Q1QWU00F     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                   PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = Q1QWU00G     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
```

UMAll_AERMOD_output file

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607904.5, 4267338.7, 0.0, 0.0, 1.8); (607909.5, 4267338.7, 0.0, 0.0, 1.8);
(607914.5, 4267338.7, 0.0, 0.0, 1.8); (607919.5, 4267338.7, 0.0, 0.0, 1.8);
(607904.5, 4267343.7, 0.0, 0.0, 1.8); (607909.5, 4267343.7, 0.0, 0.0, 1.8);
(607914.5, 4267343.7, 0.0, 0.0, 1.8); (607919.5, 4267343.7, 0.0, 0.0, 1.8);
(607939.5, 4267343.7, 0.0, 0.0, 1.8); (607944.5, 4267343.7, 0.0, 0.0, 1.8);
(607904.5, 4267348.7, 0.0, 0.0, 1.8); (607909.5, 4267348.7, 0.0, 0.0, 1.8);
(607914.5, 4267348.7, 0.0, 0.0, 1.8); (607934.5, 4267348.7, 0.0, 0.0, 1.8);
(607939.5, 4267348.7, 0.0, 0.0, 1.8); (607944.5, 4267348.7, 0.0, 0.0, 1.8);
(607949.5, 4267348.7, 0.0, 0.0, 1.8); (607954.5, 4267348.7, 0.0, 0.0, 1.8);
(607959.5, 4267348.7, 0.0, 0.0, 1.8); (607964.5, 4267348.7, 0.0, 0.0, 1.8);
(607969.5, 4267348.7, 0.0, 0.0, 1.8); (607974.5,

UMAll_AERMOD_output file

```
4267348.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267348.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267348.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267348.7,       0.0,       0.0,       1.8);         ( 607994.5,
4267348.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267348.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267348.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267348.7,       0.0,       0.0,       1.8);         ( 608014.5,
4267348.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607934.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607939.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607944.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607949.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607954.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607959.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607964.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607969.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267353.7,       0.0,       0.0,       1.8);         ( 608009.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 608014.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607899.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607904.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607909.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607934.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607939.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607944.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607949.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607954.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607959.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607964.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607969.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267358.7,       0.0,       0.0,       1.8);         ( 608009.5,
```

UMAll_AERMOD_output file

```
4267358.7,       0.0,       0.0,       1.8);
     ( 608014.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607899.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 607904.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607909.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 607934.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607939.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 607944.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607949.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 607954.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607959.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 607964.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607969.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267363.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267363.7,       0.0,       0.0,       1.8);         ( 608009.5,
4267363.7,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 608014.5, 4267363.7,       0.0,       0.0,       1.8);         ( 607899.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607904.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607909.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607914.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607919.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607924.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607929.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607934.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607939.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607944.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607949.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607954.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607959.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607964.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607969.5,
```

UMAll_AERMOD_output file

```
4267368.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267368.7,       0.0,       0.0,       1.8);         ( 608009.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 608014.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607899.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607904.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607909.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607914.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607919.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607924.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607929.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607934.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607939.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607944.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607949.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607954.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607959.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607964.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607969.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267373.7,       0.0,       0.0,       1.8);         ( 608009.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 608014.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607894.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607919.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607924.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607929.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607934.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607939.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607944.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607949.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607954.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607959.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607964.5,
```

UMAll_AERMOD_output file

```
4267378.7,       0.0,       0.0,       1.8);
     ( 607969.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607974.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607994.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267378.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267378.7,       0.0,       0.0,       1.8);         ( 608014.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607889.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607894.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607919.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607924.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607929.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607934.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607939.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607944.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607949.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607954.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607959.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607964.5,
4267383.7,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 607969.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607974.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607994.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267383.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267383.7,       0.0,       0.0,       1.8);         ( 608014.5,
```

UMAll_AERMOD_output file

```
4267383.7,       0.0,       0.0,       1.8);
     ( 607889.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607894.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607919.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607924.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607929.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607934.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607939.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607944.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607949.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607954.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607959.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607964.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607969.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607974.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607994.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267388.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267388.7,       0.0,       0.0,       1.8);         ( 608014.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607889.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607894.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607919.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607924.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607929.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607934.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607939.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607944.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607949.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607954.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607959.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607964.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607969.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607974.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607994.5,
```

UMAll_AERMOD_output file

```
4267393.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267393.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267393.7,       0.0,       0.0,       1.8);         ( 608014.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 608135.7, 4267336.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267336.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267336.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267336.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267341.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267341.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267341.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267341.3,       0.0,       0.0,       1.8);
     ( 608080.7, 4267346.3,       0.0,       0.0,       1.8);         ( 608085.7,
4267346.3,       0.0,       0.0,       1.8);
     ( 608090.7, 4267346.3,       0.0,       0.0,       1.8);         ( 608095.7,
4267346.3,       0.0,       0.0,       1.8);
     ( 608100.7, 4267346.3,       0.0,       0.0,       1.8);         ( 608105.7,
4267346.3,       0.0,       0.0,       1.8);
     ( 608110.7, 4267346.3,       0.0,       0.0,       1.8);         ( 608115.7,
4267346.3,       0.0,       0.0,       1.8);
     ( 608120.7, 4267346.3,       0.0,       0.0,       1.8);         ( 608125.7,
4267346.3,       0.0,       0.0,       1.8);
     ( 608130.7, 4267346.3,       0.0,       0.0,       1.8);         ( 608135.7,
4267346.3,       0.0,       0.0,       1.8);
     ( 608140.7, 4267346.3,       0.0,       0.0,       1.8);         ( 608145.7,
4267346.3,       0.0,       0.0,       1.8);
     ( 608150.7, 4267346.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267351.3,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                    PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 608085.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608100.7,
```

UMAll_AERMOD_output file

```
4267351.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608140.7,
```

UMAll_AERMOD_output file

```
4267361.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267371.3,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
```

UMAll_AERMOD_output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 608135.7, 4267371.3,       0.0,       0.0,       1.8);        ( 608140.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267371.3,       0.0,       0.0,       1.8);        ( 608150.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267371.3,       0.0,       0.0,       1.8);        ( 608060.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608070.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608080.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608090.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608100.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608110.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608120.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608130.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608140.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608150.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608060.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608070.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608080.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608090.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608100.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608110.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608120.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608130.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608140.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608150.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608060.7,
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UMAll_AERMOD_output file

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4267386.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267396.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267396.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267396.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267396.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267396.3,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_output file
*** 16:43:32

PAGE 16
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608085.7, 4267396.3, 0.0, 0.0, 1.8); (608090.7, 4267396.3, 0.0, 0.0, 1.8);
(608095.7, 4267396.3, 0.0, 0.0, 1.8); (608100.7, 4267396.3, 0.0, 0.0, 1.8);
(608105.7, 4267396.3, 0.0, 0.0, 1.8); (608110.7, 4267396.3, 0.0, 0.0, 1.8);
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(608125.7, 4267396.3, 0.0, 0.0, 1.8); (608130.7, 4267396.3, 0.0, 0.0, 1.8);
(608135.7, 4267396.3, 0.0, 0.0, 1.8); (608140.7, 4267396.3, 0.0, 0.0, 1.8);
(608145.7, 4267396.3, 0.0, 0.0, 1.8); (608150.7, 4267396.3, 0.0, 0.0, 1.8);
(608155.7, 4267396.3, 0.0, 0.0, 1.8); (608055.7, 4267401.3, 0.0, 0.0, 1.8);
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(608070.7, 4267401.3, 0.0, 0.0, 1.8); (608075.7, 4267401.3, 0.0, 0.0, 1.8);
(608080.7, 4267401.3, 0.0, 0.0, 1.8); (608085.7, 4267401.3, 0.0, 0.0, 1.8);
(608090.7, 4267401.3, 0.0, 0.0, 1.8); (608095.7, 4267401.3, 0.0, 0.0, 1.8);
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(608130.7, 4267401.3, 0.0, 0.0, 1.8); (608135.7, 4267401.3, 0.0, 0.0, 1.8);
(608140.7, 4267401.3, 0.0, 0.0, 1.8); (608145.7, 4267401.3, 0.0, 0.0, 1.8);
(608150.7, 4267401.3, 0.0, 0.0, 1.8); (608155.7, 4267401.3, 0.0, 0.0, 1.8);
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UMAll_AERMOD_output file

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4267406.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608140.7,
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     ( 608155.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608055.7,
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     ( 608070.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608075.7,
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     ( 608080.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608085.7,
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     ( 608090.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608095.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608100.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608105.7,
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     ( 608110.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608115.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608120.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608125.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608130.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608135.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608140.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608145.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608150.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608155.7,
4267411.3,       0.0,       0.0,       1.8);
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4267416.3,       0.0,       0.0,       1.8);
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4267416.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267416.3,       0.0,       0.0,       1.8);         ( 608090.7,
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     ( 608095.7, 4267416.3,       0.0,       0.0,       1.8);         ( 608100.7,
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UMAll_AERMOD_output file
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(608105.7, 4267416.3, 0.0, 0.0, 1.8); (608110.7,
4267416.3, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 17
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608115.7, 4267416.3, 0.0, 0.0, 1.8); (608120.7,
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(608125.7, 4267416.3, 0.0, 0.0, 1.8); (608130.7,
4267416.3, 0.0, 0.0, 1.8);
(608135.7, 4267416.3, 0.0, 0.0, 1.8); (608140.7,
4267416.3, 0.0, 0.0, 1.8);
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(608155.7, 4267416.3, 0.0, 0.0, 1.8); (608055.7,
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(608070.7, 4267421.3, 0.0, 0.0, 1.8); (608075.7,
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(608080.7, 4267421.3, 0.0, 0.0, 1.8); (608085.7,
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(608100.7, 4267421.3, 0.0, 0.0, 1.8); (608105.7,
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(608120.7, 4267421.3, 0.0, 0.0, 1.8); (608125.7,
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(608140.7, 4267421.3, 0.0, 0.0, 1.8); (608145.7,
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(608150.7, 4267421.3, 0.0, 0.0, 1.8); (608155.7,
4267421.3, 0.0, 0.0, 1.8);
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4267188.0, 0.0, 0.0, 1.8);
(607839.9, 4267188.0, 0.0, 0.0, 1.8); (607844.9,

UMAll_AERMOD_output file

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     ( 607859.9, 4267188.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267188.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267188.0,       0.0,       0.0,       1.8);         ( 607874.9,
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     ( 607879.9, 4267188.0,       0.0,       0.0,       1.8);         ( 607829.9,
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4267193.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267193.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267193.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267193.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267193.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267193.0,       0.0,       0.0,       1.8);         ( 607879.9,
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     ( 607849.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267198.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267198.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267198.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607839.9,
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4267203.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267203.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267203.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267203.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267203.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267203.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267203.0,       0.0,       0.0,       1.8);
     ( 607839.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267208.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267208.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267208.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267208.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607839.9,
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UMAll_AERMOD_output file

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4267213.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267213.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267213.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267213.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267213.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607839.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607844.9,
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     ( 607849.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267218.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267218.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267218.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267223.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267223.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267223.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267223.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607839.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267228.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267228.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267228.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267228.0,       0.0,       0.0,       1.8);
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UMAll_AERMOD_output file

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     ( 607854.9, 4267233.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267233.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267233.0,       0.0,       0.0,       1.8);         ( 607869.9,
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     ( 607874.9, 4267233.0,       0.0,       0.0,       1.8);         ( 607879.9,
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     ( 607849.9, 4267238.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267238.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267238.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267238.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267238.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267238.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267238.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267243.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267243.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267243.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267243.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267243.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267243.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267243.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267243.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267243.0,       0.0,       0.0,       1.8);
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4267248.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267248.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267248.0,       0.0,       0.0,       1.8);
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     ( 607869.9, 4267248.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267248.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267248.0,       0.0,       0.0,       1.8);         ( 607839.9,
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4267253.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267253.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267253.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267253.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267253.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267253.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267253.0,       0.0,       0.0,       1.8);
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UMAll_AERMOD_output file

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     ( 607869.9, 4267258.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267258.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267258.0,       0.0,       0.0,       1.8);         ( 607839.9,
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     ( 607844.9, 4267263.0,       0.0,       0.0,       1.8);         ( 607849.9,
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     ( 607854.9, 4267263.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267263.0,       0.0,       0.0,       1.8);
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4267263.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267263.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267263.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                    PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607839.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267268.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267268.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267268.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267268.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267273.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267273.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267273.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267273.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607839.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267278.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607854.9,
```

UMAll_AERMOD_output file

```
4267278.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267278.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267278.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607868.8,
4267305.4,       0.0,       0.0,       1.8);
     ( 607873.8, 4267305.4,       0.0,       0.0,       1.8);         ( 607878.8,
4267305.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267310.4,       0.0,       0.0,       1.8);         ( 607873.8,
4267310.4,       0.0,       0.0,       1.8);
     ( 607878.8, 4267310.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267315.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267315.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607863.8, 4267315.4,       0.0,       0.0,       1.8);         ( 607868.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607873.8, 4267315.4,       0.0,       0.0,       1.8);         ( 607878.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607823.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607863.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607868.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607873.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607828.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607843.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607848.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607873.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607818.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607828.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607843.8,
```

UMAll_AERMOD_output file

```
4267330.4,       0.0,       0.0,       1.8);
     ( 607848.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607873.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607818.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607828.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607843.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607848.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607813.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607818.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267340.4,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                  PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 607828.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607843.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607848.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607813.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607818.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607828.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607843.8,
```

UMAll_AERMOD_output file

```
4267345.4,       0.0,       0.0,       1.8);
     ( 607848.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607813.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607818.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607823.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607863.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607818.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607823.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607863.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267360.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267360.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267360.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267360.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267360.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267360.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267360.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267365.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267365.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267365.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267365.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267365.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267365.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267370.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267370.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267370.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267375.4,       0.0,       0.0,       1.8);
     ( 608197.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267245.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267245.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608222.7,
```

UMAll_AERMOD_output file

```
4267245.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267245.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267245.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267255.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 608237.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267260.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267260.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267260.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267260.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267260.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267260.0,       0.0,       0.0,       1.8);         ( 608222.7,
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UMAll_AERMOD_output file

```
4267265.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267265.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267265.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267265.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267265.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267265.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267270.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267270.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267270.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267270.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267270.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267270.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267275.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267275.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267275.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267275.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267275.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267275.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267280.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267280.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267280.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267280.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267280.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267280.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267285.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267285.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267285.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267285.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267285.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267285.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267290.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267290.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267290.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267290.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267290.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267290.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267295.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267295.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267295.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267295.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267295.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267295.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267300.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267300.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267300.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267300.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267300.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267300.0,       0.0,       0.0,       1.8);         ( 608222.7,
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UMAll_AERMOD_output file

```
4267305.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267305.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267305.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267305.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267305.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267305.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267310.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267310.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267310.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267310.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267310.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267310.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267320.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                   PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 608237.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608192.7,
```

UMAll_AERMOD_output file

```
4267325.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608252.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608192.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608197.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608202.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608207.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608212.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608217.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608222.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608227.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608232.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608237.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608242.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608247.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608252.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608242.7,
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UMAll_AERMOD_output file

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4267340.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608252.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608257.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608252.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608257.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608192.7, 4267355.0,       0.0,       0.0,       1.8);         ( 608197.7,
4267355.0,       0.0,       0.0,       1.8);
     ( 608202.7, 4267355.0,       0.0,       0.0,       1.8);         ( 608207.7,
4267355.0,       0.0,       0.0,       1.8);
     ( 608212.7, 4267355.0,       0.0,       0.0,       1.8);         ( 608217.7,
4267355.0,       0.0,       0.0,       1.8);
     ( 607915.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267056.4,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                           ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                           ***       16:43:32

                                    PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
```

UMAll_AERMOD_output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 607935.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607940.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607945.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607950.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607955.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607960.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607965.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607970.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607975.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607980.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607915.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607920.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607925.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607930.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607935.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607940.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607945.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607950.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607955.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607960.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607965.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607970.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607975.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607980.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607985.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607915.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607935.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607940.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607945.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607950.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607955.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607960.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607965.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607970.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607975.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607980.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607915.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607920.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607925.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607930.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607935.3,
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UMAll_AERMOD_output file

```
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     ( 607940.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607945.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607950.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607955.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607960.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607965.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607970.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607975.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607980.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607985.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607915.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607935.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607940.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607945.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607950.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607955.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607960.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607965.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607970.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607975.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607980.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607915.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607920.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607925.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607930.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607935.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607940.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607945.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607950.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607955.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607960.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607965.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607970.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607975.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607980.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607985.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607915.3, 4267086.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267086.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267086.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267086.4,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                           ***         06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_output file
*** 16:43:32

PAGE 24
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607935.3, 4267086.4, 0.0, 0.0, 1.8); (607940.3, 4267086.4, 0.0, 0.0, 1.8);
(607945.3, 4267086.4, 0.0, 0.0, 1.8); (607950.3, 4267086.4, 0.0, 0.0, 1.8);
(607955.3, 4267086.4, 0.0, 0.0, 1.8); (607960.3, 4267086.4, 0.0, 0.0, 1.8);
(607965.3, 4267086.4, 0.0, 0.0, 1.8); (607970.3, 4267086.4, 0.0, 0.0, 1.8);
(607975.3, 4267086.4, 0.0, 0.0, 1.8); (607980.3, 4267086.4, 0.0, 0.0, 1.8);
(607985.3, 4267086.4, 0.0, 0.0, 1.8); (607915.3, 4267091.4, 0.0, 0.0, 1.8);
(607920.3, 4267091.4, 0.0, 0.0, 1.8); (607925.3, 4267091.4, 0.0, 0.0, 1.8);
(607930.3, 4267091.4, 0.0, 0.0, 1.8); (607935.3, 4267091.4, 0.0, 0.0, 1.8);
(607940.3, 4267091.4, 0.0, 0.0, 1.8); (607945.3, 4267091.4, 0.0, 0.0, 1.8);
(607950.3, 4267091.4, 0.0, 0.0, 1.8); (607955.3, 4267091.4, 0.0, 0.0, 1.8);
(607960.3, 4267091.4, 0.0, 0.0, 1.8); (607965.3, 4267091.4, 0.0, 0.0, 1.8);
(607970.3, 4267091.4, 0.0, 0.0, 1.8); (607975.3, 4267091.4, 0.0, 0.0, 1.8);
(607980.3, 4267091.4, 0.0, 0.0, 1.8); (607985.3, 4267091.4, 0.0, 0.0, 1.8);
(607915.3, 4267096.4, 0.0, 0.0, 1.8); (607920.3, 4267096.4, 0.0, 0.0, 1.8);
(607925.3, 4267096.4, 0.0, 0.0, 1.8); (607930.3, 4267096.4, 0.0, 0.0, 1.8);
(607935.3, 4267096.4, 0.0, 0.0, 1.8); (607940.3, 4267096.4, 0.0, 0.0, 1.8);
(607945.3, 4267096.4, 0.0, 0.0, 1.8); (607950.3, 4267096.4, 0.0, 0.0, 1.8);
(607955.3, 4267096.4, 0.0, 0.0, 1.8); (607960.3, 4267096.4, 0.0, 0.0, 1.8);
(607965.3, 4267096.4, 0.0, 0.0, 1.8); (607970.3, 4267096.4, 0.0, 0.0, 1.8);
(607975.3, 4267096.4, 0.0, 0.0, 1.8); (607980.3,

UMAll_AERMOD_output file

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4267096.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267096.4,       0.0,       0.0,       1.8);         ( 607915.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607920.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607925.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607930.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607935.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607940.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607945.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607950.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607955.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607960.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607965.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607970.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607975.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607980.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607985.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607915.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607935.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607940.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607945.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607950.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607955.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607960.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607965.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607970.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607975.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607980.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267106.4,       0.0,       0.0,       1.8);         ( 608194.8,
4267085.2,       0.0,       0.0,       1.8);
     ( 608199.8, 4267085.2,       0.0,       0.0,       1.8);         ( 608304.8,
4267085.2,       0.0,       0.0,       1.8);
     ( 608309.8, 4267085.2,       0.0,       0.0,       1.8);         ( 608314.8,
4267085.2,       0.0,       0.0,       1.8);
     ( 608184.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608189.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608194.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608199.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608204.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608209.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608304.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608309.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608314.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608319.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608324.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608179.8,
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UMAll_AERMOD_output file
4267095.2, 0.0, 0.0, 1.8);
(608184.8, 4267095.2, 0.0, 0.0, 1.8); (608189.8,
4267095.2, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 25
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608194.8, 4267095.2, 0.0, 0.0, 1.8); (608199.8,
4267095.2, 0.0, 0.0, 1.8);
(608204.8, 4267095.2, 0.0, 0.0, 1.8); (608209.8,
4267095.2, 0.0, 0.0, 1.8);
(608214.8, 4267095.2, 0.0, 0.0, 1.8); (608304.8,
4267095.2, 0.0, 0.0, 1.8);
(608309.8, 4267095.2, 0.0, 0.0, 1.8); (608314.8,
4267095.2, 0.0, 0.0, 1.8);
(608319.8, 4267095.2, 0.0, 0.0, 1.8); (608324.8,
4267095.2, 0.0, 0.0, 1.8);
(608179.8, 4267100.2, 0.0, 0.0, 1.8); (608184.8,
4267100.2, 0.0, 0.0, 1.8);
(608189.8, 4267100.2, 0.0, 0.0, 1.8); (608194.8,
4267100.2, 0.0, 0.0, 1.8);
(608199.8, 4267100.2, 0.0, 0.0, 1.8); (608204.8,
4267100.2, 0.0, 0.0, 1.8);
(608209.8, 4267100.2, 0.0, 0.0, 1.8); (608214.8,
4267100.2, 0.0, 0.0, 1.8);
(608219.8, 4267100.2, 0.0, 0.0, 1.8); (608224.8,
4267100.2, 0.0, 0.0, 1.8);
(608229.8, 4267100.2, 0.0, 0.0, 1.8); (608299.8,
4267100.2, 0.0, 0.0, 1.8);
(608304.8, 4267100.2, 0.0, 0.0, 1.8); (608309.8,
4267100.2, 0.0, 0.0, 1.8);
(608314.8, 4267100.2, 0.0, 0.0, 1.8); (608319.8,
4267100.2, 0.0, 0.0, 1.8);
(608324.8, 4267100.2, 0.0, 0.0, 1.8); (608184.8,
4267105.2, 0.0, 0.0, 1.8);
(608189.8, 4267105.2, 0.0, 0.0, 1.8); (608194.8,
4267105.2, 0.0, 0.0, 1.8);
(608199.8, 4267105.2, 0.0, 0.0, 1.8); (608204.8,
4267105.2, 0.0, 0.0, 1.8);
(608209.8, 4267105.2, 0.0, 0.0, 1.8); (608214.8,

UMAll_AERMOD_output file

```
4267105.2,       0.0,       0.0,       1.8);
     ( 608219.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608224.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608229.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608234.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608239.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608244.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608299.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608304.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608309.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608314.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608319.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608184.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608189.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608194.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608199.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608204.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608209.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608214.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608219.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608224.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608229.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608234.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608239.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608244.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608249.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608254.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608259.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608264.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608269.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608274.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608279.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608284.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608289.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608294.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608299.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608304.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608309.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608314.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608319.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608189.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608194.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608199.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608204.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608209.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608214.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608219.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608224.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608229.8,
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UMAll_AERMOD_output file

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4267115.2,       0.0,       0.0,       1.8);
     ( 608234.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608239.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608244.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608249.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608254.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608259.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608264.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608269.8,
4267115.2,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 608274.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608279.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608284.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608289.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608294.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608299.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608304.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608309.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608314.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608189.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608194.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608199.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608204.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608209.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608214.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608219.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608224.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608229.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608234.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608239.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608244.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608249.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608254.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608259.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608264.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608269.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608274.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608279.8,
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UMAll_AERMOD_output file

```
4267120.2,       0.0,       0.0,       1.8);
     ( 608284.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608289.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608294.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608299.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608304.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608309.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608314.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608204.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608209.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608214.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608219.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608224.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608229.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608234.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608239.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608244.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608249.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608254.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608259.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608264.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608269.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608274.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608279.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608284.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608289.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608294.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608299.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608304.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608309.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608314.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608224.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608229.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608234.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608239.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608244.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608249.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608254.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608259.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608264.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608269.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608274.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608279.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608284.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608289.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608294.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608299.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608304.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608309.8,
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UMAll_AERMOD_output file

4267130.2, 0.0, 0.0, 1.8); (608160.0, 4267047.1, 0.0, 0.0, 1.8); (608165.0, 4267047.1, 0.0, 0.0, 1.8);
(608170.0, 4267047.1, 0.0, 0.0, 1.8); (608175.0, 4267047.1, 0.0, 0.0, 1.8);
(608180.0, 4267047.1, 0.0, 0.0, 1.8); (608185.0, 4267047.1, 0.0, 0.0, 1.8);
(608190.0, 4267047.1, 0.0, 0.0, 1.8); (608195.0, 4267047.1, 0.0, 0.0, 1.8);
(608200.0, 4267047.1, 0.0, 0.0, 1.8); (608205.0, 4267047.1, 0.0, 0.0, 1.8);
(608210.0, 4267047.1, 0.0, 0.0, 1.8); (608215.0, 4267047.1, 0.0, 0.0, 1.8);
(608165.0, 4267052.1, 0.0, 0.0, 1.8); (608170.0, 4267052.1, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 27
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608175.0, 4267052.1, 0.0, 0.0, 1.8); (608180.0, 4267052.1, 0.0, 0.0, 1.8);
(608185.0, 4267052.1, 0.0, 0.0, 1.8); (608190.0, 4267052.1, 0.0, 0.0, 1.8);
(608195.0, 4267052.1, 0.0, 0.0, 1.8); (608200.0, 4267052.1, 0.0, 0.0, 1.8);
(608205.0, 4267052.1, 0.0, 0.0, 1.8); (608210.0, 4267052.1, 0.0, 0.0, 1.8);
(608215.0, 4267052.1, 0.0, 0.0, 1.8); (608220.0, 4267052.1, 0.0, 0.0, 1.8);
(608165.0, 4267057.1, 0.0, 0.0, 1.8); (608170.0, 4267057.1, 0.0, 0.0, 1.8);
(608175.0, 4267057.1, 0.0, 0.0, 1.8); (608180.0, 4267057.1, 0.0, 0.0, 1.8);
(608185.0, 4267057.1, 0.0, 0.0, 1.8); (608190.0, 4267057.1, 0.0, 0.0, 1.8);
(608195.0, 4267057.1, 0.0, 0.0, 1.8); (608200.0, 4267057.1, 0.0, 0.0, 1.8);
(608205.0, 4267057.1, 0.0, 0.0, 1.8); (608210.0, 4267057.1, 0.0, 0.0, 1.8);
(608215.0, 4267057.1, 0.0, 0.0, 1.8); (608220.0,

UMAll_AERMOD_output file

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4267057.1,       0.0,       0.0,       1.8);
     ( 608165.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608170.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608175.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608180.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608185.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608190.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608195.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608200.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608205.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608210.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608215.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608220.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608200.0, 4267067.1,       0.0,       0.0,       1.8);         ( 608205.0,
4267067.1,       0.0,       0.0,       1.8);
     ( 608210.0, 4267067.1,       0.0,       0.0,       1.8);         ( 608215.0,
4267067.1,       0.0,       0.0,       1.8);
     ( 608220.0, 4267067.1,       0.0,       0.0,       1.8);         ( 608136.2,
4267335.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267335.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267335.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267335.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267340.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267340.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267340.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267340.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608071.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608076.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608081.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608086.2,
```

UMAll_AERMOD_output file

```
4267350.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608116.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608126.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267355.6,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 608096.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608071.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608076.2,
```

UMAll_AERMOD_output file

```
4267360.6,       0.0,       0.0,       5.4);
     ( 608081.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608086.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608116.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608126.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608071.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608076.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608081.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608086.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608116.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608126.2,
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UMAll_AERMOD_output file

```
4267370.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267375.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267375.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267380.6,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                  PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 608071.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608076.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608081.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608086.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608116.2,
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UMAll_AERMOD_output file

```
4267380.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608126.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608071.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608076.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608081.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608086.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608116.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608126.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608071.2,
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UMAll_AERMOD_output file

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4267395.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267400.6,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                   PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 608136.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608151.2,
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UMAll_AERMOD_output file

```
4267400.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608061.2,
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     ( 608066.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608091.2,
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UMAll_AERMOD_output file

```
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     ( 608096.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267420.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267420.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267420.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267420.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267420.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267420.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267420.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267420.6,       0.0,       0.0,       5.4);
     ( 607905.0, 4267340.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267340.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267340.2,       0.0,       0.0,       5.4);         ( 607920.0,
4267340.2,       0.0,       0.0,       5.4);
     ( 607905.0, 4267345.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267345.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267345.2,       0.0,       0.0,       5.4);         ( 607920.0,
4267345.2,       0.0,       0.0,       5.4);
     ( 607930.0, 4267345.2,       0.0,       0.0,       5.4);         ( 607935.0,
4267345.2,       0.0,       0.0,       5.4);
     ( 607940.0, 4267345.2,       0.0,       0.0,       5.4);         ( 607945.0,
4267345.2,       0.0,       0.0,       5.4);
     ( 607900.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607905.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607910.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607915.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267350.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
```

UMAll_AERMOD_output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 607965.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267350.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267350.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607900.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607905.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607935.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607940.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607945.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607950.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607955.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607960.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607965.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607970.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607975.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607980.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607985.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607990.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607995.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 608000.0, 4267355.2,       0.0,       0.0,       5.4);         ( 608005.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 608010.0, 4267355.2,       0.0,       0.0,       5.4);         ( 608015.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607900.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607905.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607910.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607915.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607980.0,
```

UMAll_AERMOD_output file

```
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     ( 607985.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267360.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267360.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607895.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607900.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607905.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607910.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607935.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607940.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607945.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607950.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607955.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607960.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607965.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607970.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607975.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607980.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607985.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607990.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607995.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 608000.0, 4267365.2,       0.0,       0.0,       5.4);         ( 608005.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 608010.0, 4267365.2,       0.0,       0.0,       5.4);         ( 608015.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607900.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607905.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607910.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607915.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607920.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607925.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607930.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607935.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607940.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607945.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607950.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607955.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607960.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607965.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607970.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607975.0,
4267370.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_output file
*** 16:43:32

PAGE 32
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607980.0, 4267370.2, 0.0, 0.0, 5.4); (607985.0, 4267370.2, 0.0, 0.0, 5.4);
(607990.0, 4267370.2, 0.0, 0.0, 5.4); (607995.0, 4267370.2, 0.0, 0.0, 5.4);
(608000.0, 4267370.2, 0.0, 0.0, 5.4); (608005.0, 4267370.2, 0.0, 0.0, 5.4);
(608010.0, 4267370.2, 0.0, 0.0, 5.4); (608015.0, 4267370.2, 0.0, 0.0, 5.4);
(607895.0, 4267375.2, 0.0, 0.0, 5.4); (607900.0, 4267375.2, 0.0, 0.0, 5.4);
(607905.0, 4267375.2, 0.0, 0.0, 5.4); (607910.0, 4267375.2, 0.0, 0.0, 5.4);
(607915.0, 4267375.2, 0.0, 0.0, 5.4); (607920.0, 4267375.2, 0.0, 0.0, 5.4);
(607925.0, 4267375.2, 0.0, 0.0, 5.4); (607930.0, 4267375.2, 0.0, 0.0, 5.4);
(607935.0, 4267375.2, 0.0, 0.0, 5.4); (607940.0, 4267375.2, 0.0, 0.0, 5.4);
(607945.0, 4267375.2, 0.0, 0.0, 5.4); (607950.0, 4267375.2, 0.0, 0.0, 5.4);
(607955.0, 4267375.2, 0.0, 0.0, 5.4); (607960.0, 4267375.2, 0.0, 0.0, 5.4);
(607965.0, 4267375.2, 0.0, 0.0, 5.4); (607970.0, 4267375.2, 0.0, 0.0, 5.4);
(607975.0, 4267375.2, 0.0, 0.0, 5.4); (607980.0, 4267375.2, 0.0, 0.0, 5.4);
(607985.0, 4267375.2, 0.0, 0.0, 5.4); (607990.0, 4267375.2, 0.0, 0.0, 5.4);
(607995.0, 4267375.2, 0.0, 0.0, 5.4); (608000.0, 4267375.2, 0.0, 0.0, 5.4);
(608005.0, 4267375.2, 0.0, 0.0, 5.4); (608010.0, 4267375.2, 0.0, 0.0, 5.4);
(608015.0, 4267375.2, 0.0, 0.0, 5.4); (607890.0, 4267380.2, 0.0, 0.0, 5.4);
(607895.0, 4267380.2, 0.0, 0.0, 5.4); (607900.0, 4267380.2, 0.0, 0.0, 5.4);
(607905.0, 4267380.2, 0.0, 0.0, 5.4); (607910.0, 4267380.2, 0.0, 0.0, 5.4);
(607915.0, 4267380.2, 0.0, 0.0, 5.4); (607920.0,

UMAll_AERMOD_output file

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     ( 607925.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607930.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267380.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267380.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607890.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607895.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607900.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607905.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607920.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607925.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607930.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267385.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267385.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607890.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607895.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607900.0,
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UMAll_AERMOD_output file

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     ( 607905.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267390.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 607915.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607920.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607925.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607930.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267390.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267390.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607890.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607895.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607900.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607905.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607920.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607925.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607930.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607950.0,
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UMAll_AERMOD_output file

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4267395.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267395.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267395.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607917.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607937.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607982.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607982.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607987.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607917.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607937.7,
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UMAll_AERMOD_output file

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4267068.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267068.1,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607982.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607982.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607987.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607917.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607937.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607967.7,
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UMAll_AERMOD_output file

```
4267078.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607982.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607982.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607987.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607917.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607937.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607982.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607982.7,
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UMAll_AERMOD_output file

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4267093.1,       0.0,       0.0,       5.4);
     ( 607987.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607917.7,
4267098.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267098.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267098.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267098.1,       0.0,       0.0,       5.4);         ( 607937.7,
4267098.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267098.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267098.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267098.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267098.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267098.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267098.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267098.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267098.1,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 607982.7, 4267098.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267098.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267103.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267103.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267103.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267103.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267103.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267103.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267103.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267103.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267103.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267103.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267103.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267103.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267103.1,       0.0,       0.0,       5.4);         ( 607982.7,
4267103.1,       0.0,       0.0,       5.4);
     ( 607987.7, 4267103.1,       0.0,       0.0,       5.4);         ( 607917.7,
4267108.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267108.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607937.7,
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UMAll_AERMOD_output file

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4267108.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267108.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267108.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267108.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607869.8,
4267306.3,       0.0,       0.0,       5.4);
     ( 607874.8, 4267306.3,       0.0,       0.0,       5.4);         ( 607879.8,
4267306.3,       0.0,       0.0,       5.4);
     ( 607824.8, 4267311.3,       0.0,       0.0,       5.4);         ( 607829.8,
4267311.3,       0.0,       0.0,       5.4);
     ( 607864.8, 4267311.3,       0.0,       0.0,       5.4);         ( 607869.8,
4267311.3,       0.0,       0.0,       5.4);
     ( 607874.8, 4267311.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267316.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267316.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267316.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267316.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267316.3,       0.0,       0.0,       5.4);
     ( 607864.8, 4267316.3,       0.0,       0.0,       5.4);         ( 607869.8,
4267316.3,       0.0,       0.0,       5.4);
     ( 607874.8, 4267316.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607864.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607869.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607874.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607819.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607864.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607869.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607874.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607819.8, 4267331.3,       0.0,       0.0,       5.4);         ( 607824.8,
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UMAll_AERMOD_output file

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4267331.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267331.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267331.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267331.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267331.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267331.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267331.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267331.3,       0.0,       0.0,       5.4);         ( 607864.8,
4267331.3,       0.0,       0.0,       5.4);
     ( 607869.8, 4267331.3,       0.0,       0.0,       5.4);         ( 607819.8,
4267336.3,       0.0,       0.0,       5.4);
     ( 607824.8, 4267336.3,       0.0,       0.0,       5.4);         ( 607829.8,
4267336.3,       0.0,       0.0,       5.4);
     ( 607834.8, 4267336.3,       0.0,       0.0,       5.4);         ( 607839.8,
4267336.3,       0.0,       0.0,       5.4);
     ( 607844.8, 4267336.3,       0.0,       0.0,       5.4);         ( 607849.8,
4267336.3,       0.0,       0.0,       5.4);
     ( 607854.8, 4267336.3,       0.0,       0.0,       5.4);         ( 607859.8,
4267336.3,       0.0,       0.0,       5.4);
     ( 607864.8, 4267336.3,       0.0,       0.0,       5.4);         ( 607869.8,
4267336.3,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                  PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 607814.8, 4267341.3,       0.0,       0.0,       5.4);         ( 607819.8,
4267341.3,       0.0,       0.0,       5.4);
     ( 607824.8, 4267341.3,       0.0,       0.0,       5.4);         ( 607829.8,
4267341.3,       0.0,       0.0,       5.4);
     ( 607834.8, 4267341.3,       0.0,       0.0,       5.4);         ( 607839.8,
4267341.3,       0.0,       0.0,       5.4);
     ( 607844.8, 4267341.3,       0.0,       0.0,       5.4);         ( 607849.8,
4267341.3,       0.0,       0.0,       5.4);
     ( 607854.8, 4267341.3,       0.0,       0.0,       5.4);         ( 607859.8,
4267341.3,       0.0,       0.0,       5.4);
     ( 607864.8, 4267341.3,       0.0,       0.0,       5.4);         ( 607814.8,
4267346.3,       0.0,       0.0,       5.4);
     ( 607819.8, 4267346.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267346.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267346.3,       0.0,       0.0,       5.4);         ( 607834.8,
```

UMAll_AERMOD_output file

```
4267346.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267346.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267346.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267346.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267346.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267346.3,       0.0,       0.0,       5.4);         ( 607864.8,
4267346.3,       0.0,       0.0,       5.4);
     ( 607814.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607819.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607824.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607829.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607834.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607839.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607844.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607849.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607854.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607859.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607819.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267356.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267356.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267356.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267356.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607829.8,
4267361.3,       0.0,       0.0,       5.4);
     ( 607834.8, 4267361.3,       0.0,       0.0,       5.4);         ( 607839.8,
4267361.3,       0.0,       0.0,       5.4);
     ( 607844.8, 4267361.3,       0.0,       0.0,       5.4);         ( 607849.8,
4267361.3,       0.0,       0.0,       5.4);
     ( 607854.8, 4267361.3,       0.0,       0.0,       5.4);         ( 607859.8,
4267361.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267366.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267366.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267366.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267366.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267371.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267371.3,       0.0,       0.0,       5.4);
     ( 607829.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607834.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607874.5,
```

UMAll_AERMOD_output file

```
4267189.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607829.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607834.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607829.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607834.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267199.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                           ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 607839.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267204.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267204.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267204.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267204.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607884.5,
```

UMAll_AERMOD_output file

```
4267204.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267209.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267209.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267209.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267209.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267209.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267209.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267209.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267209.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267209.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267209.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267214.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267214.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267214.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267214.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267214.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267214.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267214.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267214.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267214.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267214.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267219.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267219.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267219.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267219.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267219.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267219.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267219.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267219.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267219.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267219.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267224.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267224.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267224.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267224.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267224.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267224.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267224.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267224.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267224.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267224.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267229.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267229.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267229.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267229.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267229.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267229.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267229.2,       0.0,       0.0,       5.4);         ( 607874.5,
```

UMAll_AERMOD_output file

```
4267229.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267229.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267229.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267244.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267244.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267244.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267244.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267244.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 607839.5, 4267249.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267249.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267249.2,       0.0,       0.0,       5.4);         ( 607854.5,
```

4267249.2,   0.0,   0.0,   5.4);
     (607859.5, 4267249.2,   0.0,   0.0,   5.4);   (607864.5,
4267249.2,   0.0,   0.0,   5.4);
     (607869.5, 4267249.2,   0.0,   0.0,   5.4);   (607874.5,
4267249.2,   0.0,   0.0,   5.4);
     (607879.5, 4267249.2,   0.0,   0.0,   5.4);   (607884.5,
4267249.2,   0.0,   0.0,   5.4);
     (607839.5, 4267254.2,   0.0,   0.0,   5.4);   (607844.5,
4267254.2,   0.0,   0.0,   5.4);
     (607849.5, 4267254.2,   0.0,   0.0,   5.4);   (607854.5,
4267254.2,   0.0,   0.0,   5.4);
     (607859.5, 4267254.2,   0.0,   0.0,   5.4);   (607864.5,
4267254.2,   0.0,   0.0,   5.4);
     (607869.5, 4267254.2,   0.0,   0.0,   5.4);   (607874.5,
4267254.2,   0.0,   0.0,   5.4);
     (607879.5, 4267254.2,   0.0,   0.0,   5.4);   (607884.5,
4267254.2,   0.0,   0.0,   5.4);
     (607839.5, 4267259.2,   0.0,   0.0,   5.4);   (607844.5,
4267259.2,   0.0,   0.0,   5.4);
     (607849.5, 4267259.2,   0.0,   0.0,   5.4);   (607854.5,
4267259.2,   0.0,   0.0,   5.4);
     (607859.5, 4267259.2,   0.0,   0.0,   5.4);   (607864.5,
4267259.2,   0.0,   0.0,   5.4);
     (607869.5, 4267259.2,   0.0,   0.0,   5.4);   (607874.5,
4267259.2,   0.0,   0.0,   5.4);
     (607879.5, 4267259.2,   0.0,   0.0,   5.4);   (607884.5,
4267259.2,   0.0,   0.0,   5.4);
     (607839.5, 4267264.2,   0.0,   0.0,   5.4);   (607844.5,
4267264.2,   0.0,   0.0,   5.4);
     (607849.5, 4267264.2,   0.0,   0.0,   5.4);   (607854.5,
4267264.2,   0.0,   0.0,   5.4);
     (607859.5, 4267264.2,   0.0,   0.0,   5.4);   (607864.5,
4267264.2,   0.0,   0.0,   5.4);
     (607869.5, 4267264.2,   0.0,   0.0,   5.4);   (607874.5,
4267264.2,   0.0,   0.0,   5.4);
     (607879.5, 4267264.2,   0.0,   0.0,   5.4);   (607884.5,
4267264.2,   0.0,   0.0,   5.4);
     (607839.5, 4267269.2,   0.0,   0.0,   5.4);   (607844.5,
4267269.2,   0.0,   0.0,   5.4);
     (607849.5, 4267269.2,   0.0,   0.0,   5.4);   (607854.5,
4267269.2,   0.0,   0.0,   5.4);
     (607859.5, 4267269.2,   0.0,   0.0,   5.4);   (607864.5,
4267269.2,   0.0,   0.0,   5.4);
     (607869.5, 4267269.2,   0.0,   0.0,   5.4);   (607874.5,
4267269.2,   0.0,   0.0,   5.4);
     (607879.5, 4267269.2,   0.0,   0.0,   5.4);   (607884.5,
4267269.2,   0.0,   0.0,   5.4);
     (607839.5, 4267274.2,   0.0,   0.0,   5.4);   (607844.5,

UMAll_AERMOD_output file

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4267274.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267274.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267274.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267274.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267274.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 608194.6, 4267085.2,       0.0,       0.0,       5.4);         ( 608199.6,
4267085.2,       0.0,       0.0,       5.4);
     ( 608204.6, 4267085.2,       0.0,       0.0,       5.4);         ( 608309.6,
4267085.2,       0.0,       0.0,       5.4);
     ( 608314.6, 4267085.2,       0.0,       0.0,       5.4);         ( 608184.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608189.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608194.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608199.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608204.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608304.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608309.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608314.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608319.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608324.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608184.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608189.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608194.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608199.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608204.6,
4267095.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
```

UMAll_AERMOD_output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 608209.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608304.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608309.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608314.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608319.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608324.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608184.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608189.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608194.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608199.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608204.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608209.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608214.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608219.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608224.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608304.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608309.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608314.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608319.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608189.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608194.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608199.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608204.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608209.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608214.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608219.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608224.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608229.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608234.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608239.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608244.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608299.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608304.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608309.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608314.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608319.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608189.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608194.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608199.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608204.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608209.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608214.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608219.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608224.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608229.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608234.6,
```

UMAll_AERMOD_output file

```
4267110.2,       0.0,       0.0,       5.4);
     ( 608239.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608244.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608249.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608254.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608259.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608264.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608269.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608274.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608279.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608284.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608289.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608294.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608299.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608304.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608309.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608314.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608319.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608194.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608199.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608204.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608209.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608214.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608219.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608224.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608229.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608234.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608239.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608244.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608249.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608254.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608259.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608264.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608269.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608274.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608279.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608284.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608289.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608294.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608299.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608304.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608309.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608314.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608204.6, 4267120.2,       0.0,       0.0,       5.4);         ( 608209.6,
4267120.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_output file
*** 16:43:32

PAGE 40
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608214.6, 4267120.2, 0.0, 0.0, 5.4); (608219.6, 4267120.2, 0.0, 0.0, 5.4);
(608224.6, 4267120.2, 0.0, 0.0, 5.4); (608229.6, 4267120.2, 0.0, 0.0, 5.4);
(608234.6, 4267120.2, 0.0, 0.0, 5.4); (608239.6, 4267120.2, 0.0, 0.0, 5.4);
(608244.6, 4267120.2, 0.0, 0.0, 5.4); (608249.6, 4267120.2, 0.0, 0.0, 5.4);
(608254.6, 4267120.2, 0.0, 0.0, 5.4); (608259.6, 4267120.2, 0.0, 0.0, 5.4);
(608264.6, 4267120.2, 0.0, 0.0, 5.4); (608269.6, 4267120.2, 0.0, 0.0, 5.4);
(608274.6, 4267120.2, 0.0, 0.0, 5.4); (608279.6, 4267120.2, 0.0, 0.0, 5.4);
(608284.6, 4267120.2, 0.0, 0.0, 5.4); (608289.6, 4267120.2, 0.0, 0.0, 5.4);
(608294.6, 4267120.2, 0.0, 0.0, 5.4); (608299.6, 4267120.2, 0.0, 0.0, 5.4);
(608304.6, 4267120.2, 0.0, 0.0, 5.4); (608309.6, 4267120.2, 0.0, 0.0, 5.4);
(608314.6, 4267120.2, 0.0, 0.0, 5.4); (608229.6, 4267125.2, 0.0, 0.0, 5.4);
(608234.6, 4267125.2, 0.0, 0.0, 5.4); (608239.6, 4267125.2, 0.0, 0.0, 5.4);
(608244.6, 4267125.2, 0.0, 0.0, 5.4); (608249.6, 4267125.2, 0.0, 0.0, 5.4);
(608254.6, 4267125.2, 0.0, 0.0, 5.4); (608259.6, 4267125.2, 0.0, 0.0, 5.4);
(608264.6, 4267125.2, 0.0, 0.0, 5.4); (608269.6, 4267125.2, 0.0, 0.0, 5.4);
(608274.6, 4267125.2, 0.0, 0.0, 5.4); (608279.6, 4267125.2, 0.0, 0.0, 5.4);
(608284.6, 4267125.2, 0.0, 0.0, 5.4); (608289.6, 4267125.2, 0.0, 0.0, 5.4);
(608294.6, 4267125.2, 0.0, 0.0, 5.4); (608299.6, 4267125.2, 0.0, 0.0, 5.4);
(608304.6, 4267125.2, 0.0, 0.0, 5.4); (608309.6, 4267125.2, 0.0, 0.0, 5.4);
(607831.3, 4267190.0, 0.0, 0.0, 9.0); (607836.3,

UMAll_AERMOD_output file

```
4267190.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267190.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267190.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267190.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267190.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607831.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607836.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607831.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607836.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267205.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267205.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267205.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267205.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267210.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267210.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267210.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607876.3,
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UMAll_AERMOD_output file

```
4267210.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267215.0,       0.0,       0.0,       9.0);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 607846.3, 4267215.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267215.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267215.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267215.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267215.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267215.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267215.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267215.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267220.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267220.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267220.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267220.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267220.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267220.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267220.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267220.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267220.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267225.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267225.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267225.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267225.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267225.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267225.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267225.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267225.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267225.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267230.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267230.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267230.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267230.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267230.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267230.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267230.0,       0.0,       0.0,       9.0);         ( 607876.3,
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UMAll_AERMOD_output file

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4267230.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267230.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267235.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267235.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267235.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267235.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267240.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267240.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267240.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267240.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267245.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267245.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267245.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267245.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267250.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267250.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267250.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267250.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267255.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267255.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267255.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267255.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607846.3,
```

UMAll_AERMOD_output file

```
4267260.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267260.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267260.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267260.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267265.0,       0.0,       0.0,       9.0);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 607846.3, 4267265.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267265.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267265.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267265.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267265.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267265.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267265.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267265.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267270.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267270.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267270.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267270.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267275.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267275.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267275.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267275.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267280.0,       0.0,       0.0,       9.0);         ( 607846.3,
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UMAll_AERMOD_output file

```
4267280.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267280.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267280.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267280.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267280.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267087.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267087.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267087.0,       0.0,       0.0,       9.0);         ( 608308.7,
4267087.0,       0.0,       0.0,       9.0);
     ( 608313.7, 4267087.0,       0.0,       0.0,       9.0);         ( 608318.7,
4267087.0,       0.0,       0.0,       9.0);
     ( 608183.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608188.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608208.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608303.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608308.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608313.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608318.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608323.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608328.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608183.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608188.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608208.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608213.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608308.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608313.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608318.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608323.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608183.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608188.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608208.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608213.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608218.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608223.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608308.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608313.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608318.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608323.7,
```

UMAll_AERMOD_output file

4267102.0, 0.0, 0.0, 9.0);
(608183.7, 4267107.0, 0.0, 0.0, 9.0); (608188.7, 4267107.0, 0.0, 0.0, 9.0);
(608193.7, 4267107.0, 0.0, 0.0, 9.0); (608198.7, 4267107.0, 0.0, 0.0, 9.0);
(608203.7, 4267107.0, 0.0, 0.0, 9.0); (608208.7, 4267107.0, 0.0, 0.0, 9.0);
(608213.7, 4267107.0, 0.0, 0.0, 9.0); (608218.7, 4267107.0, 0.0, 0.0, 9.0);
(608223.7, 4267107.0, 0.0, 0.0, 9.0); (608228.7, 4267107.0, 0.0, 0.0, 9.0);
(608233.7, 4267107.0, 0.0, 0.0, 9.0); (608238.7, 4267107.0, 0.0, 0.0, 9.0);
(608243.7, 4267107.0, 0.0, 0.0, 9.0); (608248.7, 4267107.0, 0.0, 0.0, 9.0);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 43
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608253.7, 4267107.0, 0.0, 0.0, 9.0); (608298.7, 4267107.0, 0.0, 0.0, 9.0);
(608303.7, 4267107.0, 0.0, 0.0, 9.0); (608308.7, 4267107.0, 0.0, 0.0, 9.0);
(608313.7, 4267107.0, 0.0, 0.0, 9.0); (608318.7, 4267107.0, 0.0, 0.0, 9.0);
(608188.7, 4267112.0, 0.0, 0.0, 9.0); (608193.7, 4267112.0, 0.0, 0.0, 9.0);
(608198.7, 4267112.0, 0.0, 0.0, 9.0); (608203.7, 4267112.0, 0.0, 0.0, 9.0);
(608208.7, 4267112.0, 0.0, 0.0, 9.0); (608213.7, 4267112.0, 0.0, 0.0, 9.0);
(608218.7, 4267112.0, 0.0, 0.0, 9.0); (608223.7, 4267112.0, 0.0, 0.0, 9.0);
(608228.7, 4267112.0, 0.0, 0.0, 9.0); (608233.7, 4267112.0, 0.0, 0.0, 9.0);
(608238.7, 4267112.0, 0.0, 0.0, 9.0); (608243.7, 4267112.0, 0.0, 0.0, 9.0);
(608248.7, 4267112.0, 0.0, 0.0, 9.0); (608253.7, 4267112.0, 0.0, 0.0, 9.0);
(608258.7, 4267112.0, 0.0, 0.0, 9.0); (608263.7,

UMAll_AERMOD_output file

```
4267112.0,       0.0,       0.0,       9.0);
     ( 608268.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608273.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608278.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608283.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608288.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608293.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608298.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608308.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608313.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608318.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608193.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608198.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608203.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608208.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608213.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608218.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608223.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608228.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608233.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608238.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608243.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608248.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608253.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608258.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608263.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608268.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608273.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608278.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608283.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608288.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608293.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608298.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608308.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608313.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608213.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608218.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608223.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608228.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608233.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608238.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608243.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608248.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608253.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608258.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608263.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608268.7,
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UMAll_AERMOD_output file

```
4267122.0,       0.0,       0.0,       9.0);
     ( 608273.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608278.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608283.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608288.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608293.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608298.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608303.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608308.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608313.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608233.7,
4267127.0,       0.0,       0.0,       9.0);
     ( 608238.7, 4267127.0,       0.0,       0.0,       9.0);         ( 608243.7,
4267127.0,       0.0,       0.0,       9.0);
     ( 608248.7, 4267127.0,       0.0,       0.0,       9.0);         ( 608253.7,
4267127.0,       0.0,       0.0,       9.0);
     ( 608258.7, 4267127.0,       0.0,       0.0,       9.0);         ( 608263.7,
4267127.0,       0.0,       0.0,       9.0);
     ( 608268.7, 4267127.0,       0.0,       0.0,       9.0);         ( 608273.7,
4267127.0,       0.0,       0.0,       9.0);
     ( 608278.7, 4267127.0,       0.0,       0.0,       9.0);         ( 608283.7,
4267127.0,       0.0,       0.0,       9.0);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 608288.7, 4267127.0,       0.0,       0.0,       9.0);         ( 608293.7,
4267127.0,       0.0,       0.0,       9.0);
     ( 608298.7, 4267127.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267127.0,       0.0,       0.0,       9.0);
     ( 608165.7, 4267052.2,       0.0,       0.0,       9.0);         ( 608170.7,
4267052.2,       0.0,       0.0,       9.0);
     ( 608175.7, 4267052.2,       0.0,       0.0,       9.0);         ( 608180.7,
4267052.2,       0.0,       0.0,       9.0);
     ( 608185.7, 4267052.2,       0.0,       0.0,       9.0);         ( 608190.7,
4267052.2,       0.0,       0.0,       9.0);
     ( 608195.7, 4267052.2,       0.0,       0.0,       9.0);         ( 608200.7,
4267052.2,       0.0,       0.0,       9.0);
     ( 608205.7, 4267052.2,       0.0,       0.0,       9.0);         ( 608210.7,
4267052.2,       0.0,       0.0,       9.0);
     ( 608215.7, 4267052.2,       0.0,       0.0,       9.0);         ( 608220.7,
```

UMAll_AERMOD_output file

```
4267052.2,       0.0,       0.0,       9.0);
     ( 608165.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608170.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608175.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608180.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608185.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608190.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608195.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608200.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608205.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608210.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608215.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608220.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608165.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608170.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608175.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608180.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608185.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608190.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608195.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608200.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608205.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608210.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608215.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608220.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608166.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608171.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608176.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608181.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608186.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608191.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608196.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608201.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608206.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608211.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608216.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608166.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608171.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608176.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608181.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608186.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608191.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608196.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608201.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608206.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608211.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608216.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608166.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608171.5,
```

UMAll_AERMOD_output file

```
4267057.6,       0.0,       0.0,      10.8);
     ( 608176.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608181.5,
4267057.6,       0.0,       0.0,      10.8);
     ( 608186.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608191.5,
4267057.6,       0.0,       0.0,      10.8);
     ( 608196.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608201.5,
4267057.6,       0.0,       0.0,      10.8);
     ( 608206.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608211.5,
4267057.6,       0.0,       0.0,      10.8);
     ( 608216.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608166.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608171.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608176.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608181.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608186.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608191.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608196.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608201.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608206.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608211.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608216.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608162.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608167.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608172.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608177.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608182.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608187.8,
4267051.3,       0.0,       0.0,      12.6);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                  PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 608192.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608197.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608202.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608207.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608212.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608217.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608162.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608167.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608172.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608177.8,
```

UMAll_AERMOD_output file

```
4267056.3,       0.0,       0.0,      12.6);
     ( 608182.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608187.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608192.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608197.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608202.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608207.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608212.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608217.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608162.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608167.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608172.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608177.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608182.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608187.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608192.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608197.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608202.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608207.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608212.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608217.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608255.8, 4267195.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267195.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267195.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267195.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267195.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267195.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267215.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267215.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267215.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267215.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267215.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267215.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267235.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267235.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267235.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267235.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267235.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267235.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267255.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267255.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267255.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267255.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267255.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267255.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267275.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267275.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267275.0,       0.0,       0.0,       1.8);         ( 608335.8,
```

UMAll_AERMOD_output file

```
4267275.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267275.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267295.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267295.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267295.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267295.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267295.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267315.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267315.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267315.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267315.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267315.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267335.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267335.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267335.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267335.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267335.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267355.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267355.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267355.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267355.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267355.0,       0.0,       0.0,       1.8);         ( 608175.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608195.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608255.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608175.8,
4267395.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                   PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 608195.8, 4267395.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267395.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267395.0,       0.0,       0.0,       1.8);         ( 608255.8,
```

UMAll_AERMOD_output file

```
4267395.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267395.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267395.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267395.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267395.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267395.0,       0.0,       0.0,       1.8);         ( 607875.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 607895.8, 4267415.0,       0.0,       0.0,       1.8);         ( 607915.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 607935.8, 4267415.0,       0.0,       0.0,       1.8);         ( 607955.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 607975.8, 4267415.0,       0.0,       0.0,       1.8);         ( 607995.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608015.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608035.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608175.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608195.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608215.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608235.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 607855.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607875.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 607895.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607915.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 607935.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607955.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 607975.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607995.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608015.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608035.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608055.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608095.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608115.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608135.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608155.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608175.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608195.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608255.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608335.8,
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UMAll_AERMOD_output file

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4267435.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607855.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 607875.8, 4267455.0,       0.0,       0.0,       1.8);         ( 607895.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 607915.8, 4267455.0,       0.0,       0.0,       1.8);         ( 607935.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 607955.8, 4267455.0,       0.0,       0.0,       1.8);         ( 607975.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 607995.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608015.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608035.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608055.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608075.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608095.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608115.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608135.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608155.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608175.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608195.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608255.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267455.0,       0.0,       0.0,       1.8);         ( 607835.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607855.8, 4267475.0,       0.0,       0.0,       1.8);         ( 607875.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607895.8, 4267475.0,       0.0,       0.0,       1.8);         ( 607915.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607935.8, 4267475.0,       0.0,       0.0,       1.8);         ( 607955.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607975.8, 4267475.0,       0.0,       0.0,       1.8);         ( 607995.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608015.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608035.8,
4267475.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
```

UMAll_AERMOD_output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 608055.8, 4267475.0,       0.0,       0.0,       1.8);        ( 608075.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608095.8, 4267475.0,       0.0,       0.0,       1.8);        ( 608115.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608135.8, 4267475.0,       0.0,       0.0,       1.8);        ( 608155.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608175.8, 4267475.0,       0.0,       0.0,       1.8);        ( 608195.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608215.8, 4267475.0,       0.0,       0.0,       1.8);        ( 608235.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267475.0,       0.0,       0.0,       1.8);        ( 608275.8,
4267475.0,       0.0,       0.0,       1.8);
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4267475.0,       0.0,       0.0,       1.8);
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4267495.0,       0.0,       0.0,       1.8);
     ( 608135.8, 4267495.0,       0.0,       0.0,       1.8);        ( 608155.8,
4267495.0,       0.0,       0.0,       1.8);
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4267495.0,       0.0,       0.0,       1.8);
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4267495.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267495.0,       0.0,       0.0,       1.8);        ( 608275.8,
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UMAll_AERMOD_output file

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     ( 608175.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608195.8,
4267515.0,       0.0,       0.0,       1.8);
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     ( 608255.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608275.8,
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     ( 608335.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608355.8,
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     ( 607915.8, 4267535.0,       0.0,       0.0,       1.8);         ( 607935.8,
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4267535.0,       0.0,       0.0,       1.8);
     ( 608155.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608195.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 608215.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608235.8,
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     ( 608255.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267535.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                           ***         06/18/19
 *** AERMET - VERSION  14134 ***   ***
```

UMAll_AERMOD_output file
*** 16:43:32

PAGE 48
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608295.8, 4267535.0, 0.0, 0.0, 1.8); (608315.8, 4267535.0, 0.0, 0.0, 1.8);
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(608055.8, 4267555.0, 0.0, 0.0, 1.8); (608075.8, 4267555.0, 0.0, 0.0, 1.8);
(608095.8, 4267555.0, 0.0, 0.0, 1.8); (608115.8, 4267555.0, 0.0, 0.0, 1.8);
(608135.8, 4267555.0, 0.0, 0.0, 1.8); (608155.8, 4267555.0, 0.0, 0.0, 1.8);
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(608235.8, 4267555.0, 0.0, 0.0, 1.8); (608255.8, 4267555.0, 0.0, 0.0, 1.8);
(608275.8, 4267555.0, 0.0, 0.0, 1.8); (608295.8, 4267555.0, 0.0, 0.0, 1.8);
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(608255.8, 4267575.0, 0.0, 0.0, 1.8); (608275.8, 4267575.0, 0.0, 0.0, 1.8);
(608295.8, 4267575.0, 0.0, 0.0, 1.8); (608315.8, 4267575.0, 0.0, 0.0, 1.8);
(608335.8, 4267575.0, 0.0, 0.0, 1.8); (608355.8, 4267575.0, 0.0, 0.0, 1.8);
(608195.8, 4267595.0, 0.0, 0.0, 1.8); (608215.8, 4267595.0, 0.0, 0.0, 1.8);
(608235.8, 4267595.0, 0.0, 0.0, 1.8); (608255.8, 4267595.0, 0.0, 0.0, 1.8);
(608275.8, 4267595.0, 0.0, 0.0, 1.8); (608295.8, 4267595.0, 0.0, 0.0, 1.8);
(608315.8, 4267595.0, 0.0, 0.0, 1.8); (608335.8, 4267595.0, 0.0, 0.0, 1.8);
(608355.8, 4267595.0, 0.0, 0.0, 1.8); (608195.8, 4267615.0, 0.0, 0.0, 1.8);
(608215.8, 4267615.0, 0.0, 0.0, 1.8); (608235.8,

UMAll_AERMOD_output file

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     ( 608335.8, 4267615.0,       0.0,       0.0,       1.8);         ( 608355.8,
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     ( 608235.8, 4267635.0,       0.0,       0.0,       1.8);         ( 608255.8,
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     ( 607706.9, 4267220.9,       0.0,       0.0,       1.8);         ( 607726.9,
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     ( 607746.9, 4267220.9,       0.0,       0.0,       1.8);         ( 607766.9,
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     ( 607786.9, 4267220.9,       0.0,       0.0,       1.8);         ( 607806.9,
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4267240.9,       0.0,       0.0,       1.8);
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     ( 607706.9, 4267260.9,       0.0,       0.0,       1.8);         ( 607726.9,
4267260.9,       0.0,       0.0,       1.8);
     ( 607746.9, 4267260.9,       0.0,       0.0,       1.8);         ( 607766.9,
4267260.9,       0.0,       0.0,       1.8);
     ( 607786.9, 4267260.9,       0.0,       0.0,       1.8);         ( 607806.9,
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UMAll_AERMOD_output file

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4267300.9,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 607706.9, 4267300.9,       0.0,       0.0,       1.8);         ( 607726.9,
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4267300.9,       0.0,       0.0,       1.8);
     ( 607786.9, 4267300.9,       0.0,       0.0,       1.8);         ( 607706.9,
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     ( 607766.9, 4267320.9,       0.0,       0.0,       1.8);         ( 607786.9,
4267320.9,       0.0,       0.0,       1.8);
     ( 607746.9, 4267340.9,       0.0,       0.0,       1.8);         ( 607766.9,
4267340.9,       0.0,       0.0,       1.8);
     ( 607666.9, 4267380.9,       0.0,       0.0,       1.8);         ( 607686.9,
4267380.9,       0.0,       0.0,       1.8);
     ( 607706.9, 4267380.9,       0.0,       0.0,       1.8);         ( 607726.9,
4267380.9,       0.0,       0.0,       1.8);
     ( 607746.9, 4267380.9,       0.0,       0.0,       1.8);         ( 607766.9,
4267380.9,       0.0,       0.0,       1.8);
     ( 607786.9, 4267380.9,       0.0,       0.0,       1.8);         ( 607666.9,
4267400.9,       0.0,       0.0,       1.8);
     ( 607686.9, 4267400.9,       0.0,       0.0,       1.8);         ( 607706.9,
4267400.9,       0.0,       0.0,       1.8);
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     ( 607806.9, 4267400.9,       0.0,       0.0,       1.8);         ( 607826.9,
4267400.9,       0.0,       0.0,       1.8);
     ( 607666.9, 4267420.9,       0.0,       0.0,       1.8);         ( 607686.9,
4267420.9,       0.0,       0.0,       1.8);
     ( 607706.9, 4267420.9,       0.0,       0.0,       1.8);         ( 607726.9,
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UMAll_AERMOD_output file

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4267440.9,       0.0,       0.0,       1.8);
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4266901.7,       0.0,       0.0,       1.8);
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4266961.7,       0.0,       0.0,       1.8);
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4266961.7,       0.0,       0.0,       1.8);
     ( 607965.3, 4266961.7,       0.0,       0.0,       1.8);         ( 607985.3,
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UMAll_AERMOD_output file

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4266981.7,       0.0,       0.0,       1.8);
     ( 607945.3, 4266981.7,       0.0,       0.0,       1.8);         ( 607965.3,
4266981.7,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607725.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267001.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267001.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267001.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267001.7,       0.0,       0.0,       1.8);
     ( 607945.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607965.3,
4267001.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267021.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267021.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267021.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267021.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267021.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267021.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267021.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267021.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267041.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267041.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267041.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267041.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267041.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267041.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267041.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267041.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267061.7,       0.0,       0.0,       1.8);         ( 607745.3,
```

UMAll_AERMOD_output file

```
4267061.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267061.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267061.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267061.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267061.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267061.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267061.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267081.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267081.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267081.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267081.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267081.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267081.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267081.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267081.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267101.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267101.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267101.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267101.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267101.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267101.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267101.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267101.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267121.7,       0.0,       0.0,       1.8);         ( 608160.2,
4266951.3,       0.0,       0.0,       1.8);
     ( 608180.2, 4266951.3,       0.0,       0.0,       1.8);         ( 608200.2,
4266951.3,       0.0,       0.0,       1.8);
     ( 608260.2, 4266951.3,       0.0,       0.0,       1.8);         ( 608280.2,
4266951.3,       0.0,       0.0,       1.8);
     ( 608300.2, 4266951.3,       0.0,       0.0,       1.8);         ( 608320.2,
4266951.3,       0.0,       0.0,       1.8);
     ( 608160.2, 4266971.3,       0.0,       0.0,       1.8);         ( 608180.2,
4266971.3,       0.0,       0.0,       1.8);
     ( 608200.2, 4266971.3,       0.0,       0.0,       1.8);         ( 608365.8,
4266905.8,       0.0,       0.0,       1.8);
     ( 608395.8, 4266905.8,       0.0,       0.0,       1.8);         ( 608425.8,
4266905.8,       0.0,       0.0,       1.8);
     ( 608455.8, 4266905.8,       0.0,       0.0,       1.8);         ( 608485.8,
4266905.8,       0.0,       0.0,       1.8);
     ( 608365.8, 4266935.8,       0.0,       0.0,       1.8);         ( 608395.8,
4266935.8,       0.0,       0.0,       1.8);
     ( 608425.8, 4266935.8,       0.0,       0.0,       1.8);         ( 608455.8,
4266935.8,       0.0,       0.0,       1.8);
     ( 608485.8, 4266935.8,       0.0,       0.0,       1.8);         ( 608365.8,
4266965.8,       0.0,       0.0,       1.8);
     ( 608395.8, 4266965.8,       0.0,       0.0,       1.8);         ( 608425.8,
4266965.8,       0.0,       0.0,       1.8);
     ( 608455.8, 4266965.8,       0.0,       0.0,       1.8);         ( 608485.8,
```

UMAll_AERMOD_output file

4266965.8, 0.0, 0.0, 1.8); (608365.8, 4266995.8, 0.0, 0.0, 1.8); (608395.8, 4266995.8, 0.0, 0.0, 1.8);
(608425.8, 4266995.8, 0.0, 0.0, 1.8); (608455.8, 4266995.8, 0.0, 0.0, 1.8);
(608485.8, 4266995.8, 0.0, 0.0, 1.8); (608365.8, 4267025.8, 0.0, 0.0, 1.8);
(608395.8, 4267025.8, 0.0, 0.0, 1.8); (608425.8, 4267025.8, 0.0, 0.0, 1.8);
(608455.8, 4267025.8, 0.0, 0.0, 1.8); (608485.8, 4267025.8, 0.0, 0.0, 1.8);
(608365.8, 4267055.8, 0.0, 0.0, 1.8); (608395.8, 4267055.8, 0.0, 0.0, 1.8);
(608425.8, 4267055.8, 0.0, 0.0, 1.8); (608455.8, 4267055.8, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608485.8, 4267055.8, 0.0, 0.0, 1.8); (608365.8, 4267085.8, 0.0, 0.0, 1.8);
(608395.8, 4267085.8, 0.0, 0.0, 1.8); (608425.8, 4267085.8, 0.0, 0.0, 1.8);
(608455.8, 4267085.8, 0.0, 0.0, 1.8); (608485.8, 4267085.8, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - -

UMAll_AERMOD_output file

ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00D	607904.5	4267338.7	-11.71
Q1QWU00D	607909.5	4267338.7	-15.07
Q1QWU00D	607914.5	4267338.7	-18.12
Q1QWU00D	607919.5	4267338.7	-20.80
Q1QWU00D	607904.5	4267343.7	-8.02
Q1QWU00D	607909.5	4267343.7	-11.14
Q1QWU00D	607914.5	4267343.7	-13.95
Q1QWU00D	607919.5	4267343.7	-16.39
Q1QWU00D	607939.5	4267343.7	-21.40
Q1QWU00D	607944.5	4267343.7	-21.25
Q1QWU00D	607904.5	4267348.7	-4.14
Q1QWU00D	607909.5	4267348.7	-7.04
Q1QWU00D	607914.5	4267348.7	-9.63
Q1QWU00D	607934.5	4267348.7	-16.01
Q1QWU00D	607939.5	4267348.7	-16.40
Q1QWU00D	607944.5	4267348.7	-16.27
Q1QWU00D	607949.5	4267348.7	-15.61
Q1QWU00D	607954.5	4267348.7	-14.44
Q1QWU00D	607959.5	4267348.7	-12.81
Q1QWU00D	607964.5	4267348.7	-10.76
Q1QWU00D	607969.5	4267348.7	-8.33

UMAll_AERMOD_output file
Q1QWU00D 607974.5 4267348.7
-5.56
Q1QWU00D 607979.5 4267348.7
-2.52
Q1QWU00D 607984.5 4267348.7
0.77
Q1QWU00D 607904.5 4267353.7
-0.09
Q1QWU00D 607909.5 4267353.7
-2.81
Q1QWU00D 607914.5 4267353.7
-5.21
Q1QWU00D 607934.5 4267353.7
-11.05
Q1QWU00D 607939.5 4267353.7
-11.40
Q1QWU00D 607944.5 4267353.7
-11.28
Q1QWU00D 607949.5 4267353.7
-10.68
Q1QWU00D 607954.5 4267353.7
-9.63
Q1QWU00D 607959.5 4267353.7
-8.14
Q1QWU00D 607964.5 4267353.7
-6.25
Q1QWU00D 607969.5 4267353.7
-4.00
Q1QWU00D 607974.5 4267353.7
-1.43
Q1QWU00D 607934.5 4267358.7
-6.08
Q1QWU00D 607939.5 4267358.7
-6.41
Q1QWU00D 607944.5 4267358.7
-6.29
Q1QWU00D 607949.5 4267358.7
-5.75
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 53
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *

UMAll_AERMOD_output file
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00D	607954.5	4267358.7	-4.78
Q1QWU00D	607959.5	4267358.7	-3.41
Q1QWU00D	607964.5	4267358.7	-1.66
Q1QWU00D	607969.5	4267358.7	0.42
Q1QWU00D	607934.5	4267363.7	-1.11
Q1QWU00D	607939.5	4267363.7	-1.41
Q1QWU00D	607944.5	4267363.7	-1.30
Q1QWU00D	607949.5	4267363.7	-0.80
Q1QWU00D	607954.5	4267363.7	0.09
Q1QWU00D	607878.8	4267305.4	-1.60
Q1QWU00D	607878.8	4267310.4	-1.08
Q1QWU00D	607878.8	4267315.4	-0.18
Q1QWU00D	607905.0	4267340.2	-10.97
Q1QWU00D	607910.0	4267340.2	-14.22
Q1QWU00D	607915.0	4267340.2	-17.16
Q1QWU00D	607920.0	4267340.2	-19.73
Q1QWU00D	607905.0	4267345.2	-7.19
Q1QWU00D	607910.0	4267345.2	-10.21
Q1QWU00D	607915.0	4267345.2	

UMAll_AERMOD_output file

```
-12.92
                     Q1QWU00D            607920.0     4267345.2
-15.26
                     Q1QWU00D            607930.0     4267345.2
-18.63
                     Q1QWU00D            607935.0     4267345.2
-19.55
                     Q1QWU00D            607940.0     4267345.2
-19.91
                     Q1QWU00D            607945.0     4267345.2
-19.71
                     Q1QWU00D            607900.0     4267350.2
-0.15
                     Q1QWU00D            607905.0     4267350.2
-3.23
                     Q1QWU00D            607910.0     4267350.2
-6.05
                     Q1QWU00D            607915.0     4267350.2
-8.55
                     Q1QWU00D            607935.0     4267350.2
-14.59
                     Q1QWU00D            607940.0     4267350.2
-14.91
                     Q1QWU00D            607945.0     4267350.2
-14.73
                     Q1QWU00D            607950.0     4267350.2
-14.04
                     Q1QWU00D            607955.0     4267350.2
-12.86
                     Q1QWU00D            607960.0     4267350.2
-11.23
                     Q1QWU00D            607965.0     4267350.2
-9.19
                     Q1QWU00D            607970.0     4267350.2
-6.78
                     Q1QWU00D            607975.0     4267350.2
-4.05
                     Q1QWU00D            607980.0     4267350.2
-1.04
                     Q1QWU00D            607905.0     4267355.2
0.87
                     Q1QWU00D            607910.0     4267355.2
-1.76
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***         06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***         16:43:32
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UMAll_AERMOD_output file
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00D	607915.0	4267355.2	-4.09
Q1QWU00D	607935.0	4267355.2	-9.62
Q1QWU00D	607940.0	4267355.2	-9.91
Q1QWU00D	607945.0	4267355.2	-9.75
Q1QWU00D	607950.0	4267355.2	-9.12
Q1QWU00D	607955.0	4267355.2	-8.05
Q1QWU00D	607960.0	4267355.2	-6.56
Q1QWU00D	607965.0	4267355.2	-4.68
Q1QWU00D	607970.0	4267355.2	-2.45
Q1QWU00D	607975.0	4267355.2	0.10
Q1QWU00D	607915.0	4267360.2	0.46
Q1QWU00D	607935.0	4267360.2	-4.64
Q1QWU00D	607940.0	4267360.2	-4.91
Q1QWU00D	607945.0	4267360.2	-4.76
Q1QWU00D	607950.0	4267360.2	-4.19
Q1QWU00D	607955.0	4267360.2	-3.20

UMAll_AERMOD_output file

```
                    Q1QWU00D            607960.0     4267360.2
-1.83
                    Q1QWU00D            607965.0     4267360.2
-0.09
                    Q1QWU00D            607935.0     4267365.2
0.34
                    Q1QWU00D            607940.0     4267365.2
0.09
                    Q1QWU00D            607945.0     4267365.2
0.23
                    Q1QWU00D            607950.0     4267365.2
0.76
                    Q1QWU00D            607879.8     4267306.3
-2.53
                    Q1QWU00D            607884.5     4267274.2
-1.14
                    Q1QWU00D            607884.5     4267279.2
-3.16
                    Q1QWU00E            607964.5     4267348.7
-1.88
                    Q1QWU00E            607969.5     4267348.7
-4.98
                    Q1QWU00E            607974.5     4267348.7
-7.80
                    Q1QWU00E            607979.5     4267348.7
-10.30
                    Q1QWU00E            607984.5     4267348.7
-12.43
                    Q1QWU00E            607989.5     4267348.7
-14.15
                    Q1QWU00E            607994.5     4267348.7
-15.41
                    Q1QWU00E            607999.5     4267348.7
-16.18
                    Q1QWU00E            608004.5     4267348.7
-16.42
                    Q1QWU00E            608009.5     4267348.7
-16.13
                    Q1QWU00E            608014.5     4267348.7
-15.33
                    Q1QWU00E            607969.5     4267353.7
-0.88
                    Q1QWU00E            607974.5     4267353.7
-3.51
                    Q1QWU00E            607979.5     4267353.7
-5.83
                    Q1QWU00E            607984.5     4267353.7
-7.79
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UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 55
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00E	607989.5	4267353.7	-9.36
Q1QWU00E	607994.5	4267353.7	-10.51
Q1QWU00E	607999.5	4267353.7	-11.20
Q1QWU00E	608004.5	4267353.7	-11.42
Q1QWU00E	608009.5	4267353.7	-11.16
Q1QWU00E	608014.5	4267353.7	-10.43
Q1QWU00E	607974.5	4267358.7	0.88
Q1QWU00E	607979.5	4267358.7	-1.27
Q1QWU00E	607984.5	4267358.7	-3.09
Q1QWU00E	607989.5	4267358.7	-4.53
Q1QWU00E	607994.5	4267358.7	-5.59
Q1QWU00E	607999.5	4267358.7	-6.22
Q1QWU00E	608004.5	4267358.7	-6.42
Q1QWU00E	608009.5	4267358.7	

-6.18	Q1QWU00E	608014.5	4267358.7
-5.52	Q1QWU00E	607989.5	4267363.7
0.32	Q1QWU00E	607994.5	4267363.7
-0.65	Q1QWU00E	607999.5	4267363.7
-1.23	Q1QWU00E	608004.5	4267363.7
-1.42	Q1QWU00E	608009.5	4267363.7
-1.20	Q1QWU00E	608014.5	4267363.7
-0.59	Q1QWU00E	607965.0	4267350.2
-1.04	Q1QWU00E	607970.0	4267350.2
-4.05	Q1QWU00E	607975.0	4267350.2
-6.78	Q1QWU00E	607980.0	4267350.2
-9.19	Q1QWU00E	607985.0	4267350.2
-11.23	Q1QWU00E	607990.0	4267350.2
-12.86	Q1QWU00E	607995.0	4267350.2
-14.04	Q1QWU00E	608000.0	4267350.2
-14.73	Q1QWU00E	608005.0	4267350.2
-14.91	Q1QWU00E	608010.0	4267350.2
-14.59	Q1QWU00E	608015.0	4267350.2
-13.76	Q1QWU00E	607970.0	4267355.2
0.10	Q1QWU00E	607975.0	4267355.2
-2.45	Q1QWU00E	607980.0	4267355.2
-4.68	Q1QWU00E	607985.0	4267355.2
-6.56	Q1QWU00E	607990.0	4267355.2
-8.05	Q1QWU00E	607995.0	4267355.2

UMAll_AERMOD_output file

```
-9.12
                             Q1QWU00E            608000.0     4267355.2
-9.75
                             Q1QWU00E            608005.0     4267355.2
-9.91
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                       ***         06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***         16:43:32

                                   PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                     * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                       LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                                ID            XR (METERS)   YR (METERS)
(METERS)
                            - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - -

                             Q1QWU00E            608010.0     4267355.2
-9.62
                             Q1QWU00E            608015.0     4267355.2
-8.86
                             Q1QWU00E            607980.0     4267360.2
-0.09
                             Q1QWU00E            607985.0     4267360.2
-1.83
                             Q1QWU00E            607990.0     4267360.2
-3.20
                             Q1QWU00E            607995.0     4267360.2
-4.19
                             Q1QWU00E            608000.0     4267360.2
-4.76
                             Q1QWU00E            608005.0     4267360.2
-4.91
                             Q1QWU00E            608010.0     4267360.2
-4.64
                             Q1QWU00E            608015.0     4267360.2
-3.95
                             Q1QWU00E            607995.0     4267365.2
0.76
```

UMAll_AERMOD_output file

```
                    Q1QWU00E            608000.0     4267365.2
0.23
                    Q1QWU00E            608005.0     4267365.2
0.09
                    Q1QWU00E            608010.0     4267365.2
0.34
                    Q1QWU00E            608015.0     4267365.2
0.97
                    Q1QWU00F            608080.7     4267346.3
-17.03
                    Q1QWU00F            608085.7     4267346.3
-15.41
                    Q1QWU00F            608090.7     4267346.3
-13.35
                    Q1QWU00F            608095.7     4267346.3
-10.89
                    Q1QWU00F            608100.7     4267346.3
-8.09
                    Q1QWU00F            608105.7     4267346.3
-5.00
                    Q1QWU00F            608110.7     4267346.3
-1.66
                    Q1QWU00F            608060.7     4267351.3
-13.30
                    Q1QWU00F            608065.7     4267351.3
-13.77
                    Q1QWU00F            608070.7     4267351.3
-13.74
                    Q1QWU00F            608075.7     4267351.3
-13.21
                    Q1QWU00F            608080.7     4267351.3
-12.20
                    Q1QWU00F            608085.7     4267351.3
-10.73
                    Q1QWU00F            608090.7     4267351.3
-8.85
                    Q1QWU00F            608095.7     4267351.3
-6.58
                    Q1QWU00F            608100.7     4267351.3
-3.99
                    Q1QWU00F            608105.7     4267351.3
-1.10
                    Q1QWU00F            608060.7     4267356.3
-8.35
                    Q1QWU00F            608065.7     4267356.3
-8.77
                    Q1QWU00F            608070.7     4267356.3
-8.75
```

UMAll_AERMOD_output file
Q1QWU00F 608075.7 4267356.3
-8.27
Q1QWU00F 608080.7 4267356.3
-7.34
Q1QWU00F 608085.7 4267356.3
-6.00
Q1QWU00F 608090.7 4267356.3
-4.26
Q1QWU00F 608095.7 4267356.3
-2.17
↑ *** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00F	608100.7	4267356.3	0.25
Q1QWU00F	608060.7	4267361.3	-3.39
Q1QWU00F	608065.7	4267361.3	-3.78
Q1QWU00F	608070.7	4267361.3	-3.75
Q1QWU00F	608075.7	4267361.3	-3.31
Q1QWU00F	608080.7	4267361.3	-2.46
Q1QWU00F	608085.7	4267361.3	-1.23
Q1QWU00F	608090.7	4267361.3	0.38
Q1QWU00F	608071.2	4267345.6	

-19.40	Q1QWU00F	608076.2	4267345.6
-18.74	Q1QWU00F	608081.2	4267345.6
-17.56	Q1QWU00F	608086.2	4267345.6
-15.87	Q1QWU00F	608091.2	4267345.6
-13.74	Q1QWU00F	608096.2	4267345.6
-11.22	Q1QWU00F	608101.2	4267345.6
-8.36	Q1QWU00F	608106.2	4267345.6
-5.21	Q1QWU00F	608111.2	4267345.6
-1.81	Q1QWU00F	608061.2	4267350.6
-14.06	Q1QWU00F	608066.2	4267350.6
-14.49	Q1QWU00F	608071.2	4267350.6
-14.41	Q1QWU00F	608076.2	4267350.6
-13.82	Q1QWU00F	608081.2	4267350.6
-12.75	Q1QWU00F	608086.2	4267350.6
-11.22	Q1QWU00F	608091.2	4267350.6
-9.27	Q1QWU00F	608096.2	4267350.6
-6.95	Q1QWU00F	608101.2	4267350.6
-4.29	Q1QWU00F	608106.2	4267350.6
-1.35	Q1QWU00F	608061.2	4267355.6
-9.11	Q1QWU00F	608066.2	4267355.6
-9.49	Q1QWU00F	608071.2	4267355.6
-9.42	Q1QWU00F	608076.2	4267355.6
-8.89	Q1QWU00F	608081.2	4267355.6
-7.91	Q1QWU00F	608086.2	4267355.6

UMAll_AERMOD_output file

-6.51
Q1QWU00F 608091.2 4267355.6
-4.71
Q1QWU00F 608096.2 4267355.6
-2.56
Q1QWU00F 608101.2 4267355.6
-0.09
Q1QWU00F 608061.2 4267360.6
-4.14
Q1QWU00F 608066.2 4267360.6
-4.49
Q1QWU00F 608071.2 4267360.6
-4.43
Q1QWU00F 608076.2 4267360.6
-3.94

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *

LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00F	608081.2	4267360.6	-3.04
Q1QWU00F	608086.2	4267360.6	-1.75
Q1QWU00F	608091.2	4267360.6	-0.09
Q1QWU00F	608061.2	4267365.6	0.83
Q1QWU00F	608066.2	4267365.6	0.50
Q1QWU00F	608071.2	4267365.6	0.57

UMAll_AERMOD_output file

```
                    Q1QWU00G            608135.7     4267336.3
-28.58
                    Q1QWU00G            608140.7     4267336.3
-27.65
                    Q1QWU00G            608145.7     4267336.3
-26.07
                    Q1QWU00G            608150.7     4267336.3
-23.92
                    Q1QWU00G            608135.7     4267341.3
-23.61
                    Q1QWU00G            608140.7     4267341.3
-22.79
                    Q1QWU00G            608145.7     4267341.3
-21.39
                    Q1QWU00G            608150.7     4267341.3
-19.47
                    Q1QWU00G            608085.7     4267346.3
0.52
                    Q1QWU00G            608090.7     4267346.3
-2.96
                    Q1QWU00G            608095.7     4267346.3
-6.21
                    Q1QWU00G            608100.7     4267346.3
-9.20
                    Q1QWU00G            608105.7     4267346.3
-11.87
                    Q1QWU00G            608110.7     4267346.3
-14.18
                    Q1QWU00G            608115.7     4267346.3
-16.08
                    Q1QWU00G            608120.7     4267346.3
-17.51
                    Q1QWU00G            608125.7     4267346.3
-18.43
                    Q1QWU00G            608130.7     4267346.3
-18.81
                    Q1QWU00G            608135.7     4267346.3
-18.63
                    Q1QWU00G            608140.7     4267346.3
-17.90
                    Q1QWU00G            608145.7     4267346.3
-16.65
                    Q1QWU00G            608150.7     4267346.3
-14.92
                    Q1QWU00G            608090.7     4267351.3
0.82
                    Q1QWU00G            608095.7     4267351.3
-2.23
```

UMAll_AERMOD_output file

Q1QWU00G 608100.7 4267351.3
-5.01
Q1QWU00G 608105.7 4267351.3
-7.49
Q1QWU00G 608110.7 4267351.3
-9.61
Q1QWU00G 608115.7 4267351.3
-11.34
Q1QWU00G 608120.7 4267351.3
-12.64
Q1QWU00G 608125.7 4267351.3
-13.47
Q1QWU00G 608130.7 4267351.3
-13.81
Q1QWU00G 608135.7 4267351.3
-13.65
Q1QWU00G 608140.7 4267351.3
-12.99
Q1QWU00G 608145.7 4267351.3
-11.86

↑ *** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - -
DISTANCE
ID XR (METERS) YR (METERS)
(METERS)
- -
- - -

Q1QWU00G 608150.7 4267351.3
-10.28
Q1QWU00G 608155.7 4267351.3
-8.29
Q1QWU00G 608100.7 4267356.3
-0.71
Q1QWU00G 608105.7 4267356.3

-3.01	Q1QWU00G	608110.7	4267356.3
-4.97	Q1QWU00G	608115.7	4267356.3
-6.56	Q1QWU00G	608120.7	4267356.3
-7.74	Q1QWU00G	608125.7	4267356.3
-8.50	Q1QWU00G	608130.7	4267356.3
-8.81	Q1QWU00G	608135.7	4267356.3
-8.67	Q1QWU00G	608140.7	4267356.3
-8.07	Q1QWU00G	608145.7	4267356.3
-7.03	Q1QWU00G	608150.7	4267356.3
-5.59	Q1QWU00G	608155.7	4267356.3
-3.75	Q1QWU00G	608110.7	4267361.3
-0.27	Q1QWU00G	608115.7	4267361.3
-1.74	Q1QWU00G	608120.7	4267361.3
-2.83	Q1QWU00G	608125.7	4267361.3
-3.53	Q1QWU00G	608130.7	4267361.3
-3.81	Q1QWU00G	608135.7	4267361.3
-3.68	Q1QWU00G	608140.7	4267361.3
-3.13	Q1QWU00G	608145.7	4267361.3
-2.18	Q1QWU00G	608150.7	4267361.3
-0.84	Q1QWU00G	608155.7	4267361.3
0.86	Q1QWU00G	608192.7	4267315.0
-1.04	Q1QWU00G	608192.7	4267320.0
0.22	Q1QWU00G	608136.2	4267335.6
-29.21	Q1QWU00G	608141.2	4267335.6

UMAll_AERMOD_output file

```
-28.19
                            Q1QWU00G            608146.2     4267335.6
-26.52
                            Q1QWU00G            608151.2     4267335.6
-24.29
                            Q1QWU00G            608136.2     4267340.6
-24.25
                            Q1QWU00G            608141.2     4267340.6
-23.36
                            Q1QWU00G            608146.2     4267340.6
-21.88
                            Q1QWU00G            608151.2     4267340.6
-19.88
                            Q1QWU00G            608086.2     4267345.6
-0.33
                            Q1QWU00G            608091.2     4267345.6
-3.81
                            Q1QWU00G            608096.2     4267345.6
-7.07
                            Q1QWU00G            608101.2     4267345.6
-10.06
                            Q1QWU00G            608106.2     4267345.6
-12.73
                            Q1QWU00G            608111.2     4267345.6
-15.03
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                     * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                       LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL


                             SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                               ID            XR (METERS)   YR (METERS)
(METERS)
                           - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - -

                            Q1QWU00G            608116.2     4267345.6
-16.91
```

UMAll_AERMOD_output file

```
                    Q1QWU00G            608121.2     4267345.6
-18.31
                    Q1QWU00G            608126.2     4267345.6
-19.19
                    Q1QWU00G            608131.2     4267345.6
-19.52
                    Q1QWU00G            608136.2     4267345.6
-19.28
                    Q1QWU00G            608141.2     4267345.6
-18.49
                    Q1QWU00G            608146.2     4267345.6
-17.16
                    Q1QWU00G            608151.2     4267345.6
-15.36
                    Q1QWU00G            608091.2     4267350.6
-0.03
                    Q1QWU00G            608096.2     4267350.6
-3.09
                    Q1QWU00G            608101.2     4267350.6
-5.87
                    Q1QWU00G            608106.2     4267350.6
-8.34
                    Q1QWU00G            608111.2     4267350.6
-10.45
                    Q1QWU00G            608116.2     4267350.6
-12.16
                    Q1QWU00G            608121.2     4267350.6
-13.43
                    Q1QWU00G            608126.2     4267350.6
-14.22
                    Q1QWU00G            608131.2     4267350.6
-14.52
                    Q1QWU00G            608136.2     4267350.6
-14.30
                    Q1QWU00G            608141.2     4267350.6
-13.59
                    Q1QWU00G            608146.2     4267350.6
-12.39
                    Q1QWU00G            608151.2     4267350.6
-10.75
                    Q1QWU00G            608101.2     4267355.6
-1.56
                    Q1QWU00G            608106.2     4267355.6
-3.85
                    Q1QWU00G            608111.2     4267355.6
-5.80
                    Q1QWU00G            608116.2     4267355.6
-7.37
```

UMAll_AERMOD_output file
Q1QWU00G 608121.2 4267355.6
-8.53
Q1QWU00G 608126.2 4267355.6
-9.25
Q1QWU00G 608131.2 4267355.6
-9.52
Q1QWU00G 608136.2 4267355.6
-9.32
Q1QWU00G 608141.2 4267355.6
-8.67
Q1QWU00G 608146.2 4267355.6
-7.58
Q1QWU00G 608151.2 4267355.6
-6.08
Q1QWU00G 608106.2 4267360.6
0.71
Q1QWU00G 608111.2 4267360.6
-1.10
Q1QWU00G 608116.2 4267360.6
-2.55
Q1QWU00G 608121.2 4267360.6
-3.61
Q1QWU00G 608126.2 4267360.6
-4.27
Q1QWU00G 608131.2 4267360.6
-4.52
Q1QWU00G 608136.2 4267360.6
-4.34
Q1QWU00G 608141.2 4267360.6
-3.74
↟ *** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - -
DISTANCE
ID XR (METERS) YR (METERS)
(METERS)

UMAll_AERMOD_output file

- -

Q1QWU00G 608146.2 4267360.6
-2.74
Q1QWU00G 608151.2 4267360.6
-1.35
Q1QWU00G 608126.2 4267365.6
0.71
Q1QWU00G 608131.2 4267365.6
0.48
Q1QWU00G 608136.2 4267365.6
0.65

↑ *** AERMOD - VERSION 18081 *** *** University Commons *** 06/18/19
*** AERMET - VERSION 14134 *** *** *** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

UMAll_AERMOD_output file

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,
10.80,
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

Surface file: C:\Users\jbyrne\Desktop\Davis Met\724839\724839.SFC
Met Version: 14134
Profile file: C:\Users\jbyrne\Desktop\Davis Met\724839\724839.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 93225 Upper air station no.: 23230
Name: SMF Name: UNKNOWN

Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-11.7	0.202	-9.000	-9.000	-999.	218.	63.9	0.67	0.69	1.00	1.76	181.	10.0	277.0	2.0
09	01	01	1	02	-5.2	0.089	-9.000	-9.000	-999.	72.	12.7	0.20	0.69	1.00	1.76	128.	10.0	277.5	2.0
09	01	01	1	03	-3.9	0.075	-9.000	-9.000	-999.	49.	9.6	0.09	0.69	1.00	1.76	64.	10.0	277.5	2.0
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.27	0.69	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.27	0.69	1.00	0.00	0.	10.0	277.5	2.0
09	01	01	1	06	-5.1	0.089	-9.000	-9.000	-999.	64.	12.6	0.19	0.69	1.00	1.76	352.	10.0	277.5	2.0
09	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.27	0.69	1.00	0.00	0.	10.0	277.0	2.0
09	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.27	0.69						

UMAll_AERMOD_output file

```
1.00    0.00    0.   10.0  277.0    2.0
 09 01 01   1 09   -2.8  0.096 -9.000 -9.000 -999.   71.     28.3  0.04   0.69
0.41    1.76   57.   10.0  277.5    2.0
 09 01 01   1 10    4.7  0.178  0.219  0.014   81.  180.   -107.8  0.04   0.69
0.28    2.36   41.   10.0  277.5    2.0
 09 01 01   1 11   11.9 -9.000 -9.000 -9.000  152. -999. -99999.0  0.27   0.69
0.24    0.00    0.   10.0  277.5    2.0
 09 01 01   1 12   16.0 -9.000 -9.000 -9.000  211. -999. -99999.0  0.27   0.69
0.22    0.00    0.   10.0  278.1    2.0
 09 01 01   1 13   16.6 -9.000 -9.000 -9.000  258. -999. -99999.0  0.27   0.69
0.22    0.00    0.   10.0  278.1    2.0
 09 01 01   1 14   13.7 -9.000 -9.000 -9.000  292. -999. -99999.0  0.27   0.69
0.23    0.00    0.   10.0  278.1    2.0
 09 01 01   1 15    7.6  0.273  0.401  0.016  309.  343.   -244.8  0.67   0.69
0.26    1.76  192.   10.0  278.8    2.0
 09 01 01   1 16   -1.8 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   0.69
0.35    0.00    0.   10.0  278.8    2.0
 09 01 01   1 17  -11.2  0.207 -9.000 -9.000 -999.  226.     71.5  0.67   0.69
0.61    1.76  221.   10.0  278.8    2.0
 09 01 01   1 18  -11.5  0.200 -9.000 -9.000 -999.  214.     63.0  0.20   0.69
1.00    2.36  177.   10.0  278.8    2.0
 09 01 01   1 19  -17.9  0.312 -9.000 -9.000 -999.  417.    153.3  0.67   0.69
1.00    2.36  184.   10.0  278.8    2.0
 09 01 01   1 20  -15.0  0.260 -9.000 -9.000 -999.  319.    106.7  0.20   0.69
1.00    2.86  167.   10.0  278.8    2.0
 09 01 01   1 21   -5.1  0.089 -9.000 -9.000 -999.   98.     12.7  0.20   0.69
1.00    1.76  170.   10.0  279.2    2.0
 09 01 01   1 22  -24.4  0.425 -9.000 -9.000 -999.  665.    285.5  0.20   0.69
1.00    4.36  172.   10.0  279.2    2.0
 09 01 01   1 23  -21.3  0.371 -9.000 -9.000 -999.  545.    218.0  0.20   0.69
1.00    3.86  170.   10.0  279.2    2.0
 09 01 01   1 24  -24.4  0.425 -9.000 -9.000 -999.  664.    285.5  0.20   0.69
1.00    4.36  160.   10.0  279.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1  181.    1.76   277.1   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       16:43:32

                                   PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607904.50	4267338.70	0.04787	607909.50	4267338.70	0.05143
607914.50	4267338.70	0.05532	607919.50	4267338.70	0.05958
607904.50	4267343.70	0.04684	607909.50	4267343.70	0.05022
607914.50	4267343.70	0.05390	607919.50	4267343.70	0.05793
607939.50	4267343.70	0.07825	607944.50	4267343.70	0.08457
607904.50	4267348.70	0.04581	607909.50	4267348.70	0.04902
607914.50	4267348.70	0.05252	607934.50	4267348.70	0.06992
607939.50	4267348.70	0.07528	607944.50	4267348.70	0.08109
607949.50	4267348.70	0.08736	607954.50	4267348.70	0.09404
607959.50	4267348.70	0.10110	607964.50	4267348.70	0.05882
607969.50	4267348.70	0.06112	607974.50	4267348.70	0.06355
607979.50	4267348.70	0.06615	607984.50	4267348.70	0.06897
607989.50	4267348.70	0.10655	607994.50	4267348.70	0.10591
607999.50	4267348.70	0.10607	608004.50	4267348.70	0.10708
608009.50	4267348.70	0.10894	608014.50	4267348.70	0.11159
607899.50	4267353.70	0.08662	607904.50	4267353.70	0.04480

UMAll_AERMOD_output file

```
         607909.50    4267353.70        0.04785                    607914.50
4267353.70        0.05116
         607934.50    4267353.70        0.06745                    607939.50
4267353.70        0.07240
         607944.50    4267353.70        0.07772                    607949.50
4267353.70        0.08341
         607954.50    4267353.70        0.08944                    607959.50
4267353.70        0.09576
         607964.50    4267353.70        0.10228                    607969.50
4267353.70        0.05860
         607974.50    4267353.70        0.06092                    607979.50
4267353.70        0.10329
         607984.50    4267353.70        0.10176                    607989.50
4267353.70        0.10077
         607994.50    4267353.70        0.10041                    607999.50
4267353.70        0.10073
         608004.50    4267353.70        0.10175                    608009.50
4267353.70        0.10347
         608014.50    4267353.70        0.10584                    607899.50
4267358.70        0.08240
         607904.50    4267358.70        0.08884                    607909.50
4267358.70        0.09533
         607934.50    4267358.70        0.06505                    607939.50
4267358.70        0.06961
         607944.50    4267358.70        0.07448                    607949.50
4267358.70        0.07964
         607954.50    4267358.70        0.08508                    607959.50
4267358.70        0.09073
         607964.50    4267358.70        0.09651                    607969.50
4267358.70        0.10232
         607974.50    4267358.70        0.09850                    607979.50
4267358.70        0.09710
         607984.50    4267358.70        0.09601                    607989.50
4267358.70        0.09536
         607994.50    4267358.70        0.09523                    607999.50
4267358.70        0.09567
         608004.50    4267358.70        0.09669                    608009.50
4267358.70        0.09828
         608014.50    4267358.70        0.10041                    607899.50
4267363.70        0.07844
         607904.50    4267363.70        0.08417                    607909.50
4267363.70        0.08992
         607934.50    4267363.70        0.06272                    607939.50
4267363.70        0.06692
         607944.50    4267363.70        0.07138                    607949.50
4267363.70        0.07607
         607954.50    4267363.70        0.08097                    607959.50
4267363.70        0.13162
```

UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607964.50	4267363.70	0.13381	607969.50	4267363.70	0.13579
607974.50	4267363.70	0.13758	607979.50	4267363.70	0.13920
607984.50	4267363.70	0.14066	607989.50	4267363.70	0.09032
607994.50	4267363.70	0.09038	607999.50	4267363.70	0.09090
608004.50	4267363.70	0.09191	608009.50	4267363.70	0.09338
608014.50	4267363.70	0.09529	607899.50	4267368.70	0.07473
607904.50	4267368.70	0.07985	607909.50	4267368.70	0.08497
607914.50	4267368.70	0.09000	607919.50	4267368.70	0.09489
607924.50	4267368.70	0.09953	607929.50	4267368.70	0.10387
607934.50	4267368.70	0.10787	607939.50	4267368.70	0.11149
607944.50	4267368.70	0.11475	607949.50	4267368.70	0.11765
607954.50	4267368.70	0.12024	607959.50	4267368.70	0.12253

UMAll_AERMOD_output file

```
         607964.50    4267368.70        0.12459                    607969.50
4267368.70        0.12644
         607974.50    4267368.70        0.12810                    607979.50
4267368.70        0.12960
         607984.50    4267368.70        0.13093                    607989.50
4267368.70        0.13208
         607994.50    4267368.70        0.13304                    607999.50
4267368.70        0.13380
         608004.50    4267368.70        0.13438                    608009.50
4267368.70        0.13476
         608014.50    4267368.70        0.13496                    607899.50
4267373.70        0.07128
         607904.50    4267373.70        0.07587                    607909.50
4267373.70        0.08044
         607914.50    4267373.70        0.08495                    607919.50
4267373.70        0.08930
         607924.50    4267373.70        0.09345                    607929.50
4267373.70        0.09734
         607934.50    4267373.70        0.10093                    607939.50
4267373.70        0.10422
         607944.50    4267373.70        0.10719                    607949.50
4267373.70        0.10986
         607954.50    4267373.70        0.11225                    607959.50
4267373.70        0.11439
         607964.50    4267373.70        0.11632                    607969.50
4267373.70        0.11804
         607974.50    4267373.70        0.11958                    607979.50
4267373.70        0.12097
         607984.50    4267373.70        0.12219                    607989.50
4267373.70        0.12324
         607994.50    4267373.70        0.12411                    607999.50
4267373.70        0.12481
         608004.50    4267373.70        0.12534                    608009.50
4267373.70        0.12570
         608014.50    4267373.70        0.12590                    607894.50
4267378.70        0.06397
         607899.50    4267378.70        0.06806                    607904.50
4267378.70        0.07220
         607909.50    4267378.70        0.07631                    607914.50
4267378.70        0.08035
         607919.50    4267378.70        0.08426                    607924.50
4267378.70        0.08798
         607929.50    4267378.70        0.09148                    607934.50
4267378.70        0.09473
         607939.50    4267378.70        0.09771                    607944.50
4267378.70        0.10043
         607949.50    4267378.70        0.10288                    607954.50
4267378.70        0.10509
```

UMAll_AERMOD_output file

```
         607959.50    4267378.70        0.10709                       607964.50
4267378.70        0.10888
         607969.50    4267378.70        0.11048                       607974.50
4267378.70        0.11192
         607979.50    4267378.70        0.11320                       607984.50
4267378.70        0.11432
         607989.50    4267378.70        0.11529                       607994.50
4267378.70        0.11609
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607999.50    4267378.70        0.11674                       608004.50
4267378.70        0.11722
         608009.50    4267378.70        0.11756                       608014.50
4267378.70        0.11775
         607889.50    4267383.70        0.05771                       607894.50
4267383.70        0.06135
         607899.50    4267383.70        0.06507                       607904.50
4267383.70        0.06881
         607909.50    4267383.70        0.07253                       607914.50
4267383.70        0.07617
         607919.50    4267383.70        0.07969                       607924.50
4267383.70        0.08305
         607929.50    4267383.70        0.08621                       607934.50
4267383.70        0.08915
         607939.50    4267383.70        0.09187                       607944.50
4267383.70        0.09436
```

UMAll_AERMOD_output file

```
         607949.50    4267383.70        0.09662                    607954.50
4267383.70        0.09866
         607959.50    4267383.70        0.10051                    607964.50
4267383.70        0.10218
         607969.50    4267383.70        0.10367                    607974.50
4267383.70        0.10501
         607979.50    4267383.70        0.10620                    607984.50
4267383.70        0.10723
         607989.50    4267383.70        0.10812                    607994.50
4267383.70        0.10887
         607999.50    4267383.70        0.10946                    608004.50
4267383.70        0.10991
         608009.50    4267383.70        0.11022                    608014.50
4267383.70        0.11040
         607889.50    4267388.70        0.05557                    607894.50
4267388.70        0.05890
         607899.50    4267388.70        0.06229                    607904.50
4267388.70        0.06568
         607909.50    4267388.70        0.06905                    607914.50
4267388.70        0.07235
         607919.50    4267388.70        0.07553                    607924.50
4267388.70        0.07857
         607929.50    4267388.70        0.08145                    607934.50
4267388.70        0.08413
         607939.50    4267388.70        0.08661                    607944.50
4267388.70        0.08889
         607949.50    4267388.70        0.09097                    607954.50
4267388.70        0.09287
         607959.50    4267388.70        0.09458                    607964.50
4267388.70        0.09613
         607969.50    4267388.70        0.09752                    607974.50
4267388.70        0.09877
         607979.50    4267388.70        0.09987                    607984.50
4267388.70        0.10083
         607989.50    4267388.70        0.10165                    607994.50
4267388.70        0.10234
         607999.50    4267388.70        0.10289                    608004.50
4267388.70        0.10330
         608009.50    4267388.70        0.10359                    608014.50
4267388.70        0.10376
         607889.50    4267393.70        0.05354                    607894.50
4267393.70        0.05660
         607899.50    4267393.70        0.05969                    607904.50
4267393.70        0.06279
         607909.50    4267393.70        0.06585                    607914.50
4267393.70        0.06885
         607919.50    4267393.70        0.07174                    607924.50
4267393.70        0.07451
```

UMAll_AERMOD_output file

```
         607929.50    4267393.70        0.07712                       607934.50
4267393.70        0.07957
         607939.50    4267393.70        0.08185                       607944.50
4267393.70        0.08395
         607949.50    4267393.70        0.08587                       607954.50
4267393.70        0.08762
         607959.50    4267393.70        0.08921                       607964.50
4267393.70        0.09065
         607969.50    4267393.70        0.09195                       607974.50
4267393.70        0.09311
         607979.50    4267393.70        0.09413                       607984.50
4267393.70        0.09502
         607989.50    4267393.70        0.09578                       607994.50
4267393.70        0.09642
         607999.50    4267393.70        0.09693                       608004.50
4267393.70        0.09732
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608009.50    4267393.70        0.09758                       608014.50
4267393.70        0.09774
         608135.70    4267336.30        0.06101                       608140.70
4267336.30        0.05555
         608145.70    4267336.30        0.05073                       608150.70
4267336.30        0.04646
         608135.70    4267341.30        0.05823                       608140.70
4267341.30        0.05322
```

UMAll_AERMOD_output file

```
         608145.70    4267341.30        0.04876                    608150.70
4267341.30        0.04481
         608080.70    4267346.30        0.10457                    608085.70
4267346.30        0.06122
         608090.70    4267346.30        0.05776                    608095.70
4267346.30        0.05449
         608100.70    4267346.30        0.05140                    608105.70
4267346.30        0.04845
         608110.70    4267346.30        0.04564                    608115.70
4267346.30        0.07973
         608120.70    4267346.30        0.07278                    608125.70
4267346.30        0.06646
         608130.70    4267346.30        0.06074                    608135.70
4267346.30        0.05560
         608140.70    4267346.30        0.05100                    608145.70
4267346.30        0.04689
         608150.70    4267346.30        0.04322                    608060.70
4267351.30        0.10074
         608065.70    4267351.30        0.09919                    608070.70
4267351.30        0.09839
         608075.70    4267351.30        0.09829                    608080.70
4267351.30        0.09883
         608085.70    4267351.30        0.09993                    608090.70
4267351.30        0.05484
         608095.70    4267351.30        0.05180                    608100.70
4267351.30        0.04892
         608105.70    4267351.30        0.04617                    608110.70
4267351.30        0.08167
         608115.70    4267351.30        0.07494                    608120.70
4267351.30        0.06870
         608125.70    4267351.30        0.06299                    608130.70
4267351.30        0.05780
         608135.70    4267351.30        0.05311                    608140.70
4267351.30        0.04889
         608145.70    4267351.30        0.04510                    608150.70
4267351.30        0.04170
         608155.70    4267351.30        0.03865                    608060.70
4267356.30        0.09542
         608065.70    4267356.30        0.09403                    608070.70
4267356.30        0.09326
         608075.70    4267356.30        0.09308                    608080.70
4267356.30        0.09341
         608085.70    4267356.30        0.09418                    608090.70
4267356.30        0.09526
         608095.70    4267356.30        0.09649                    608100.70
4267356.30        0.04663
         608105.70    4267356.30        0.08287                    608110.70
4267356.30        0.07649
```

UMAll_AERMOD_output file

```
         608115.70    4267356.30        0.07049                        608120.70
4267356.30        0.06490
         608125.70    4267356.30        0.05974                        608130.70
4267356.30        0.05504
         608135.70    4267356.30        0.05076                        608140.70
4267356.30        0.04689
         608145.70    4267356.30        0.04340                        608150.70
4267356.30        0.04025
         608155.70    4267356.30        0.03741                        608060.70
4267361.30        0.09040
         608065.70    4267361.30        0.08916                        608070.70
4267361.30        0.08842
         608075.70    4267361.30        0.08816                        608080.70
4267361.30        0.08832
         608085.70    4267361.30        0.08880                        608090.70
4267361.30        0.08951
         608095.70    4267361.30        0.13253                        608100.70
4267361.30        0.12981
         608105.70    4267361.30        0.12689                        608110.70
4267361.30        0.07174
         608115.70    4267361.30        0.06638                        608120.70
4267361.30        0.06136
         608125.70    4267361.30        0.05671                        608130.70
4267361.30        0.05244
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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```
         608135.70    4267361.30        0.04854                    608140.70
4267361.30        0.04499
         608145.70    4267361.30        0.04177                    608150.70
4267361.30        0.03885
         608155.70    4267361.30        0.03620                    608060.70
4267366.30        0.13561
         608065.70    4267366.30        0.13440                    608070.70
4267366.30        0.13297
         608075.70    4267366.30        0.13131                    608080.70
4267366.30        0.12944
         608085.70    4267366.30        0.12737                    608090.70
4267366.30        0.12513
         608095.70    4267366.30        0.12272                    608100.70
4267366.30        0.12013
         608105.70    4267366.30        0.11736                    608110.70
4267366.30        0.11438
         608115.70    4267366.30        0.11116                    608120.70
4267366.30        0.10765
         608125.70    4267366.30        0.10384                    608130.70
4267366.30        0.09971
         608135.70    4267366.30        0.09526                    608140.70
4267366.30        0.09052
         608145.70    4267366.30        0.08556                    608150.70
4267366.30        0.08043
         608155.70    4267366.30        0.07524                    608060.70
4267371.30        0.12612
         608065.70    4267371.30        0.12494                    608070.70
4267371.30        0.12357
         608075.70    4267371.30        0.12200                    608080.70
4267371.30        0.12024
         608085.70    4267371.30        0.11830                    608090.70
4267371.30        0.11619
         608095.70    4267371.30        0.11391                    608100.70
4267371.30        0.11146
         608105.70    4267371.30        0.10883                    608110.70
4267371.30        0.10601
         608115.70    4267371.30        0.10295                    608120.70
4267371.30        0.09966
         608125.70    4267371.30        0.09609                    608130.70
4267371.30        0.09227
         608135.70    4267371.30        0.08819                    608140.70
4267371.30        0.08389
         608145.70    4267371.30        0.07941                    608150.70
4267371.30        0.07482
         608155.70    4267371.30        0.07019                    608060.70
4267376.30        0.11761
         608065.70    4267376.30        0.11647                    608070.70
4267376.30        0.11515
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UMAll_AERMOD_output file

```
         608075.70    4267376.30        0.11366                        608080.70
4267376.30        0.11199
         608085.70    4267376.30        0.11016                        608090.70
4267376.30        0.10817
         608095.70    4267376.30        0.10602                        608100.70
4267376.30        0.10369
         608105.70    4267376.30        0.10120                        608110.70
4267376.30        0.09853
         608115.70    4267376.30        0.09565                        608120.70
4267376.30        0.09255
         608125.70    4267376.30        0.08923                        608130.70
4267376.30        0.08570
         608135.70    4267376.30        0.08196                        608140.70
4267376.30        0.07803
         608145.70    4267376.30        0.07398                        608150.70
4267376.30        0.06984
         608155.70    4267376.30        0.06568                        608060.70
4267381.30        0.10996
         608065.70    4267381.30        0.10885                        608070.70
4267381.30        0.10759
         608075.70    4267381.30        0.10617                        608080.70
4267381.30        0.10459
         608085.70    4267381.30        0.10286                        608090.70
4267381.30        0.10097
         608095.70    4267381.30        0.09893                        608100.70
4267381.30        0.09673
         608105.70    4267381.30        0.09438                        608110.70
4267381.30        0.09185
         608115.70    4267381.30        0.08914                        608120.70
4267381.30        0.08623
         608125.70    4267381.30        0.08314                        608130.70
4267381.30        0.07987
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                    PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                     INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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UMAll_AERMOD_output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608135.70	4267381.30	0.07643	608140.70	4267381.30	0.07285
608145.70	4267381.30	0.06916	608150.70	4267381.30	0.06542
608155.70	4267381.30	0.06166	608060.70	4267386.30	0.10306
608065.70	4267386.30	0.10200	608070.70	4267386.30	0.10079
608075.70	4267386.30	0.09943	608080.70	4267386.30	0.09793
608085.70	4267386.30	0.09628	608090.70	4267386.30	0.09449
608095.70	4267386.30	0.09256	608100.70	4267386.30	0.09048
608105.70	4267386.30	0.08825	608110.70	4267386.30	0.08586
608115.70	4267386.30	0.08331	608120.70	4267386.30	0.08059
608125.70	4267386.30	0.07771	608130.70	4267386.30	0.07468
608135.70	4267386.30	0.07151	608140.70	4267386.30	0.06823
608145.70	4267386.30	0.06487	608150.70	4267386.30	0.06147
608155.70	4267386.30	0.05807	608060.70	4267391.30	0.09682
608065.70	4267391.30	0.09580	608070.70	4267391.30	0.09464
608075.70	4267391.30	0.09335	608080.70	4267391.30	0.09192
608085.70	4267391.30	0.09035	608090.70	4267391.30	0.08865
608095.70	4267391.30	0.08682	608100.70	4267391.30	0.08485
608105.70	4267391.30	0.08274	608110.70	4267391.30	0.08048
608115.70	4267391.30	0.07808	608120.70	4267391.30	0.07554
608125.70	4267391.30	0.07286	608130.70	4267391.30	0.07004

UMAll_AERMOD_output file

```
         608135.70    4267391.30        0.06712                        608140.70
4267391.30        0.06411
         608145.70    4267391.30        0.06103                        608150.70
4267391.30        0.05793
         608155.70    4267391.30        0.05483                        608060.70
4267396.30        0.09116
         608065.70    4267396.30        0.09018                        608070.70
4267396.30        0.08907
         608075.70    4267396.30        0.08783                        608080.70
4267396.30        0.08647
         608085.70    4267396.30        0.08498                        608090.70
4267396.30        0.08337
         608095.70    4267396.30        0.08162                        608100.70
4267396.30        0.07976
         608105.70    4267396.30        0.07776                        608110.70
4267396.30        0.07563
         608115.70    4267396.30        0.07338                        608120.70
4267396.30        0.07100
         608125.70    4267396.30        0.06849                        608130.70
4267396.30        0.06588
         608135.70    4267396.30        0.06318                        608140.70
4267396.30        0.06040
         608145.70    4267396.30        0.05758                        608150.70
4267396.30        0.05474
         608155.70    4267396.30        0.05191                        608055.70
4267401.30        0.08684
         608060.70    4267401.30        0.08601                        608065.70
4267401.30        0.08507
         608070.70    4267401.30        0.08400                        608075.70
4267401.30        0.08282
         608080.70    4267401.30        0.08152                        608085.70
4267401.30        0.08010
         608090.70    4267401.30        0.07857                        608095.70
4267401.30        0.07691
         608100.70    4267401.30        0.07514                        608105.70
4267401.30        0.07325
         608110.70    4267401.30        0.07125                        608115.70
4267401.30        0.06913
         608120.70    4267401.30        0.06690                        608125.70
4267401.30        0.06456
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
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UMAll_AERMOD_output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608130.70	4267401.30	0.06213	608135.70	4267401.30	0.05963
608140.70	4267401.30	0.05707	608145.70	4267401.30	0.05447
608150.70	4267401.30	0.05186	608155.70	4267401.30	0.04927
608055.70	4267406.30	0.08211	608060.70	4267406.30	0.08131
608065.70	4267406.30	0.08040	608070.70	4267406.30	0.07938
608075.70	4267406.30	0.07825	608080.70	4267406.30	0.07701
608085.70	4267406.30	0.07565	608090.70	4267406.30	0.07419
608095.70	4267406.30	0.07262	608100.70	4267406.30	0.07095
608105.70	4267406.30	0.06916	608110.70	4267406.30	0.06727
608115.70	4267406.30	0.06527	608120.70	4267406.30	0.06318
608125.70	4267406.30	0.06100	608130.70	4267406.30	0.05874
608135.70	4267406.30	0.05641	608140.70	4267406.30	0.05404
608145.70	4267406.30	0.05165	608150.70	4267406.30	0.04925
608155.70	4267406.30	0.04686	608055.70	4267411.30	0.07777
608060.70	4267411.30	0.07700	608065.70	4267411.30	0.07612
608070.70	4267411.30	0.07514	608075.70	4267411.30	0.07406

UMAll_AERMOD_output file

```
         608080.70    4267411.30        0.07288                    608085.70
4267411.30        0.07159
         608090.70    4267411.30        0.07020                    608095.70
4267411.30        0.06871
         608100.70    4267411.30        0.06712                    608105.70
4267411.30        0.06543
         608110.70    4267411.30        0.06364                    608115.70
4267411.30        0.06176
         608120.70    4267411.30        0.05980                    608125.70
4267411.30        0.05776
         608130.70    4267411.30        0.05565                    608135.70
4267411.30        0.05349
         608140.70    4267411.30        0.05129                    608145.70
4267411.30        0.04908
         608150.70    4267411.30        0.04686                    608155.70
4267411.30        0.04465
         608055.70    4267416.30        0.07378                    608060.70
4267416.30        0.07303
         608065.70    4267416.30        0.07219                    608070.70
4267416.30        0.07125
         608075.70    4267416.30        0.07022                    608080.70
4267416.30        0.06909
         608085.70    4267416.30        0.06786                    608090.70
4267416.30        0.06653
         608095.70    4267416.30        0.06512                    608100.70
4267416.30        0.06361
         608105.70    4267416.30        0.06201                    608110.70
4267416.30        0.06032
         608115.70    4267416.30        0.05856                    608120.70
4267416.30        0.05671
         608125.70    4267416.30        0.05480                    608130.70
4267416.30        0.05284
         608135.70    4267416.30        0.05082                    608140.70
4267416.30        0.04878
         608145.70    4267416.30        0.04672                    608150.70
4267416.30        0.04467
         608155.70    4267416.30        0.04263                    608055.70
4267421.30        0.07010
         608060.70    4267421.30        0.06938                    608065.70
4267421.30        0.06857
         608070.70    4267421.30        0.06767                    608075.70
4267421.30        0.06668
         608080.70    4267421.30        0.06560                    608085.70
4267421.30        0.06443
         608090.70    4267421.30        0.06317                    608095.70
4267421.30        0.06182
         608100.70    4267421.30        0.06039                    608105.70
4267421.30        0.05887
```

UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 71
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608110.70	4267421.30	0.05728	608115.70	4267421.30	0.05562
608120.70	4267421.30	0.05389	608125.70	4267421.30	0.05210
608130.70	4267421.30	0.05026	608135.70	4267421.30	0.04838
608140.70	4267421.30	0.04648	608145.70	4267421.30	0.04457
608150.70	4267421.30	0.04266	608155.70	4267421.30	0.04076
607829.90	4267188.00	0.02113	607834.90	4267188.00	0.02214
607839.90	4267188.00	0.02324	607844.90	4267188.00	0.02445
607849.90	4267188.00	0.02576	607854.90	4267188.00	0.02719
607859.90	4267188.00	0.02877	607864.90	4267188.00	0.03051
607869.90	4267188.00	0.03243	607874.90	4267188.00	0.03457
607879.90	4267188.00	0.03695	607829.90	4267193.00	0.02149
607834.90	4267193.00	0.02255	607839.90	4267193.00	0.02370

UMAll_AERMOD_output file

```
         607844.90    4267193.00        0.02495                    607849.90
4267193.00        0.02632
         607854.90    4267193.00        0.02783                    607859.90
4267193.00        0.02949
         607864.90    4267193.00        0.03132                    607869.90
4267193.00        0.03336
         607874.90    4267193.00        0.03563                    607879.90
4267193.00        0.03817
         607829.90    4267198.00        0.02185                    607834.90
4267198.00        0.02295
         607839.90    4267198.00        0.02415                    607844.90
4267198.00        0.02545
         607849.90    4267198.00        0.02689                    607854.90
4267198.00        0.02847
         607859.90    4267198.00        0.03022                    607864.90
4267198.00        0.03216
         607869.90    4267198.00        0.03431                    607874.90
4267198.00        0.03673
         607879.90    4267198.00        0.03943                    607839.90
4267203.00        0.02460
         607844.90    4267203.00        0.02596                    607849.90
4267203.00        0.02746
         607854.90    4267203.00        0.02912                    607859.90
4267203.00        0.03096
         607864.90    4267203.00        0.03300                    607869.90
4267203.00        0.03529
         607874.90    4267203.00        0.03785                    607879.90
4267203.00        0.04073
         607839.90    4267208.00        0.02506                    607844.90
4267208.00        0.02648
         607849.90    4267208.00        0.02805                    607854.90
4267208.00        0.02978
         607859.90    4267208.00        0.03171                    607864.90
4267208.00        0.03387
         607869.90    4267208.00        0.03629                    607874.90
4267208.00        0.03900
         607879.90    4267208.00        0.04207                    607839.90
4267213.00        0.02551
         607844.90    4267213.00        0.02700                    607849.90
4267213.00        0.02863
         607854.90    4267213.00        0.03045                    607859.90
4267213.00        0.03248
         607864.90    4267213.00        0.03476                    607869.90
4267213.00        0.03731
         607874.90    4267213.00        0.04020                    607879.90
4267213.00        0.04347
         607839.90    4267218.00        0.02598                    607844.90
4267218.00        0.02752
```

UMAll_AERMOD_output file

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         607849.90    4267218.00        0.02923                       607854.90
4267218.00        0.03114
         607859.90    4267218.00        0.03327                       607864.90
4267218.00        0.03567
         607869.90    4267218.00        0.03837                       607874.90
4267218.00        0.04144
         607879.90    4267218.00        0.04492                       607839.90
4267223.00        0.02644
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607844.90    4267223.00        0.02805                       607849.90
4267223.00        0.02983
         607854.90    4267223.00        0.03183                       607859.90
4267223.00        0.03407
         607864.90    4267223.00        0.03660                       607869.90
4267223.00        0.03946
         607874.90    4267223.00        0.04272                       607879.90
4267223.00        0.04643
         607839.90    4267228.00        0.02691                       607844.90
4267228.00        0.02858
         607849.90    4267228.00        0.03044                       607854.90
4267228.00        0.03253
         607859.90    4267228.00        0.03488                       607864.90
4267228.00        0.03755
         607869.90    4267228.00        0.04058                       607874.90
4267228.00        0.04405
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UMAll_AERMOD_output file

```
         607879.90    4267228.00        0.04801                    607839.90
4267233.00        0.02738
         607844.90    4267233.00        0.02912                    607849.90
4267233.00        0.03106
         607854.90    4267233.00        0.03324                    607859.90
4267233.00        0.03571
         607864.90    4267233.00        0.03852                    607869.90
4267233.00        0.04173
         607874.90    4267233.00        0.04542                    607879.90
4267233.00        0.04966
         607839.90    4267238.00        0.02785                    607844.90
4267238.00        0.02965
         607849.90    4267238.00        0.03168                    607854.90
4267238.00        0.03395
         607859.90    4267238.00        0.03654                    607864.90
4267238.00        0.03950
         607869.90    4267238.00        0.04290                    607874.90
4267238.00        0.04682
         607879.90    4267238.00        0.05136                    607839.90
4267243.00        0.02832
         607844.90    4267243.00        0.03019                    607849.90
4267243.00        0.03229
         607854.90    4267243.00        0.03467                    607859.90
4267243.00        0.03738
         607864.90    4267243.00        0.04049                    607869.90
4267243.00        0.04407
         607874.90    4267243.00        0.04824                    607879.90
4267243.00        0.05309
         607839.90    4267248.00        0.02878                    607844.90
4267248.00        0.03071
         607849.90    4267248.00        0.03290                    607854.90
4267248.00        0.03537
         607859.90    4267248.00        0.03820                    607864.90
4267248.00        0.04146
         607869.90    4267248.00        0.04524                    607874.90
4267248.00        0.04965
         607879.90    4267248.00        0.05481                    607839.90
4267253.00        0.02923
         607844.90    4267253.00        0.03123                    607849.90
4267253.00        0.03349
         607854.90    4267253.00        0.03606                    607859.90
4267253.00        0.03901
         607864.90    4267253.00        0.04242                    607869.90
4267253.00        0.04638
         607874.90    4267253.00        0.05101                    607879.90
4267253.00        0.05646
         607839.90    4267258.00        0.02967                    607844.90
4267258.00        0.03173
```

UMAll_AERMOD_output file

```
         607849.90    4267258.00        0.03407                        607854.90
4267258.00        0.03673
         607859.90    4267258.00        0.03979                        607864.90
4267258.00        0.04333
         607869.90    4267258.00        0.04746                        607874.90
4267258.00        0.05230
         607879.90    4267258.00        0.05799                        607839.90
4267263.00        0.03009
         607844.90    4267263.00        0.03222                        607849.90
4267263.00        0.03463
         607854.90    4267263.00        0.03738                        607859.90
4267263.00        0.04054
         607864.90    4267263.00        0.04421                        607869.90
4267263.00        0.04848
         607874.90    4267263.00        0.05349                        607879.90
4267263.00        0.05939
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607839.90    4267268.00        0.03050                        607844.90
4267268.00        0.03268
         607849.90    4267268.00        0.03516                        607854.90
4267268.00        0.03799
         607859.90    4267268.00        0.04125                        607864.90
4267268.00        0.04503
         607869.90    4267268.00        0.04944                        607874.90
4267268.00        0.05460
```

UMAll_AERMOD_output file

```
         607879.90    4267268.00        0.06066                       607839.90
4267273.00        0.03089
         607844.90    4267273.00        0.03312                       607849.90
4267273.00        0.03567
         607854.90    4267273.00        0.03858                       607859.90
4267273.00        0.04193
         607864.90    4267273.00        0.04581                       607869.90
4267273.00        0.05033
         607874.90    4267273.00        0.05561                       607879.90
4267273.00        0.06180
         607839.90    4267278.00        0.03125                       607844.90
4267278.00        0.03354
         607849.90    4267278.00        0.03615                       607854.90
4267278.00        0.03913
         607859.90    4267278.00        0.04257                       607864.90
4267278.00        0.04655
         607869.90    4267278.00        0.05117                       607874.90
4267278.00        0.05656
         607879.90    4267278.00        0.06284                       607868.80
4267305.40        0.05406
         607873.80    4267305.40        0.06006                       607878.80
4267305.40        0.03607
         607868.80    4267310.40        0.05463                       607873.80
4267310.40        0.06080
         607878.80    4267310.40        0.03580                       607828.80
4267315.40        0.02862
         607833.80    4267315.40        0.03052                       607838.80
4267315.40        0.03268
         607843.80    4267315.40        0.03515                       607848.80
4267315.40        0.03800
         607863.80    4267315.40        0.04967                       607868.80
4267315.40        0.05499
         607873.80    4267315.40        0.06124                       607878.80
4267315.40        0.03549
         607823.80    4267320.40        0.02704                       607828.80
4267320.40        0.02873
         607833.80    4267320.40        0.03063                       607838.80
4267320.40        0.03280
         607843.80    4267320.40        0.03527                       607848.80
4267320.40        0.03811
         607853.80    4267320.40        0.04141                       607858.80
4267320.40        0.04526
         607863.80    4267320.40        0.04978                       607868.80
4267320.40        0.05507
         607873.80    4267320.40        0.06129                       607823.80
4267325.40        0.02712
         607828.80    4267325.40        0.02881                       607833.80
4267325.40        0.03071
```

UMAll_AERMOD_output file

```
         607838.80    4267325.40        0.03286                        607843.80
4267325.40        0.03532
         607848.80    4267325.40        0.03815                        607853.80
4267325.40        0.04143
         607858.80    4267325.40        0.04524                        607863.80
4267325.40        0.04970
         607868.80    4267325.40        0.05492                        607873.80
4267325.40        0.06102
         607818.80    4267330.40        0.02567                        607823.80
4267330.40        0.02717
         607828.80    4267330.40        0.02885                        607833.80
4267330.40        0.03074
         607838.80    4267330.40        0.03288                        607843.80
4267330.40        0.03532
         607848.80    4267330.40        0.03812                        607853.80
4267330.40        0.04135
         607858.80    4267330.40        0.04511                        607863.80
4267330.40        0.04947
         607868.80    4267330.40        0.05455                        607873.80
4267330.40        0.06046
         607818.80    4267335.40        0.02570                        607823.80
4267335.40        0.02719
         607828.80    4267335.40        0.02886                        607833.80
4267335.40        0.03073
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                    PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_output file

```
         607838.80    4267335.40        0.03285                    607843.80
4267335.40        0.03526
         607848.80    4267335.40        0.03802                    607853.80
4267335.40        0.04119
         607858.80    4267335.40        0.04485                    607863.80
4267335.40        0.04909
         607868.80    4267335.40        0.05399                    607813.80
4267340.40        0.02436
         607818.80    4267340.40        0.02570                    607823.80
4267340.40        0.02718
         607828.80    4267340.40        0.02883                    607833.80
4267340.40        0.03068
         607838.80    4267340.40        0.03278                    607843.80
4267340.40        0.03515
         607848.80    4267340.40        0.03785                    607853.80
4267340.40        0.04095
         607858.80    4267340.40        0.04450                    607863.80
4267340.40        0.04859
         607868.80    4267340.40        0.05329                    607813.80
4267345.40        0.02434
         607818.80    4267345.40        0.02566                    607823.80
4267345.40        0.02713
         607828.80    4267345.40        0.02877                    607833.80
4267345.40        0.03059
         607838.80    4267345.40        0.03265                    607843.80
4267345.40        0.03497
         607848.80    4267345.40        0.03761                    607853.80
4267345.40        0.04062
         607858.80    4267345.40        0.04406                    607863.80
4267345.40        0.04798
         607813.80    4267350.40        0.02429                    607818.80
4267350.40        0.02560
         607823.80    4267350.40        0.02705                    607828.80
4267350.40        0.02866
         607833.80    4267350.40        0.03046                    607838.80
4267350.40        0.03248
         607843.80    4267350.40        0.03475                    607848.80
4267350.40        0.03732
         607853.80    4267350.40        0.04023                    607858.80
4267350.40        0.04353
         607863.80    4267350.40        0.04727                    607818.80
4267355.40        0.02551
         607823.80    4267355.40        0.02694                    607828.80
4267355.40        0.02852
         607833.80    4267355.40        0.03029                    607838.80
4267355.40        0.03226
         607843.80    4267355.40        0.03447                    607848.80
4267355.40        0.03696
```

UMAll_AERMOD_output file

```
         607853.80    4267355.40        0.03977                        607858.80
4267355.40        0.04293
         607863.80    4267355.40        0.04649                        607828.80
4267360.40        0.02835
         607833.80    4267360.40        0.03008                        607838.80
4267360.40        0.03200
         607843.80    4267360.40        0.03415                        607848.80
4267360.40        0.03656
         607853.80    4267360.40        0.03926                        607858.80
4267360.40        0.04228
         607833.80    4267365.40        0.02983                        607838.80
4267365.40        0.03170
         607843.80    4267365.40        0.03379                        607848.80
4267365.40        0.03611
         607853.80    4267365.40        0.03870                        607858.80
4267365.40        0.04157
         607843.80    4267370.40        0.03338                        607848.80
4267370.40        0.03562
         607853.80    4267370.40        0.03810                        607853.80
4267375.40        0.03746
         608197.70    4267245.00        0.06104                        608202.70
4267245.00        0.05587
         608207.70    4267245.00        0.05121                        608212.70
4267245.00        0.04700
         608217.70    4267245.00        0.04321                        608222.70
4267245.00        0.03981
         608227.70    4267245.00        0.03675                        608232.70
4267245.00        0.03400
         608237.70    4267245.00        0.03153                        608242.70
4267245.00        0.02930
         608247.70    4267245.00        0.02730                        608192.70
4267250.00        0.06774
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608197.70	4267250.00	0.06172	608202.70	4267250.00	0.05630
608207.70	4267250.00	0.05143	608212.70	4267250.00	0.04707
608217.70	4267250.00	0.04317	608222.70	4267250.00	0.03968
608227.70	4267250.00	0.03656	608232.70	4267250.00	0.03377
608237.70	4267250.00	0.03128	608242.70	4267250.00	0.02904
608247.70	4267250.00	0.02704	608192.70	4267255.00	0.06868
608197.70	4267255.00	0.06235	608202.70	4267255.00	0.05667
608207.70	4267255.00	0.05160	608212.70	4267255.00	0.04709
608217.70	4267255.00	0.04308	608222.70	4267255.00	0.03951
608227.70	4267255.00	0.03634	608232.70	4267255.00	0.03352
608237.70	4267255.00	0.03100	608242.70	4267255.00	0.02876
608247.70	4267255.00	0.02676	608222.70	4267260.00	0.03929
608227.70	4267260.00	0.03607	608232.70	4267260.00	0.03323
608237.70	4267260.00	0.03071	608242.70	4267260.00	0.02847
608247.70	4267260.00	0.02647	608222.70	4267265.00	0.03902
608227.70	4267265.00	0.03577	608232.70	4267265.00	0.03291
608237.70	4267265.00	0.03039	608242.70	4267265.00	0.02816
608247.70	4267265.00	0.02617	608222.70	4267270.00	0.03871
608227.70	4267270.00	0.03544	608232.70	4267270.00	0.03257
608237.70	4267270.00	0.03006	608242.70	4267270.00	0.02784

UMAll_AERMOD_output file

```
         608247.70    4267270.00        0.02587                        608222.70
4267275.00        0.03835
         608227.70    4267275.00        0.03507                        608232.70
4267275.00        0.03221
         608237.70    4267275.00        0.02971                        608242.70
4267275.00        0.02751
         608247.70    4267275.00        0.02556                        608222.70
4267280.00        0.03795
         608227.70    4267280.00        0.03467                        608232.70
4267280.00        0.03183
         608237.70    4267280.00        0.02935                        608242.70
4267280.00        0.02717
         608247.70    4267280.00        0.02526                        608222.70
4267285.00        0.03750
         608227.70    4267285.00        0.03425                        608232.70
4267285.00        0.03143
         608237.70    4267285.00        0.02898                        608242.70
4267285.00        0.02684
         608247.70    4267285.00        0.02495                        608222.70
4267290.00        0.03702
         608227.70    4267290.00        0.03380                        608232.70
4267290.00        0.03102
         608237.70    4267290.00        0.02861                        608242.70
4267290.00        0.02650
         608247.70    4267290.00        0.02465                        608222.70
4267295.00        0.03649
         608227.70    4267295.00        0.03333                        608232.70
4267295.00        0.03060
         608237.70    4267295.00        0.02823                        608242.70
4267295.00        0.02617
         608247.70    4267295.00        0.02436                        608222.70
4267300.00        0.03594
         608227.70    4267300.00        0.03284                        608232.70
4267300.00        0.03017
         608237.70    4267300.00        0.02786                        608242.70
4267300.00        0.02584
         608247.70    4267300.00        0.02406                        608222.70
4267305.00        0.03535
         608227.70    4267305.00        0.03233                        608232.70
4267305.00        0.02973
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608237.70	4267305.00	0.02748	608242.70	4267305.00	0.02551
608247.70	4267305.00	0.02378	608222.70	4267310.00	0.03474
608227.70	4267310.00	0.03181	608232.70	4267310.00	0.02929
608237.70	4267310.00	0.02710	608242.70	4267310.00	0.02518
608247.70	4267310.00	0.02349	608192.70	4267315.00	0.02694
608197.70	4267315.00	0.05702	608202.70	4267315.00	0.05092
608207.70	4267315.00	0.04569	608212.70	4267315.00	0.04121
608217.70	4267315.00	0.03738	608222.70	4267315.00	0.03410
608227.70	4267315.00	0.03128	608232.70	4267315.00	0.02885
608237.70	4267315.00	0.02672	608242.70	4267315.00	0.02486
608247.70	4267315.00	0.02321	608192.70	4267320.00	0.02646
608197.70	4267320.00	0.05526	608202.70	4267320.00	0.04948
608207.70	4267320.00	0.04451	608212.70	4267320.00	0.04025
608217.70	4267320.00	0.03660	608222.70	4267320.00	0.03346
608227.70	4267320.00	0.03075	608232.70	4267320.00	0.02840
608237.70	4267320.00	0.02634	608242.70	4267320.00	0.02454

UMAll_AERMOD_output file

```
         608247.70    4267320.00        0.02294                    608192.70
4267325.00        0.05974
         608197.70    4267325.00        0.05345                    608202.70
4267325.00        0.04801
         608207.70    4267325.00        0.04332                    608212.70
4267325.00        0.03928
         608217.70    4267325.00        0.03581                    608222.70
4267325.00        0.03281
         608227.70    4267325.00        0.03021                    608232.70
4267325.00        0.02795
         608237.70    4267325.00        0.02597                    608242.70
4267325.00        0.02421
         608247.70    4267325.00        0.02266                    608192.70
4267330.00        0.05748
         608197.70    4267330.00        0.05161                    608202.70
4267330.00        0.04652
         608207.70    4267330.00        0.04211                    608212.70
4267330.00        0.03830
         608217.70    4267330.00        0.03501                    608222.70
4267330.00        0.03216
         608227.70    4267330.00        0.02967                    608232.70
4267330.00        0.02750
         608237.70    4267330.00        0.02558                    608242.70
4267330.00        0.02389
         608247.70    4267330.00        0.02238                    608252.70
4267330.00        0.02103
         608192.70    4267335.00        0.05521                    608197.70
4267335.00        0.04976
         608202.70    4267335.00        0.04502                    608207.70
4267335.00        0.04089
         608212.70    4267335.00        0.03731                    608217.70
4267335.00        0.03421
         608222.70    4267335.00        0.03150                    608227.70
4267335.00        0.02913
         608232.70    4267335.00        0.02704                    608237.70
4267335.00        0.02520
         608242.70    4267335.00        0.02356                    608247.70
4267335.00        0.02210
         608252.70    4267335.00        0.02078                    608192.70
4267340.00        0.05296
         608197.70    4267340.00        0.04793                    608202.70
4267340.00        0.04353
         608207.70    4267340.00        0.03968                    608212.70
4267340.00        0.03633
         608217.70    4267340.00        0.03340                    608222.70
4267340.00        0.03083
         608227.70    4267340.00        0.02858                    608232.70
4267340.00        0.02658
```

UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 77
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608237.70	4267340.00	0.02481	608242.70	4267340.00	0.02323
608247.70	4267340.00	0.02181	608252.70	4267340.00	0.02054
608257.70	4267340.00	0.01938	608192.70	4267345.00	0.05076
608197.70	4267345.00	0.04613	608202.70	4267345.00	0.04206
608207.70	4267345.00	0.03849	608212.70	4267345.00	0.03535
608217.70	4267345.00	0.03260	608222.70	4267345.00	0.03017
608227.70	4267345.00	0.02803	608232.70	4267345.00	0.02612
608237.70	4267345.00	0.02442	608242.70	4267345.00	0.02290
608247.70	4267345.00	0.02152	608252.70	4267345.00	0.02028
608257.70	4267345.00	0.01915	608192.70	4267350.00	0.04863
608197.70	4267350.00	0.04439	608202.70	4267350.00	0.04063
608207.70	4267350.00	0.03732	608212.70	4267350.00	0.03439

UMAll_AERMOD_output file

```
         608217.70    4267350.00        0.03180                    608222.70
4267350.00        0.02951
         608227.70    4267350.00        0.02747                    608232.70
4267350.00        0.02565
         608237.70    4267350.00        0.02402                    608242.70
4267350.00        0.02256
         608192.70    4267355.00        0.04659                    608197.70
4267355.00        0.04271
         608202.70    4267355.00        0.03925                    608207.70
4267355.00        0.03617
         608212.70    4267355.00        0.03344                    608217.70
4267355.00        0.03102
         607915.30    4267056.40        0.02184                    607920.30
4267056.40        0.02257
         607925.30    4267056.40        0.02332                    607930.30
4267056.40        0.02407
         607935.30    4267056.40        0.02483                    607940.30
4267056.40        0.02560
         607945.30    4267056.40        0.02637                    607950.30
4267056.40        0.02715
         607955.30    4267056.40        0.02793                    607960.30
4267056.40        0.02872
         607965.30    4267056.40        0.02950                    607970.30
4267056.40        0.03028
         607975.30    4267056.40        0.03106                    607980.30
4267056.40        0.03184
         607985.30    4267056.40        0.03260                    607915.30
4267061.40        0.02246
         607920.30    4267061.40        0.02323                    607925.30
4267061.40        0.02401
         607930.30    4267061.40        0.02481                    607935.30
4267061.40        0.02561
         607940.30    4267061.40        0.02642                    607945.30
4267061.40        0.02724
         607950.30    4267061.40        0.02806                    607955.30
4267061.40        0.02889
         607960.30    4267061.40        0.02972                    607965.30
4267061.40        0.03055
         607970.30    4267061.40        0.03138                    607975.30
4267061.40        0.03221
         607980.30    4267061.40        0.03303                    607985.30
4267061.40        0.03384
         607915.30    4267066.40        0.02312                    607920.30
4267066.40        0.02393
         607925.30    4267066.40        0.02475                    607930.30
4267066.40        0.02559
         607935.30    4267066.40        0.02644                    607940.30
4267066.40        0.02730
```

UMAll_AERMOD_output file

```
         607945.30    4267066.40        0.02816                        607950.30
4267066.40        0.02904
         607955.30    4267066.40        0.02991                        607960.30
4267066.40        0.03079
         607965.30    4267066.40        0.03167                        607970.30
4267066.40        0.03255
         607975.30    4267066.40        0.03343                        607980.30
4267066.40        0.03430
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607985.30    4267066.40        0.03516                        607915.30
4267071.40        0.02381
         607920.30    4267071.40        0.02466                        607925.30
4267071.40        0.02554
         607930.30    4267071.40        0.02642                        607935.30
4267071.40        0.02732
         607940.30    4267071.40        0.02823                        607945.30
4267071.40        0.02915
         607950.30    4267071.40        0.03007                        607955.30
4267071.40        0.03100
         607960.30    4267071.40        0.03193                        607965.30
4267071.40        0.03287
         607970.30    4267071.40        0.03380                        607975.30
4267071.40        0.03473
         607980.30    4267071.40        0.03565                        607985.30
4267071.40        0.03657
```

UMAll_AERMOD_output file

```
         607915.30    4267076.40        0.02454                    607920.30
4267076.40        0.02545
         607925.30    4267076.40        0.02637                    607930.30
4267076.40        0.02731
         607935.30    4267076.40        0.02826                    607940.30
4267076.40        0.02922
         607945.30    4267076.40        0.03019                    607950.30
4267076.40        0.03118
         607955.30    4267076.40        0.03216                    607960.30
4267076.40        0.03316
         607965.30    4267076.40        0.03415                    607970.30
4267076.40        0.03514
         607975.30    4267076.40        0.03613                    607980.30
4267076.40        0.03711
         607985.30    4267076.40        0.03808                    607915.30
4267081.40        0.02532
         607920.30    4267081.40        0.02627                    607925.30
4267081.40        0.02725
         607930.30    4267081.40        0.02824                    607935.30
4267081.40        0.02925
         607940.30    4267081.40        0.03028                    607945.30
4267081.40        0.03131
         607950.30    4267081.40        0.03236                    607955.30
4267081.40        0.03341
         607960.30    4267081.40        0.03447                    607965.30
4267081.40        0.03552
         607970.30    4267081.40        0.03658                    607975.30
4267081.40        0.03763
         607980.30    4267081.40        0.03867                    607985.30
4267081.40        0.03970
         607915.30    4267086.40        0.02614                    607920.30
4267086.40        0.02715
         607925.30    4267086.40        0.02819                    607930.30
4267086.40        0.02924
         607935.30    4267086.40        0.03032                    607940.30
4267086.40        0.03141
         607945.30    4267086.40        0.03251                    607950.30
4267086.40        0.03363
         607955.30    4267086.40        0.03475                    607960.30
4267086.40        0.03587
         607965.30    4267086.40        0.03700                    607970.30
4267086.40        0.03812
         607975.30    4267086.40        0.03924                    607980.30
4267086.40        0.04035
         607985.30    4267086.40        0.04144                    607915.30
4267091.40        0.02701
         607920.30    4267091.40        0.02809                    607925.30
4267091.40        0.02919
```

UMAll_AERMOD_output file

```
         607930.30    4267091.40        0.03031                        607935.30
4267091.40        0.03146
         607940.30    4267091.40        0.03262                        607945.30
4267091.40        0.03380
         607950.30    4267091.40        0.03499                        607955.30
4267091.40        0.03619
         607960.30    4267091.40        0.03739                        607965.30
4267091.40        0.03859
         607970.30    4267091.40        0.03979                        607975.30
4267091.40        0.04098
         607980.30    4267091.40        0.04216                        607985.30
4267091.40        0.04332
         607915.30    4267096.40        0.02794                        607920.30
4267096.40        0.02908
         607925.30    4267096.40        0.03025                        607930.30
4267096.40        0.03145
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607935.30    4267096.40        0.03268                        607940.30
4267096.40        0.03392
         607945.30    4267096.40        0.03518                        607950.30
4267096.40        0.03646
         607955.30    4267096.40        0.03774                        607960.30
4267096.40        0.03902
         607965.30    4267096.40        0.04031                        607970.30
4267096.40        0.04159
```

UMAll_AERMOD_output file

```
         607975.30    4267096.40        0.04286                    607980.30
4267096.40        0.04412
         607985.30    4267096.40        0.04535                    607915.30
4267101.40        0.02892
         607920.30    4267101.40        0.03014                    607925.30
4267101.40        0.03139
         607930.30    4267101.40        0.03268                    607935.30
4267101.40        0.03399
         607940.30    4267101.40        0.03532                    607945.30
4267101.40        0.03667
         607950.30    4267101.40        0.03804                    607955.30
4267101.40        0.03942
         607960.30    4267101.40        0.04079                    607965.30
4267101.40        0.04217
         607970.30    4267101.40        0.04354                    607975.30
4267101.40        0.04490
         607980.30    4267101.40        0.04624                    607985.30
4267101.40        0.04755
         607915.30    4267106.40        0.02998                    607920.30
4267106.40        0.03128
         607925.30    4267106.40        0.03262                    607930.30
4267106.40        0.03399
         607935.30    4267106.40        0.03540                    607940.30
4267106.40        0.03683
         607945.30    4267106.40        0.03829                    607950.30
4267106.40        0.03975
         607955.30    4267106.40        0.04123                    607960.30
4267106.40        0.04271
         607965.30    4267106.40        0.04419                    607970.30
4267106.40        0.04566
         607975.30    4267106.40        0.04711                    607980.30
4267106.40        0.04854
         607985.30    4267106.40        0.04994                    608194.80
4267085.20        0.03679
         608199.80    4267085.20        0.03576                    608304.80
4267085.20        0.01758
         608309.80    4267085.20        0.01696                    608314.80
4267085.20        0.01636
         608184.80    4267090.20        0.03982                    608189.80
4267090.20        0.03873
         608194.80    4267090.20        0.03763                    608199.80
4267090.20        0.03653
         608204.80    4267090.20        0.03544                    608209.80
4267090.20        0.03435
         608304.80    4267090.20        0.01759                    608309.80
4267090.20        0.01696
         608314.80    4267090.20        0.01634                    608319.80
4267090.20        0.01575
```

UMAll_AERMOD_output file

```
         608324.80    4267090.20        0.01519                        608179.80
4267095.20        0.04200
         608184.80    4267095.20        0.04083                        608189.80
4267095.20        0.03965
         608194.80    4267095.20        0.03848                        608199.80
4267095.20        0.03731
         608204.80    4267095.20        0.03615                        608209.80
4267095.20        0.03500
         608214.80    4267095.20        0.03387                        608304.80
4267095.20        0.01759
         608309.80    4267095.20        0.01694                        608314.80
4267095.20        0.01632
         608319.80    4267095.20        0.01572                        608324.80
4267095.20        0.01515
         608179.80    4267100.20        0.04311                        608184.80
4267100.20        0.04185
         608189.80    4267100.20        0.04059                        608194.80
4267100.20        0.03934
         608199.80    4267100.20        0.03809                        608204.80
4267100.20        0.03686
         608209.80    4267100.20        0.03564                        608214.80
4267100.20        0.03445
         608219.80    4267100.20        0.03327                        608224.80
4267100.20        0.03212
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                    PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_output file

```
         608229.80    4267100.20        0.03099                    608299.80
4267100.20        0.01827
         608304.80    4267100.20        0.01758                    608309.80
4267100.20        0.01692
         608314.80    4267100.20        0.01629                    608319.80
4267100.20        0.01568
         608324.80    4267100.20        0.01510                    608184.80
4267105.20        0.04289
         608189.80    4267105.20        0.04154                    608194.80
4267105.20        0.04020
         608199.80    4267105.20        0.03888                    608204.80
4267105.20        0.03757
         608209.80    4267105.20        0.03629                    608214.80
4267105.20        0.03502
         608219.80    4267105.20        0.03379                    608224.80
4267105.20        0.03258
         608229.80    4267105.20        0.03140                    608234.80
4267105.20        0.03025
         608239.80    4267105.20        0.02913                    608244.80
4267105.20        0.02804
         608299.80    4267105.20        0.01826                    608304.80
4267105.20        0.01756
         608309.80    4267105.20        0.01689                    608314.80
4267105.20        0.01624
         608319.80    4267105.20        0.01563                    608184.80
4267110.20        0.04395
         608189.80    4267110.20        0.04250                    608194.80
4267110.20        0.04108
         608199.80    4267110.20        0.03967                    608204.80
4267110.20        0.03829
         608209.80    4267110.20        0.03693                    608214.80
4267110.20        0.03559
         608219.80    4267110.20        0.03429                    608224.80
4267110.20        0.03302
         608229.80    4267110.20        0.03179                    608234.80
4267110.20        0.03059
         608239.80    4267110.20        0.02942                    608244.80
4267110.20        0.02829
         608249.80    4267110.20        0.02720                    608254.80
4267110.20        0.02614
         608259.80    4267110.20        0.02512                    608264.80
4267110.20        0.02414
         608269.80    4267110.20        0.02319                    608274.80
4267110.20        0.02228
         608279.80    4267110.20        0.02140                    608284.80
4267110.20        0.02056
         608289.80    4267110.20        0.01975                    608294.80
4267110.20        0.01898
```

UMAll_AERMOD_output file

```
         608299.80    4267110.20        0.01823                        608304.80
4267110.20        0.01752
         608309.80    4267110.20        0.01684                        608314.80
4267110.20        0.01619
         608319.80    4267110.20        0.01557                        608189.80
4267115.20        0.04348
         608194.80    4267115.20        0.04196                        608199.80
4267115.20        0.04046
         608204.80    4267115.20        0.03900                        608209.80
4267115.20        0.03756
         608214.80    4267115.20        0.03616                        608219.80
4267115.20        0.03479
         608224.80    4267115.20        0.03346                        608229.80
4267115.20        0.03217
         608234.80    4267115.20        0.03092                        608239.80
4267115.20        0.02970
         608244.80    4267115.20        0.02853                        608249.80
4267115.20        0.02740
         608254.80    4267115.20        0.02631                        608259.80
4267115.20        0.02525
         608264.80    4267115.20        0.02424                        608269.80
4267115.20        0.02327
         608274.80    4267115.20        0.02233                        608279.80
4267115.20        0.02143
         608284.80    4267115.20        0.02057                        608289.80
4267115.20        0.01975
         608294.80    4267115.20        0.01896                        608299.80
4267115.20        0.01820
         608304.80    4267115.20        0.01748                        608309.80
4267115.20        0.01679
         608314.80    4267115.20        0.01613                        608189.80
4267120.20        0.04446
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                    PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                     INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608194.80	4267120.20	0.04284	608199.80	4267120.20	0.04125
608204.80	4267120.20	0.03970	608209.80	4267120.20	0.03818
608214.80	4267120.20	0.03671	608219.80	4267120.20	0.03527
608224.80	4267120.20	0.03388	608229.80	4267120.20	0.03253
608234.80	4267120.20	0.03123	608239.80	4267120.20	0.02997
608244.80	4267120.20	0.02875	608249.80	4267120.20	0.02758
608254.80	4267120.20	0.02645	608259.80	4267120.20	0.02537
608264.80	4267120.20	0.02433	608269.80	4267120.20	0.02333
608274.80	4267120.20	0.02237	608279.80	4267120.20	0.02145
608284.80	4267120.20	0.02057	608289.80	4267120.20	0.01973
608294.80	4267120.20	0.01892	608299.80	4267120.20	0.01816
608304.80	4267120.20	0.01742	608309.80	4267120.20	0.01672
608314.80	4267120.20	0.01606	608204.80	4267125.20	0.04040
608209.80	4267125.20	0.03880	608214.80	4267125.20	0.03725
608219.80	4267125.20	0.03574	608224.80	4267125.20	0.03429
608229.80	4267125.20	0.03288	608234.80	4267125.20	0.03152
608239.80	4267125.20	0.03022	608244.80	4267125.20	0.02896
608249.80	4267125.20	0.02775	608254.80	4267125.20	0.02658
608259.80	4267125.20	0.02547	608264.80	4267125.20	0.02440
608269.80	4267125.20	0.02337	608274.80	4267125.20	0.02239

UMAll_AERMOD_output file

```
         608279.80    4267125.20        0.02145                        608284.80
4267125.20        0.02055
         608289.80    4267125.20        0.01970                        608294.80
4267125.20        0.01888
         608299.80    4267125.20        0.01810                        608304.80
4267125.20        0.01736
         608309.80    4267125.20        0.01665                        608314.80
4267125.20        0.01598
         608224.80    4267130.20        0.03468                        608229.80
4267130.20        0.03322
         608234.80    4267130.20        0.03180                        608239.80
4267130.20        0.03045
         608244.80    4267130.20        0.02914                        608249.80
4267130.20        0.02789
         608254.80    4267130.20        0.02670                        608259.80
4267130.20        0.02555
         608264.80    4267130.20        0.02445                        608269.80
4267130.20        0.02340
         608274.80    4267130.20        0.02240                        608279.80
4267130.20        0.02144
         608284.80    4267130.20        0.02052                        608289.80
4267130.20        0.01965
         608294.80    4267130.20        0.01882                        608299.80
4267130.20        0.01803
         608304.80    4267130.20        0.01728                        608309.80
4267130.20        0.01657
         608160.00    4267047.10        0.03480                        608165.00
4267047.10        0.03428
         608170.00    4267047.10        0.03374                        608175.00
4267047.10        0.03319
         608180.00    4267047.10        0.03261                        608185.00
4267047.10        0.03202
         608190.00    4267047.10        0.03141                        608195.00
4267047.10        0.03079
         608200.00    4267047.10        0.03017                        608205.00
4267047.10        0.02953
         608210.00    4267047.10        0.02888                        608215.00
4267047.10        0.02823
         608165.00    4267052.10        0.03528                        608170.00
4267052.10        0.03470
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608175.00	4267052.10	0.03409	608180.00	4267052.10	0.03347
608185.00	4267052.10	0.03284	608190.00	4267052.10	0.03219
608195.00	4267052.10	0.03153	608200.00	4267052.10	0.03086
608205.00	4267052.10	0.03018	608210.00	4267052.10	0.02949
608215.00	4267052.10	0.02880	608220.00	4267052.10	0.02810
608165.00	4267057.10	0.03631	608170.00	4267057.10	0.03568
608175.00	4267057.10	0.03503	608180.00	4267057.10	0.03436
608185.00	4267057.10	0.03368	608190.00	4267057.10	0.03298
608195.00	4267057.10	0.03227	608200.00	4267057.10	0.03156
608205.00	4267057.10	0.03083	608210.00	4267057.10	0.03010
608215.00	4267057.10	0.02937	608220.00	4267057.10	0.02864
608165.00	4267062.10	0.03737	608170.00	4267062.10	0.03669
608175.00	4267062.10	0.03599	608180.00	4267062.10	0.03527
608185.00	4267062.10	0.03454	608190.00	4267062.10	0.03379
608195.00	4267062.10	0.03304	608200.00	4267062.10	0.03227
608205.00	4267062.10	0.03150	608210.00	4267062.10	0.03072

UMAll_AERMOD_output file

```
         608215.00    4267062.10        0.02995                    608220.00
4267062.10        0.02917
         608200.00    4267067.10        0.03300                    608205.00
4267067.10        0.03218
         608210.00    4267067.10        0.03135                    608215.00
4267067.10        0.03053
         608220.00    4267067.10        0.02971                    608136.20
4267335.60        0.06048
         608141.20    4267335.60        0.05426                    608146.20
4267335.60        0.04874
         608151.20    4267335.60        0.04410                    608136.20
4267340.60        0.05764
         608141.20    4267340.60        0.05195                    608146.20
4267340.60        0.04698
         608151.20    4267340.60        0.04273                    608071.20
4267345.60        0.10205
         608076.20    4267345.60        0.10184                    608081.20
4267345.60        0.10274
         608086.20    4267345.60        0.06152                    608091.20
4267345.60        0.05794
         608096.20    4267345.60        0.05457                    608101.20
4267345.60        0.05140
         608106.20    4267345.60        0.04840                    608111.20
4267345.60        0.04553
         608116.20    4267345.60        0.08210                    608121.20
4267345.60        0.07436
         608126.20    4267345.60        0.06726                    608131.20
4267345.60        0.06076
         608136.20    4267345.60        0.05497                    608141.20
4267345.60        0.04986
         608146.20    4267345.60        0.04532                    608151.20
4267345.60        0.04140
         608061.20    4267350.60        0.09977                    608066.20
4267350.60        0.09768
         608071.20    4267350.60        0.09669                    608076.20
4267350.60        0.09639
         608081.20    4267350.60        0.09701                    608086.20
4267350.60        0.09855
         608091.20    4267350.60        0.05518                    608096.20
4267350.60        0.05206
         608101.20    4267350.60        0.04911                    608106.20
4267350.60        0.04629
         608111.20    4267350.60        0.08404                    608116.20
4267350.60        0.07660
         608121.20    4267350.60        0.06976                    608126.20
4267350.60        0.06355
         608131.20    4267350.60        0.05770                    608136.20
4267350.60        0.05253
```

UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608141.20	4267350.60	0.04789	608146.20	4267350.60	0.04380
608151.20	4267350.60	0.04015	608061.20	4267355.60	0.09424
608066.20	4267355.60	0.09266	608071.20	4267355.60	0.09169
608076.20	4267355.60	0.09140	608081.20	4267355.60	0.09196
608086.20	4267355.60	0.09288	608091.20	4267355.60	0.09423
608096.20	4267355.60	0.09589	608101.20	4267355.60	0.04699
608106.20	4267355.60	0.08517	608111.20	4267355.60	0.07839
608116.20	4267355.60	0.07187	608121.20	4267355.60	0.06575
608126.20	4267355.60	0.06018	608131.20	4267355.60	0.05499
608136.20	4267355.60	0.05029	608141.20	4267355.60	0.04610
608146.20	4267355.60	0.04235	608151.20	4267355.60	0.03899
608061.20	4267360.60	0.08946	608066.20	4267360.60	0.08795

UMAll_AERMOD_output file

```
         608071.20    4267360.60        0.08706                    608076.20
4267360.60        0.08685
         608081.20    4267360.60        0.08702                    608086.20
4267360.60        0.08772
         608091.20    4267360.60        0.08872                    608096.20
4267360.60        0.13455
         608101.20    4267360.60        0.13196                    608106.20
4267360.60        0.07965
         608111.20    4267360.60        0.07342                    608116.20
4267360.60        0.06776
         608121.20    4267360.60        0.06229                    608126.20
4267360.60        0.05717
         608131.20    4267360.60        0.05256                    608136.20
4267360.60        0.04832
         608141.20    4267360.60        0.04447                    608146.20
4267360.60        0.04100
         608151.20    4267360.60        0.03787                    608061.20
4267365.60        0.08498
         608066.20    4267365.60        0.08368                    608071.20
4267365.60        0.08290
         608076.20    4267365.60        0.13295                    608081.20
4267365.60        0.13112
         608086.20    4267365.60        0.12916                    608091.20
4267365.60        0.12708
         608096.20    4267365.60        0.12480                    608101.20
4267365.60        0.12220
         608106.20    4267365.60        0.11970                    608111.20
4267365.60        0.11690
         608116.20    4267365.60        0.11383                    608121.20
4267365.60        0.11048
         608126.20    4267365.60        0.05454                    608131.20
4267365.60        0.05032
         608136.20    4267365.60        0.04645                    608141.20
4267365.60        0.09286
         608146.20    4267365.60        0.08760                    608151.20
4267365.60        0.08228
         608061.20    4267370.60        0.12762                    608066.20
4267370.60        0.12658
         608071.20    4267370.60        0.12523                    608076.20
4267370.60        0.12384
         608081.20    4267370.60        0.12213                    608086.20
4267370.60        0.12029
         608091.20    4267370.60        0.11820                    608096.20
4267370.60        0.11608
         608101.20    4267370.60        0.11373                    608106.20
4267370.60        0.11132
         608111.20    4267370.60        0.10861                    608116.20
4267370.60        0.10568
```

UMAll_AERMOD_output file

```
         608121.20    4267370.60        0.10242                       608126.20
4267370.60        0.09891
         608131.20    4267370.60        0.09501                       608136.20
4267370.60        0.09075
         608141.20    4267370.60        0.08632                       608146.20
4267370.60        0.08159
         608151.20    4267370.60        0.07669                       608061.20
4267375.60        0.11929
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                    PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608066.20    4267375.60        0.11827                       608071.20
4267375.60        0.11702
         608076.20    4267375.60        0.11564                       608081.20
4267375.60        0.11408
         608086.20    4267375.60        0.11231                       608091.20
4267375.60        0.11040
         608096.20    4267375.60        0.10835                       608101.20
4267375.60        0.10617
         608106.20    4267375.60        0.10379                       608111.20
4267375.60        0.10125
         608116.20    4267375.60        0.09846                       608121.20
4267375.60        0.09543
         608126.20    4267375.60        0.09213                       608131.20
4267375.60        0.08849
         608136.20    4267375.60        0.08459                       608141.20
4267375.60        0.08051
```

UMAll_AERMOD_output file

```
         608146.20    4267375.60        0.07623                    608151.20
4267375.60        0.07181
         608061.20    4267380.60        0.11183                    608066.20
4267380.60        0.11087
         608071.20    4267380.60        0.10968                    608076.20
4267380.60        0.10837
         608081.20    4267380.60        0.10687                    608086.20
4267380.60        0.10523
         608091.20    4267380.60        0.10342                    608096.20
4267380.60        0.10150
         608101.20    4267380.60        0.09941                    608106.20
4267380.60        0.09713
         608111.20    4267380.60        0.09470                    608116.20
4267380.60        0.09205
         608121.20    4267380.60        0.08917                    608126.20
4267380.60        0.08608
         608131.20    4267380.60        0.08272                    608136.20
4267380.60        0.07914
         608141.20    4267380.60        0.07542                    608146.20
4267380.60        0.07148
         608151.20    4267380.60        0.06748                    608061.20
4267385.60        0.10511
         608066.20    4267385.60        0.10419                    608071.20
4267385.60        0.10307
         608076.20    4267385.60        0.10181                    608081.20
4267385.60        0.10041
         608086.20    4267385.60        0.09885                    608091.20
4267385.60        0.09713
         608096.20    4267385.60        0.09529                    608101.20
4267385.60        0.09331
         608106.20    4267385.60        0.09116                    608111.20
4267385.60        0.08883
         608116.20    4267385.60        0.08633                    608121.20
4267385.60        0.08363
         608126.20    4267385.60        0.08072                    608131.20
4267385.60        0.07760
         608136.20    4267385.60        0.07431                    608141.20
4267385.60        0.07085
         608146.20    4267385.60        0.06729                    608151.20
4267385.60        0.06364
         608061.20    4267390.60        0.09907                    608066.20
4267390.60        0.09817
         608071.20    4267390.60        0.09710                    608076.20
4267390.60        0.09591
         608081.20    4267390.60        0.09457                    608086.20
4267390.60        0.09309
         608091.20    4267390.60        0.09148                    608096.20
4267390.60        0.08972
```

UMAll_AERMOD_output file

```
         608101.20    4267390.60        0.08782                        608106.20
4267390.60        0.08578
         608111.20    4267390.60        0.08357                        608116.20
4267390.60        0.08120
         608121.20    4267390.60        0.07865                        608126.20
4267390.60        0.07592
         608131.20    4267390.60        0.07302                        608136.20
4267390.60        0.06997
         608141.20    4267390.60        0.06680                        608146.20
4267390.60        0.06352
         608151.20    4267390.60        0.06018                        608061.20
4267395.60        0.09356
         608066.20    4267395.60        0.09270                        608071.20
4267395.60        0.09169
         608076.20    4267395.60        0.09055                        608081.20
4267395.60        0.08928
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608086.20    4267395.60        0.08787                        608091.20
4267395.60        0.08633
         608096.20    4267395.60        0.08466                        608101.20
4267395.60        0.08285
         608106.20    4267395.60        0.08091                        608111.20
4267395.60        0.07882
         608116.20    4267395.60        0.07657                        608121.20
4267395.60        0.07417
```

UMAll_AERMOD_output file

```
         608126.20    4267395.60        0.07162                    608131.20
4267395.60        0.06891
         608136.20    4267395.60        0.06608                    608141.20
4267395.60        0.06315
         608146.20    4267395.60        0.06013                    608151.20
4267395.60        0.05708
         608056.20    4267400.60        0.08925                    608061.20
4267400.60        0.08855
         608066.20    4267400.60        0.08771                    608071.20
4267400.60        0.08675
         608076.20    4267400.60        0.08566                    608081.20
4267400.60        0.08445
         608086.20    4267400.60        0.08311                    608091.20
4267400.60        0.08164
         608096.20    4267400.60        0.08005                    608101.20
4267400.60        0.07834
         608106.20    4267400.60        0.07648                    608111.20
4267400.60        0.07450
         608116.20    4267400.60        0.07237                    608121.20
4267400.60        0.07011
         608126.20    4267400.60        0.06772                    608131.20
4267400.60        0.06519
         608136.20    4267400.60        0.06256                    608141.20
4267400.60        0.05984
         608146.20    4267400.60        0.05707                    608151.20
4267400.60        0.05425
         608056.20    4267405.60        0.08463                    608061.20
4267405.60        0.08395
         608066.20    4267405.60        0.08315                    608071.20
4267405.60        0.08223
         608076.20    4267405.60        0.08119                    608081.20
4267405.60        0.08003
         608086.20    4267405.60        0.07875                    608091.20
4267405.60        0.07736
         608096.20    4267405.60        0.07584                    608101.20
4267405.60        0.07421
         608106.20    4267405.60        0.07245                    608111.20
4267405.60        0.07056
         608116.20    4267405.60        0.06855                    608121.20
4267405.60        0.06642
         608126.20    4267405.60        0.06417                    608131.20
4267405.60        0.06182
         608136.20    4267405.60        0.05937                    608141.20
4267405.60        0.05685
         608146.20    4267405.60        0.05428                    608151.20
4267405.60        0.05168
         608056.20    4267410.60        0.08038                    608061.20
4267410.60        0.07972
```

UMAll_AERMOD_output file

```
         608066.20    4267410.60        0.07895                        608071.20
4267410.60        0.07807
         608076.20    4267410.60        0.07708                        608081.20
4267410.60        0.07597
         608086.20    4267410.60        0.07475                        608091.20
4267410.60        0.07342
         608096.20    4267410.60        0.07197                        608101.20
4267410.60        0.07042
         608106.20    4267410.60        0.06875                        608111.20
4267410.60        0.06696
         608116.20    4267410.60        0.06506                        608121.20
4267410.60        0.06305
         608126.20    4267410.60        0.06094                        608131.20
4267410.60        0.05874
         608136.20    4267410.60        0.05645                        608141.20
4267410.60        0.05411
         608146.20    4267410.60        0.05172                        608151.20
4267410.60        0.04932
         608056.20    4267415.60        0.07646                        608061.20
4267415.60        0.07582
         608066.20    4267415.60        0.07508                        608071.20
4267415.60        0.07424
         608076.20    4267415.60        0.07328                        608081.20
4267415.60        0.07223
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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UMAll_AERMOD_output file

```
         608086.20    4267415.60        0.07106                    608091.20
4267415.60        0.06979
         608096.20    4267415.60        0.06841                    608101.20
4267415.60        0.06693
         608106.20    4267415.60        0.06534                    608111.20
4267415.60        0.06365
         608116.20    4267415.60        0.06186                    608121.20
4267415.60        0.05996
         608146.20    4267415.60        0.04938                    608151.20
4267415.60        0.04715
         608056.20    4267420.60        0.07282                    608061.20
4267420.60        0.07221
         608066.20    4267420.60        0.07150                    608071.20
4267420.60        0.07069
         608076.20    4267420.60        0.06978                    608081.20
4267420.60        0.06876
         608086.20    4267420.60        0.06765                    608091.20
4267420.60        0.06644
         607905.00    4267340.20        0.04043                    607910.00
4267340.20        0.04378
         607915.00    4267340.20        0.04747                    607920.00
4267340.20        0.05158
         607905.00    4267345.20        0.03962                    607910.00
4267345.20        0.04281
         607915.00    4267345.20        0.04631                    607920.00
4267345.20        0.05016
         607930.00    4267345.20        0.05907                    607935.00
4267345.20        0.06424
         607940.00    4267345.20        0.06999                    607945.00
4267345.20        0.07632
         607900.00    4267350.20        0.03605                    607905.00
4267350.20        0.03882
         607910.00    4267350.20        0.04185                    607915.00
4267350.20        0.04517
         607935.00    4267350.20        0.06197                    607940.00
4267350.20        0.06724
         607945.00    4267350.20        0.07297                    607950.00
4267350.20        0.07927
         607955.00    4267350.20        0.08592                    607960.00
4267350.20        0.09326
         607965.00    4267350.20        0.05407                    607970.00
4267350.20        0.05632
         607975.00    4267350.20        0.05867                    607980.00
4267350.20        0.06118
         607985.00    4267350.20        0.10372                    607990.00
4267350.20        0.10176
         607995.00    4267350.20        0.10082                    608000.00
4267350.20        0.10046
```

UMAll_AERMOD_output file

```
         608005.00    4267350.20        0.10119                        608010.00
4267350.20        0.10275
         608015.00    4267350.20        0.10514                        607900.00
4267355.20        0.07694
         607905.00    4267355.20        0.03803                        607910.00
4267355.20        0.04091
         607915.00    4267355.20        0.04405                        607935.00
4267355.20        0.05976
         607940.00    4267355.20        0.06461                        607945.00
4267355.20        0.06987
         607950.00    4267355.20        0.07551                        607955.00
4267355.20        0.08168
         607960.00    4267355.20        0.08804                        607965.00
4267355.20        0.09465
         607970.00    4267355.20        0.05399                        607975.00
4267355.20        0.05624
         607980.00    4267355.20        0.09885                        607985.00
4267355.20        0.09731
         607990.00    4267355.20        0.09593                        607995.00
4267355.20        0.09519
         608000.00    4267355.20        0.09528                        608005.00
4267355.20        0.09602
         608010.00    4267355.20        0.09754                        608015.00
4267355.20        0.09981
         607900.00    4267360.20        0.07312                        607905.00
4267360.20        0.07958
         607910.00    4267360.20        0.08619                        607915.00
4267360.20        0.04295
         607935.00    4267360.20        0.05765                        607940.00
4267360.20        0.06211
         607945.00    4267360.20        0.06699                        607950.00
4267360.20        0.07218
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607955.00	4267360.20	0.07764	607960.00	4267360.20	0.08341
607965.00	4267360.20	0.08929	607970.00	4267360.20	0.13946
607975.00	4267360.20	0.14161	607980.00	4267360.20	0.09279
607985.00	4267360.20	0.09154	607990.00	4267360.20	0.09075
607995.00	4267360.20	0.09033	608000.00	4267360.20	0.09047
608005.00	4267360.20	0.09128	608010.00	4267360.20	0.09277
608015.00	4267360.20	0.09484	607895.00	4267365.20	0.06395
607900.00	4267365.20	0.06959	607905.00	4267365.20	0.07539
607910.00	4267365.20	0.08124	607935.00	4267365.20	0.05565
607940.00	4267365.20	0.05981	607945.00	4267365.20	0.06425
607950.00	4267365.20	0.06893	607955.00	4267365.20	0.12237
607960.00	4267365.20	0.12502	607965.00	4267365.20	0.12743
607970.00	4267365.20	0.12952	607975.00	4267365.20	0.13151
607980.00	4267365.20	0.13342	607985.00	4267365.20	0.13512
607990.00	4267365.20	0.13657	607995.00	4267365.20	0.08575
608000.00	4267365.20	0.08610	608005.00	4267365.20	0.08694
608010.00	4267365.20	0.08833	608015.00	4267365.20	0.09019
607900.00	4267370.20	0.06636	607905.00	4267370.20	0.07156
607910.00	4267370.20	0.07689	607915.00	4267370.20	0.08212
607920.00	4267370.20	0.08725	607925.00	4267370.20	0.09217

UMAll_AERMOD_output file

```
         607930.00    4267370.20        0.09676                        607935.00
4267370.20        0.10094
         607940.00    4267370.20        0.10478                        607945.00
4267370.20        0.10815
         607950.00    4267370.20        0.11128                        607955.00
4267370.20        0.11397
         607960.00    4267370.20        0.11647                        607965.00
4267370.20        0.11872
         607970.00    4267370.20        0.12077                        607975.00
4267370.20        0.12263
         607980.00    4267370.20        0.12438                        607985.00
4267370.20        0.12591
         607990.00    4267370.20        0.12721                        607995.00
4267370.20        0.12838
         608000.00    4267370.20        0.12934                        608005.00
4267370.20        0.12993
         608010.00    4267370.20        0.13040                        608015.00
4267370.20        0.13076
         607895.00    4267375.20        0.05880                        607900.00
4267375.20        0.06340
         607905.00    4267375.20        0.06810                        607910.00
4267375.20        0.07285
         607915.00    4267375.20        0.07758                        607920.00
4267375.20        0.08217
         607925.00    4267375.20        0.08657                        607930.00
4267375.20        0.09067
         607935.00    4267375.20        0.09450                        607940.00
4267375.20        0.09800
         607945.00    4267375.20        0.10113                        607950.00
4267375.20        0.10402
         607955.00    4267375.20        0.10659                        607960.00
4267375.20        0.10887
         607965.00    4267375.20        0.11102                        607970.00
4267375.20        0.11291
         607975.00    4267375.20        0.11468                        607980.00
4267375.20        0.11628
         607985.00    4267375.20        0.11771                        607990.00
4267375.20        0.11897
         607995.00    4267375.20        0.12003                        608000.00
4267375.20        0.12090
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608005.00	4267375.20	0.12150	608010.00	4267375.20	0.12198
608015.00	4267375.20	0.12231	607890.00	4267380.20	0.05244
607895.00	4267380.20	0.05648	607900.00	4267380.20	0.06066
607905.00	4267380.20	0.06492	607910.00	4267380.20	0.06924
607915.00	4267380.20	0.07347	607920.00	4267380.20	0.07763
607925.00	4267380.20	0.08158	607930.00	4267380.20	0.08532
607935.00	4267380.20	0.08881	607940.00	4267380.20	0.09198
607945.00	4267380.20	0.09490	607950.00	4267380.20	0.09756
607955.00	4267380.20	0.09993	607960.00	4267380.20	0.10212
607965.00	4267380.20	0.10411	607970.00	4267380.20	0.10590
607975.00	4267380.20	0.10755	607980.00	4267380.20	0.10906
607985.00	4267380.20	0.11039	607990.00	4267380.20	0.11154
607995.00	4267380.20	0.11256	608000.00	4267380.20	0.11338
608005.00	4267380.20	0.11396	608010.00	4267380.20	0.11444
608015.00	4267380.20	0.11479	607890.00	4267385.20	0.05061
607895.00	4267385.20	0.05432	607900.00	4267385.20	0.05813

UMAll_AERMOD_output file

```
         607905.00    4267385.20        0.06203                    607910.00
4267385.20        0.06592
         607915.00    4267385.20        0.06977                    607920.00
4267385.20        0.07351
         607925.00    4267385.20        0.07709                    607930.00
4267385.20        0.08050
         607935.00    4267385.20        0.08367                    607940.00
4267385.20        0.08659
         607945.00    4267385.20        0.08929                    607950.00
4267385.20        0.09175
         607955.00    4267385.20        0.09401                    607960.00
4267385.20        0.09605
         607965.00    4267385.20        0.09791                    607970.00
4267385.20        0.09962
         607975.00    4267385.20        0.10117                    607980.00
4267385.20        0.10257
         607985.00    4267385.20        0.10381                    607990.00
4267385.20        0.10490
         607995.00    4267385.20        0.10582                    608000.00
4267385.20        0.10661
         608005.00    4267385.20        0.10717                    608010.00
4267385.20        0.10765
         608015.00    4267385.20        0.10799                    607890.00
4267390.20        0.04889
         607895.00    4267390.20        0.05230                    607900.00
4267390.20        0.05579
         607905.00    4267390.20        0.05934                    607910.00
4267390.20        0.06289
         607915.00    4267390.20        0.06639                    607920.00
4267390.20        0.06979
         607925.00    4267390.20        0.07306                    607930.00
4267390.20        0.07616
         607935.00    4267390.20        0.07907                    607940.00
4267390.20        0.08176
         607945.00    4267390.20        0.08426                    607950.00
4267390.20        0.08655
         607955.00    4267390.20        0.08865                    607960.00
4267390.20        0.09057
         607965.00    4267390.20        0.09233                    607970.00
4267390.20        0.09393
         607975.00    4267390.20        0.09538                    607980.00
4267390.20        0.09670
         607985.00    4267390.20        0.09786                    607990.00
4267390.20        0.09888
         607995.00    4267390.20        0.09975                    608000.00
4267390.20        0.10049
         608005.00    4267390.20        0.10105                    608010.00
4267390.20        0.10150
```

UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608015.00	4267390.20	0.10183	607890.00	4267395.20	0.04726
607895.00	4267395.20	0.05040	607900.00	4267395.20	0.05362
607905.00	4267395.20	0.05687	607910.00	4267395.20	0.06011
607915.00	4267395.20	0.06331	607920.00	4267395.20	0.06641
607925.00	4267395.20	0.06939	607930.00	4267395.20	0.07223
607935.00	4267395.20	0.07491	607940.00	4267395.20	0.07740
607945.00	4267395.20	0.07971	607950.00	4267395.20	0.08185
607955.00	4267395.20	0.08381	607960.00	4267395.20	0.08561
607965.00	4267395.20	0.08726	607970.00	4267395.20	0.08877
607975.00	4267395.20	0.09014	607980.00	4267395.20	0.09137
607985.00	4267395.20	0.09247	607990.00	4267395.20	0.09343
607995.00	4267395.20	0.09425	608000.00	4267395.20	0.09494

UMAll_AERMOD_output file

```
         608005.00    4267395.20        0.09549                        608010.00
4267395.20        0.09592
         608015.00    4267395.20        0.09623                        607917.70
4267058.10        0.01838
         607922.70    4267058.10        0.01907                        607927.70
4267058.10        0.01976
         607932.70    4267058.10        0.02046                        607937.70
4267058.10        0.02118
         607942.70    4267058.10        0.02190                        607947.70
4267058.10        0.02262
         607952.70    4267058.10        0.02336                        607957.70
4267058.10        0.02409
         607962.70    4267058.10        0.02484                        607967.70
4267058.10        0.02559
         607972.70    4267058.10        0.02634                        607977.70
4267058.10        0.02709
         607982.70    4267058.10        0.02784                        607987.70
4267058.10        0.02859
         607917.70    4267063.10        0.01894                        607922.70
4267063.10        0.01966
         607927.70    4267063.10        0.02039                        607932.70
4267063.10        0.02113
         607937.70    4267063.10        0.02188                        607942.70
4267063.10        0.02264
         607947.70    4267063.10        0.02341                        607952.70
4267063.10        0.02419
         607957.70    4267063.10        0.02497                        607962.70
4267063.10        0.02575
         607967.70    4267063.10        0.02655                        607972.70
4267063.10        0.02734
         607977.70    4267063.10        0.02814                        607982.70
4267063.10        0.02893
         607987.70    4267063.10        0.02972                        607917.70
4267068.10        0.01952
         607922.70    4267068.10        0.02028                        607927.70
4267068.10        0.02105
         607932.70    4267068.10        0.02184                        607937.70
4267068.10        0.02263
         607942.70    4267068.10        0.02344                        607947.70
4267068.10        0.02425
         607952.70    4267068.10        0.02507                        607957.70
4267068.10        0.02590
         607962.70    4267068.10        0.02673                        607967.70
4267068.10        0.02757
         607972.70    4267068.10        0.02841                        607977.70
4267068.10        0.02926
         607982.70    4267068.10        0.03010                        607987.70
4267068.10        0.03094
```

UMAll_AERMOD_output file

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         607917.70    4267073.10        0.02014                       607922.70
4267073.10        0.02094
         607927.70    4267073.10        0.02175                       607932.70
4267073.10        0.02258
         607937.70    4267073.10        0.02343                       607942.70
4267073.10        0.02428
         607947.70    4267073.10        0.02514                       607952.70
4267073.10        0.02601
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607957.70    4267073.10        0.02689                       607962.70
4267073.10        0.02778
         607967.70    4267073.10        0.02867                       607972.70
4267073.10        0.02956
         607977.70    4267073.10        0.03046                       607982.70
4267073.10        0.03135
         607987.70    4267073.10        0.03224                       607917.70
4267078.10        0.02079
         607922.70    4267078.10        0.02164                       607927.70
4267078.10        0.02250
         607932.70    4267078.10        0.02338                       607937.70
4267078.10        0.02428
         607942.70    4267078.10        0.02518                       607947.70
4267078.10        0.02610
         607952.70    4267078.10        0.02703                       607957.70
4267078.10        0.02796
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UMAll_AERMOD_output file

```
         607962.70    4267078.10        0.02890                    607967.70
4267078.10        0.02985
         607972.70    4267078.10        0.03080                    607977.70
4267078.10        0.03175
         607982.70    4267078.10        0.03269                    607987.70
4267078.10        0.03363
         607917.70    4267083.10        0.02148                    607922.70
4267083.10        0.02238
         607927.70    4267083.10        0.02330                    607932.70
4267083.10        0.02423
         607937.70    4267083.10        0.02518                    607942.70
4267083.10        0.02615
         607947.70    4267083.10        0.02712                    607952.70
4267083.10        0.02811
         607957.70    4267083.10        0.02910                    607962.70
4267083.10        0.03011
         607967.70    4267083.10        0.03111                    607972.70
4267083.10        0.03212
         607977.70    4267083.10        0.03313                    607982.70
4267083.10        0.03414
         607987.70    4267083.10        0.03513                    607917.70
4267088.10        0.02222
         607922.70    4267088.10        0.02317                    607927.70
4267088.10        0.02415
         607932.70    4267088.10        0.02514                    607937.70
4267088.10        0.02615
         607942.70    4267088.10        0.02718                    607947.70
4267088.10        0.02822
         607952.70    4267088.10        0.02927                    607957.70
4267088.10        0.03033
         607962.70    4267088.10        0.03140                    607967.70
4267088.10        0.03248
         607972.70    4267088.10        0.03355                    607977.70
4267088.10        0.03462
         607982.70    4267088.10        0.03569                    607987.70
4267088.10        0.03675
         607917.70    4267093.10        0.02300                    607922.70
4267093.10        0.02401
         607927.70    4267093.10        0.02505                    607932.70
4267093.10        0.02611
         607937.70    4267093.10        0.02719                    607942.70
4267093.10        0.02829
         607947.70    4267093.10        0.02940                    607952.70
4267093.10        0.03053
         607957.70    4267093.10        0.03166                    607962.70
4267093.10        0.03280
         607967.70    4267093.10        0.03395                    607972.70
4267093.10        0.03509
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UMAll_AERMOD_output file

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         607977.70    4267093.10        0.03624                        607982.70
4267093.10        0.03737
         607987.70    4267093.10        0.03849                        607917.70
4267098.10        0.02383
         607922.70    4267098.10        0.02491                        607927.70
4267098.10        0.02602
         607932.70    4267098.10        0.02715                        607937.70
4267098.10        0.02831
         607942.70    4267098.10        0.02948                        607947.70
4267098.10        0.03067
         607952.70    4267098.10        0.03188                        607957.70
4267098.10        0.03309
         607962.70    4267098.10        0.03431                        607967.70
4267098.10        0.03554
         607972.70    4267098.10        0.03676                        607977.70
4267098.10        0.03798
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607982.70    4267098.10        0.03919                        607987.70
4267098.10        0.04038
         607917.70    4267103.10        0.02472                        607922.70
4267103.10        0.02587
         607927.70    4267103.10        0.02706                        607932.70
4267103.10        0.02827
         607937.70    4267103.10        0.02951                        607942.70
4267103.10        0.03077
```

UMAll_AERMOD_output file

```
         607947.70    4267103.10        0.03205                    607952.70
4267103.10        0.03334
         607957.70    4267103.10        0.03464                    607962.70
4267103.10        0.03595
         607967.70    4267103.10        0.03726                    607972.70
4267103.10        0.03857
         607977.70    4267103.10        0.03987                    607982.70
4267103.10        0.04116
         607987.70    4267103.10        0.04242                    607917.70
4267108.10        0.02567
         607922.70    4267108.10        0.02690                    607927.70
4267108.10        0.02817
         607932.70    4267108.10        0.02947                    607937.70
4267108.10        0.03080
         607942.70    4267108.10        0.03216                    607947.70
4267108.10        0.03354
         607952.70    4267108.10        0.03493                    607957.70
4267108.10        0.03633
         607962.70    4267108.10        0.03773                    607967.70
4267108.10        0.03914
         607972.70    4267108.10        0.04054                    607869.80
4267306.30        0.04809
         607874.80    4267306.30        0.05526                    607879.80
4267306.30        0.02911
         607824.80    4267311.30        0.02083                    607829.80
4267311.30        0.02226
         607864.80    4267311.30        0.04223                    607869.80
4267311.30        0.04816
         607874.80    4267311.30        0.05518                    607824.80
4267316.30        0.02096
         607829.80    4267316.30        0.02240                    607834.80
4267316.30        0.02402
         607839.80    4267316.30        0.02590                    607844.80
4267316.30        0.02810
         607864.80    4267316.30        0.04209                    607869.80
4267316.30        0.04753
         607874.80    4267316.30        0.05438                    607824.80
4267321.30        0.02108
         607829.80    4267321.30        0.02251                    607834.80
4267321.30        0.02414
         607839.80    4267321.30        0.02600                    607844.80
4267321.30        0.02818
         607849.80    4267321.30        0.03072                    607854.80
4267321.30        0.03378
         607859.80    4267321.30        0.03744                    607864.80
4267321.30        0.04174
         607869.80    4267321.30        0.04718                    607874.80
4267321.30        0.05372
```

UMAll_AERMOD_output file

```
         607819.80    4267326.30        0.01992                        607824.80
4267326.30        0.02118
         607829.80    4267326.30        0.02261                        607834.80
4267326.30        0.02422
         607839.80    4267326.30        0.02608                        607844.80
4267326.30        0.02822
         607849.80    4267326.30        0.03075                        607854.80
4267326.30        0.03374
         607859.80    4267326.30        0.03733                        607864.80
4267326.30        0.04161
         607869.80    4267326.30        0.04675                        607874.80
4267326.30        0.05294
         607819.80    4267331.30        0.02000                        607824.80
4267331.30        0.02126
         607829.80    4267331.30        0.02268                        607834.80
4267331.30        0.02429
         607839.80    4267331.30        0.02612                        607844.80
4267331.30        0.02826
         607849.80    4267331.30        0.03074                        607854.80
4267331.30        0.03366
         607859.80    4267331.30        0.03712                        607864.80
4267331.30        0.04118
         607869.80    4267331.30        0.04626                        607819.80
4267336.30        0.02006
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                    PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_output file

```
         607824.80    4267336.30        0.02132                    607829.80
4267336.30        0.02272
         607834.80    4267336.30        0.02432                    607839.80
4267336.30        0.02614
         607844.80    4267336.30        0.02824                    607849.80
4267336.30        0.03067
         607854.80    4267336.30        0.03351                    607859.80
4267336.30        0.03687
         607864.80    4267336.30        0.04079                    607869.80
4267336.30        0.04563
         607814.80    4267341.30        0.01898                    607819.80
4267341.30        0.02010
         607824.80    4267341.30        0.02135                    607829.80
4267341.30        0.02274
         607834.80    4267341.30        0.02432                    607839.80
4267341.30        0.02612
         607844.80    4267341.30        0.02817                    607849.80
4267341.30        0.03057
         607854.80    4267341.30        0.03334                    607859.80
4267341.30        0.03659
         607864.80    4267341.30        0.04041                    607814.80
4267346.30        0.01901
         607819.80    4267346.30        0.02012                    607824.80
4267346.30        0.02135
         607829.80    4267346.30        0.02274                    607834.80
4267346.30        0.02430
         607839.80    4267346.30        0.02607                    607844.80
4267346.30        0.02809
         607849.80    4267346.30        0.03042                    607854.80
4267346.30        0.03310
         607859.80    4267346.30        0.03623                    607864.80
4267346.30        0.03983
         607814.80    4267351.30        0.01901                    607819.80
4267351.30        0.02011
         607824.80    4267351.30        0.02133                    607829.80
4267351.30        0.02270
         607834.80    4267351.30        0.02424                    607839.80
4267351.30        0.02598
         607844.80    4267351.30        0.02796                    607849.80
4267351.30        0.03023
         607854.80    4267351.30        0.03283                    607859.80
4267351.30        0.03582
         607819.80    4267356.30        0.02008                    607824.80
4267356.30        0.02129
         607829.80    4267356.30        0.02264                    607834.80
4267356.30        0.02415
         607839.80    4267356.30        0.02586                    607844.80
4267356.30        0.02779
```

UMAll_AERMOD_output file

```
         607849.80    4267356.30        0.02999                        607854.80
4267356.30        0.03250
         607859.80    4267356.30        0.03538                        607829.80
4267361.30        0.02255
         607834.80    4267361.30        0.02403                        607839.80
4267361.30        0.02571
         607844.80    4267361.30        0.02759                        607849.80
4267361.30        0.02973
         607854.80    4267361.30        0.03216                        607859.80
4267361.30        0.03491
         607839.80    4267366.30        0.02553                        607844.80
4267366.30        0.02737
         607849.80    4267366.30        0.02944                        607854.80
4267366.30        0.03178
         607849.80    4267371.30        0.02912                        607854.80
4267371.30        0.03137
         607829.50    4267189.20        0.01632                        607834.50
4267189.20        0.01715
         607839.50    4267189.20        0.01806                        607844.50
4267189.20        0.01905
         607849.50    4267189.20        0.02015                        607854.50
4267189.20        0.02136
         607859.50    4267189.20        0.02270                        607864.50
4267189.20        0.02420
         607869.50    4267189.20        0.02588                        607874.50
4267189.20        0.02778
         607879.50    4267189.20        0.02993                        607884.50
4267189.20        0.03239
         607829.50    4267194.20        0.01658                        607834.50
4267194.20        0.01744
         607839.50    4267194.20        0.01838                        607844.50
4267194.20        0.01942
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607849.50	4267194.20	0.02057	607854.50	4267194.20	0.02184
607859.50	4267194.20	0.02325	607864.50	4267194.20	0.02484
607869.50	4267194.20	0.02662	607874.50	4267194.20	0.02865
607879.50	4267194.20	0.03098	607884.50	4267194.20	0.03365
607829.50	4267199.20	0.01683	607834.50	4267199.20	0.01773
607839.50	4267199.20	0.01871	607844.50	4267199.20	0.01979
607849.50	4267199.20	0.02099	607854.50	4267199.20	0.02232
607859.50	4267199.20	0.02381	607864.50	4267199.20	0.02548
607869.50	4267199.20	0.02738	607874.50	4267199.20	0.02956
607879.50	4267199.20	0.03205	607884.50	4267199.20	0.03493
607839.50	4267204.20	0.01904	607844.50	4267204.20	0.02017
607849.50	4267204.20	0.02142	607854.50	4267204.20	0.02281
607859.50	4267204.20	0.02438	607864.50	4267204.20	0.02616
607869.50	4267204.20	0.02818	607874.50	4267204.20	0.03050
607879.50	4267204.20	0.03318	607884.50	4267204.20	0.03633
607839.50	4267209.20	0.01937	607844.50	4267209.20	0.02054
607849.50	4267209.20	0.02185	607854.50	4267209.20	0.02331
607859.50	4267209.20	0.02496	607864.50	4267209.20	0.02683
607869.50	4267209.20	0.02898	607874.50	4267209.20	0.03146
607879.50	4267209.20	0.03435	607884.50	4267209.20	0.03776

UMAll_AERMOD_output file

```
         607839.50    4267214.20        0.01970                        607844.50
4267214.20        0.02093
         607849.50    4267214.20        0.02229                        607854.50
4267214.20        0.02382
         607859.50    4267214.20        0.02556                        607864.50
4267214.20        0.02753
         607869.50    4267214.20        0.02980                        607874.50
4267214.20        0.03244
         607879.50    4267214.20        0.03553                        607884.50
4267214.20        0.03922
         607839.50    4267219.20        0.02004                        607844.50
4267219.20        0.02132
         607849.50    4267219.20        0.02274                        607854.50
4267219.20        0.02435
         607859.50    4267219.20        0.02618                        607864.50
4267219.20        0.02828
         607869.50    4267219.20        0.03067                        607874.50
4267219.20        0.03351
         607879.50    4267219.20        0.03683                        607884.50
4267219.20        0.04063
         607839.50    4267224.20        0.02039                        607844.50
4267224.20        0.02171
         607849.50    4267224.20        0.02320                        607854.50
4267224.20        0.02489
         607859.50    4267224.20        0.02681                        607864.50
4267224.20        0.02903
         607869.50    4267224.20        0.03159                        607874.50
4267224.20        0.03464
         607879.50    4267224.20        0.03820                        607884.50
4267224.20        0.04257
         607839.50    4267229.20        0.02074                        607844.50
4267229.20        0.02212
         607849.50    4267229.20        0.02367                        607854.50
4267229.20        0.02544
         607859.50    4267229.20        0.02747                        607864.50
4267229.20        0.02982
         607869.50    4267229.20        0.03253                        607874.50
4267229.20        0.03579
         607879.50    4267229.20        0.03968                        607884.50
4267229.20        0.04420
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607839.50	4267234.20	0.02109	607844.50	4267234.20	0.02253
607849.50	4267234.20	0.02415	607854.50	4267234.20	0.02601
607859.50	4267234.20	0.02815	607864.50	4267234.20	0.03063
607869.50	4267234.20	0.03354	607874.50	4267234.20	0.03701
607879.50	4267234.20	0.04121	607884.50	4267234.20	0.04626
607839.50	4267239.20	0.02145	607844.50	4267239.20	0.02294
607849.50	4267239.20	0.02464	607854.50	4267239.20	0.02658
607859.50	4267239.20	0.02882	607864.50	4267239.20	0.03145
607869.50	4267239.20	0.03455	607874.50	4267239.20	0.03826
607879.50	4267239.20	0.04271	607884.50	4267239.20	0.04811
607839.50	4267244.20	0.02180	607844.50	4267244.20	0.02336
607849.50	4267244.20	0.02513	607854.50	4267244.20	0.02717
607859.50	4267244.20	0.02953	607864.50	4267244.20	0.03231
607869.50	4267244.20	0.03559	607874.50	4267244.20	0.03957
607879.50	4267244.20	0.04433	607884.50	4267244.20	0.05006
607839.50	4267249.20	0.02216	607844.50	4267249.20	0.02378

```
         607849.50    4267249.20        0.02562                    607854.50
4267249.20        0.02775
         607859.50    4267249.20        0.03025                    607864.50
4267249.20        0.03315
         607869.50    4267249.20        0.03666                    607874.50
4267249.20        0.04092
         607879.50    4267249.20        0.04593                    607884.50
4267249.20        0.05222
         607839.50    4267254.20        0.02251                    607844.50
4267254.20        0.02418
         607849.50    4267254.20        0.02611                    607854.50
4267254.20        0.02834
         607859.50    4267254.20        0.03096                    607864.50
4267254.20        0.03406
         607869.50    4267254.20        0.03771                    607874.50
4267254.20        0.04223
         607879.50    4267254.20        0.04762                    607884.50
4267254.20        0.05422
         607839.50    4267259.20        0.02286                    607844.50
4267259.20        0.02459
         607849.50    4267259.20        0.02659                    607854.50
4267259.20        0.02891
         607859.50    4267259.20        0.03163                    607864.50
4267259.20        0.03495
         607869.50    4267259.20        0.03890                    607874.50
4267259.20        0.04355
         607879.50    4267259.20        0.04934                    607884.50
4267259.20        0.05668
         607839.50    4267264.20        0.02319                    607844.50
4267264.20        0.02499
         607849.50    4267264.20        0.02706                    607854.50
4267264.20        0.02946
         607859.50    4267264.20        0.03236                    607864.50
4267264.20        0.03578
         607869.50    4267264.20        0.03989                    607874.50
4267264.20        0.04502
         607879.50    4267264.20        0.05120                    607884.50
4267264.20        0.05875
         607839.50    4267269.20        0.02352                    607844.50
4267269.20        0.02536
         607849.50    4267269.20        0.02750                    607854.50
4267269.20        0.03002
         607859.50    4267269.20        0.03304                    607864.50
4267269.20        0.03669
         607869.50    4267269.20        0.04092                    607874.50
4267269.20        0.04639
         607879.50    4267269.20        0.05286                    607884.50
4267269.20        0.06143
```

UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607839.50	4267274.20	0.02382	607844.50	4267274.20	0.02573
607849.50	4267274.20	0.02796	607854.50	4267274.20	0.03054
607859.50	4267274.20	0.03365	607864.50	4267274.20	0.03752
607869.50	4267274.20	0.04213	607874.50	4267274.20	0.04764
607879.50	4267274.20	0.05475	607884.50	4267274.20	0.03273
607839.50	4267279.20	0.02413	607844.50	4267279.20	0.02609
607849.50	4267279.20	0.02835	607854.50	4267279.20	0.03102
607859.50	4267279.20	0.03421	607864.50	4267279.20	0.03810
607869.50	4267279.20	0.04294	607874.50	4267279.20	0.04882
607879.50	4267279.20	0.05653	607884.50	4267279.20	0.03269
608194.60	4267085.20	0.03336	608199.60	4267085.20	0.03243
608204.60	4267085.20	0.03149	608309.60	4267085.20	0.01521

UMAll_AERMOD_output file

```
         608314.60    4267085.20        0.01466                    608184.60
4267090.20        0.03606
         608189.60    4267090.20        0.03507                    608194.60
4267090.20        0.03407
         608199.60    4267090.20        0.03307                    608204.60
4267090.20        0.03208
         608304.60    4267090.20        0.01576                    608309.60
4267090.20        0.01517
         608314.60    4267090.20        0.01461                    608319.60
4267090.20        0.01408
         608324.60    4267090.20        0.01356                    608184.60
4267095.20        0.03692
         608189.60    4267095.20        0.03585                    608194.60
4267095.20        0.03479
         608199.60    4267095.20        0.03373                    608204.60
4267095.20        0.03267
         608209.60    4267095.20        0.03162                    608304.60
4267095.20        0.01571
         608309.60    4267095.20        0.01512                    608314.60
4267095.20        0.01455
         608319.60    4267095.20        0.01401                    608324.60
4267095.20        0.01349
         608184.60    4267100.20        0.03779                    608189.60
4267100.20        0.03665
         608194.60    4267100.20        0.03551                    608199.60
4267100.20        0.03438
         608204.60    4267100.20        0.03325                    608209.60
4267100.20        0.03215
         608214.60    4267100.20        0.03106                    608219.60
4267100.20        0.02998
         608224.60    4267100.20        0.02893                    608304.60
4267100.20        0.01566
         608309.60    4267100.20        0.01506                    608314.60
4267100.20        0.01449
         608319.60    4267100.20        0.01393                    608189.60
4267105.20        0.03744
         608194.60    4267105.20        0.03623                    608199.60
4267105.20        0.03503
         608204.60    4267105.20        0.03384                    608209.60
4267105.20        0.03267
         608214.60    4267105.20        0.03152                    608219.60
4267105.20        0.03039
         608224.60    4267105.20        0.02929                    608229.60
4267105.20        0.02821
         608234.60    4267105.20        0.02716                    608239.60
4267105.20        0.02614
         608244.60    4267105.20        0.02515                    608299.60
4267105.20        0.01624
```

UMAll_AERMOD_output file

```
         608304.60    4267105.20        0.01560                        608309.60
4267105.20        0.01499
         608314.60    4267105.20        0.01441                        608319.60
4267105.20        0.01385
         608189.60    4267110.20        0.03825                        608194.60
4267110.20        0.03695
         608199.60    4267110.20        0.03567                        608204.60
4267110.20        0.03441
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608209.60    4267110.20        0.03318                        608214.60
4267110.20        0.03196
         608219.60    4267110.20        0.03078                        608224.60
4267110.20        0.02963
         608229.60    4267110.20        0.02850                        608234.60
4267110.20        0.02741
         608239.60    4267110.20        0.02635                        608244.60
4267110.20        0.02532
         608249.60    4267110.20        0.02433                        608254.60
4267110.20        0.02337
         608259.60    4267110.20        0.02244                        608264.60
4267110.20        0.02154
         608269.60    4267110.20        0.02068                        608274.60
4267110.20        0.01985
         608279.60    4267110.20        0.01905                        608284.60
4267110.20        0.01829
```

UMAll_AERMOD_output file

```
         608289.60    4267110.20        0.01755                    608294.60
4267110.20        0.01685
         608299.60    4267110.20        0.01617                    608304.60
4267110.20        0.01553
         608309.60    4267110.20        0.01491                    608314.60
4267110.20        0.01432
         608319.60    4267110.20        0.01376                    608194.60
4267115.20        0.03767
         608199.60    4267115.20        0.03631                    608204.60
4267115.20        0.03498
         608209.60    4267115.20        0.03368                    608214.60
4267115.20        0.03240
         608219.60    4267115.20        0.03116                    608224.60
4267115.20        0.02995
         608229.60    4267115.20        0.02878                    608234.60
4267115.20        0.02764
         608239.60    4267115.20        0.02654                    608244.60
4267115.20        0.02548
         608249.60    4267115.20        0.02445                    608254.60
4267115.20        0.02345
         608259.60    4267115.20        0.02250                    608264.60
4267115.20        0.02158
         608269.60    4267115.20        0.02069                    608274.60
4267115.20        0.01984
         608279.60    4267115.20        0.01903                    608284.60
4267115.20        0.01825
         608289.60    4267115.20        0.01750                    608294.60
4267115.20        0.01678
         608299.60    4267115.20        0.01610                    608304.60
4267115.20        0.01545
         608309.60    4267115.20        0.01482                    608314.60
4267115.20        0.01423
         608204.60    4267120.20        0.03554                    608209.60
4267120.20        0.03417
         608214.60    4267120.20        0.03283                    608219.60
4267120.20        0.03153
         608224.60    4267120.20        0.03026                    608229.60
4267120.20        0.02904
         608234.60    4267120.20        0.02786                    608239.60
4267120.20        0.02671
         608244.60    4267120.20        0.02561                    608249.60
4267120.20        0.02455
         608254.60    4267120.20        0.02353                    608259.60
4267120.20        0.02254
         608264.60    4267120.20        0.02160                    608269.60
4267120.20        0.02069
         608274.60    4267120.20        0.01982                    608279.60
4267120.20        0.01899
```

UMAll_AERMOD_output file

```
         608284.60    4267120.20        0.01819                        608289.60
4267120.20        0.01743
         608294.60    4267120.20        0.01671                        608299.60
4267120.20        0.01602
         608304.60    4267120.20        0.01536                        608309.60
4267120.20        0.01473
         608314.60    4267120.20        0.01413                        608229.60
4267125.20        0.02928
         608234.60    4267125.20        0.02806                        608239.60
4267125.20        0.02687
         608244.60    4267125.20        0.02573                        608249.60
4267125.20        0.02464
         608254.60    4267125.20        0.02358                        608259.60
4267125.20        0.02257
         608264.60    4267125.20        0.02160                        608269.60
4267125.20        0.02068
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE  97
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608274.60    4267125.20        0.01979                        608279.60
4267125.20        0.01894
         608284.60    4267125.20        0.01813                        608289.60
4267125.20        0.01736
         608294.60    4267125.20        0.01662                        608299.60
4267125.20        0.01592
         608304.60    4267125.20        0.01526                        608309.60
4267125.20        0.01462
```

UMAll_AERMOD_output file

```
         607831.30    4267190.00        0.01146                    607836.30
4267190.00        0.01198
         607841.30    4267190.00        0.01255                    607846.30
4267190.00        0.01317
         607851.30    4267190.00        0.01384                    607856.30
4267190.00        0.01457
         607861.30    4267190.00        0.01537                    607866.30
4267190.00        0.01624
         607871.30    4267190.00        0.01720                    607876.30
4267190.00        0.01826
         607881.30    4267190.00        0.01943                    607831.30
4267195.00        0.01161
         607836.30    4267195.00        0.01215                    607841.30
4267195.00        0.01274
         607846.30    4267195.00        0.01337                    607851.30
4267195.00        0.01407
         607856.30    4267195.00        0.01483                    607861.30
4267195.00        0.01565
         607866.30    4267195.00        0.01656                    607871.30
4267195.00        0.01757
         607876.30    4267195.00        0.01868                    607881.30
4267195.00        0.01990
         607831.30    4267200.00        0.01175                    607836.30
4267200.00        0.01231
         607841.30    4267200.00        0.01292                    607846.30
4267200.00        0.01358
         607851.30    4267200.00        0.01429                    607856.30
4267200.00        0.01508
         607861.30    4267200.00        0.01594                    607866.30
4267200.00        0.01689
         607871.30    4267200.00        0.01793                    607876.30
4267200.00        0.01909
         607881.30    4267200.00        0.02038                    607841.30
4267205.00        0.01310
         607846.30    4267205.00        0.01378                    607851.30
4267205.00        0.01452
         607856.30    4267205.00        0.01533                    607861.30
4267205.00        0.01623
         607866.30    4267205.00        0.01721                    607871.30
4267205.00        0.01831
         607876.30    4267205.00        0.01952                    607881.30
4267205.00        0.02086
         607841.30    4267210.00        0.01327                    607846.30
4267210.00        0.01397
         607851.30    4267210.00        0.01474                    607856.30
4267210.00        0.01559
         607861.30    4267210.00        0.01652                    607866.30
4267210.00        0.01754
```

UMAll_AERMOD_output file

```
         607871.30    4267210.00        0.01868                        607876.30
4267210.00        0.01995
         607881.30    4267210.00        0.02136                        607841.30
4267215.00        0.01345
         607846.30    4267215.00        0.01417                        607851.30
4267215.00        0.01497
         607856.30    4267215.00        0.01584                        607861.30
4267215.00        0.01681
         607866.30    4267215.00        0.01788                        607871.30
4267215.00        0.01907
         607876.30    4267215.00        0.02039                        607881.30
4267215.00        0.02187
         607841.30    4267220.00        0.01362                        607846.30
4267220.00        0.01437
         607851.30    4267220.00        0.01519                        607856.30
4267220.00        0.01610
         607861.30    4267220.00        0.01710                        607866.30
4267220.00        0.01821
         607871.30    4267220.00        0.01946                        607876.30
4267220.00        0.02085
         607881.30    4267220.00        0.02241                        607841.30
4267225.00        0.01380
         607846.30    4267225.00        0.01457                        607851.30
4267225.00        0.01542
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_output file

```
         607856.30    4267225.00        0.01635                    607861.30
4267225.00        0.01740
         607866.30    4267225.00        0.01856                    607871.30
4267225.00        0.01986
         607876.30    4267225.00        0.02132                    607881.30
4267225.00        0.02297
         607841.30    4267230.00        0.01397                    607846.30
4267230.00        0.01477
         607851.30    4267230.00        0.01564                    607856.30
4267230.00        0.01662
         607861.30    4267230.00        0.01770                    607866.30
4267230.00        0.01891
         607871.30    4267230.00        0.02028                    607876.30
4267230.00        0.02182
         607881.30    4267230.00        0.02356                    607841.30
4267235.00        0.01414
         607846.30    4267235.00        0.01496                    607851.30
4267235.00        0.01587
         607856.30    4267235.00        0.01688                    607861.30
4267235.00        0.01801
         607866.30    4267235.00        0.01927                    607871.30
4267235.00        0.02071
         607876.30    4267235.00        0.02233                    607881.30
4267235.00        0.02418
         607841.30    4267240.00        0.01432                    607846.30
4267240.00        0.01517
         607851.30    4267240.00        0.01610                    607856.30
4267240.00        0.01715
         607861.30    4267240.00        0.01832                    607866.30
4267240.00        0.01964
         607871.30    4267240.00        0.02115                    607876.30
4267240.00        0.02286
         607881.30    4267240.00        0.02482                    607841.30
4267245.00        0.01450
         607846.30    4267245.00        0.01537                    607851.30
4267245.00        0.01633
         607856.30    4267245.00        0.01742                    607861.30
4267245.00        0.01863
         607866.30    4267245.00        0.02001                    607871.30
4267245.00        0.02159
         607876.30    4267245.00        0.02340                    607881.30
4267245.00        0.02548
         607841.30    4267250.00        0.01467                    607846.30
4267250.00        0.01557
         607851.30    4267250.00        0.01657                    607856.30
4267250.00        0.01769
         607861.30    4267250.00        0.01895                    607866.30
4267250.00        0.02039
```

UMAll_AERMOD_output file

```
         607871.30    4267250.00        0.02204                        607876.30
4267250.00        0.02394
         607881.30    4267250.00        0.02614                        607841.30
4267255.00        0.01485
         607846.30    4267255.00        0.01577                        607851.30
4267255.00        0.01680
         607856.30    4267255.00        0.01796                        607861.30
4267255.00        0.01926
         607866.30    4267255.00        0.02076                        607871.30
4267255.00        0.02247
         607876.30    4267255.00        0.02446                        607881.30
4267255.00        0.02677
         607841.30    4267260.00        0.01503                        607846.30
4267260.00        0.01598
         607851.30    4267260.00        0.01703                        607856.30
4267260.00        0.01823
         607861.30    4267260.00        0.01958                        607866.30
4267260.00        0.02112
         607871.30    4267260.00        0.02289                        607876.30
4267260.00        0.02495
         607881.30    4267260.00        0.02735                        607841.30
4267265.00        0.01521
         607846.30    4267265.00        0.01618                        607851.30
4267265.00        0.01727
         607856.30    4267265.00        0.01849                        607861.30
4267265.00        0.01988
         607866.30    4267265.00        0.02147                        607871.30
4267265.00        0.02330
         607876.30    4267265.00        0.02541                        607881.30
4267265.00        0.02787
         607841.30    4267270.00        0.01539                        607846.30
4267270.00        0.01639
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607851.30	4267270.00	0.01750	607856.30	4267270.00	0.01876
607861.30	4267270.00	0.02019	607866.30	4267270.00	0.02182
607871.30	4267270.00	0.02369	607876.30	4267270.00	0.02584
607881.30	4267270.00	0.02835	607841.30	4267275.00	0.01557
607846.30	4267275.00	0.01659	607851.30	4267275.00	0.01774
607856.30	4267275.00	0.01903	607861.30	4267275.00	0.02050
607866.30	4267275.00	0.02217	607871.30	4267275.00	0.02408
607876.30	4267275.00	0.02627	607881.30	4267275.00	0.02880
607841.30	4267280.00	0.01576	607846.30	4267280.00	0.01680
607851.30	4267280.00	0.01798	607856.30	4267280.00	0.01931
607861.30	4267280.00	0.02081	607866.30	4267280.00	0.02252
608193.70	4267087.00	0.02902	608198.70	4267087.00	0.02822
608203.70	4267087.00	0.02741	608308.70	4267087.00	0.01314
608313.70	4267087.00	0.01266	608318.70	4267087.00	0.01219
608183.70	4267092.00	0.03127	608188.70	4267092.00	0.03043
608193.70	4267092.00	0.02958	608198.70	4267092.00	0.02872
608203.70	4267092.00	0.02787	608208.70	4267092.00	0.02701
608303.70	4267092.00	0.01359	608308.70	4267092.00	0.01308
608313.70	4267092.00	0.01260	608318.70	4267092.00	0.01213
608323.70	4267092.00	0.01168	608328.70	4267092.00	0.01126

UMAll_AERMOD_output file

```
         608183.70    4267097.00        0.03194                        608188.70
4267097.00        0.03104
         608193.70    4267097.00        0.03014                        608198.70
4267097.00        0.02923
         608203.70    4267097.00        0.02832                        608208.70
4267097.00        0.02742
         608213.70    4267097.00        0.02652                        608303.70
4267097.00        0.01354
         608308.70    4267097.00        0.01302                        608313.70
4267097.00        0.01253
         608318.70    4267097.00        0.01206                        608323.70
4267097.00        0.01161
         608183.70    4267102.00        0.03261                        608188.70
4267102.00        0.03165
         608193.70    4267102.00        0.03069                        608198.70
4267102.00        0.02973
         608203.70    4267102.00        0.02877                        608208.70
4267102.00        0.02781
         608213.70    4267102.00        0.02687                        608218.70
4267102.00        0.02594
         608223.70    4267102.00        0.02503                        608303.70
4267102.00        0.01348
         608308.70    4267102.00        0.01296                        608313.70
4267102.00        0.01246
         608318.70    4267102.00        0.01198                        608323.70
4267102.00        0.01153
         608183.70    4267107.00        0.03328                        608188.70
4267107.00        0.03226
         608193.70    4267107.00        0.03124                        608198.70
4267107.00        0.03022
         608203.70    4267107.00        0.02920                        608208.70
4267107.00        0.02820
         608213.70    4267107.00        0.02721                        608218.70
4267107.00        0.02624
         608223.70    4267107.00        0.02529                        608228.70
4267107.00        0.02436
         608233.70    4267107.00        0.02345                        608238.70
4267107.00        0.02256
         608243.70    4267107.00        0.02170                        608248.70
4267107.00        0.02087
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608253.70	4267107.00	0.02006	608298.70	4267107.00	0.01396
608303.70	4267107.00	0.01341	608308.70	4267107.00	0.01288
608313.70	4267107.00	0.01238	608318.70	4267107.00	0.01190
608188.70	4267112.00	0.03287	608193.70	4267112.00	0.03178
608198.70	4267112.00	0.03070	608203.70	4267112.00	0.02963
608208.70	4267112.00	0.02858	608213.70	4267112.00	0.02754
608218.70	4267112.00	0.02652	608223.70	4267112.00	0.02553
608228.70	4267112.00	0.02456	608233.70	4267112.00	0.02362
608238.70	4267112.00	0.02270	608243.70	4267112.00	0.02181
608248.70	4267112.00	0.02095	608253.70	4267112.00	0.02012
608258.70	4267112.00	0.01931	608263.70	4267112.00	0.01853
608268.70	4267112.00	0.01779	608273.70	4267112.00	0.01707
608278.70	4267112.00	0.01638	608283.70	4267112.00	0.01571
608288.70	4267112.00	0.01508	608293.70	4267112.00	0.01447
608298.70	4267112.00	0.01389	608303.70	4267112.00	0.01333
608308.70	4267112.00	0.01280	608313.70	4267112.00	0.01229

UMAll_AERMOD_output file

```
         608318.70    4267112.00        0.01181                    608193.70
4267117.00        0.03232
         608198.70    4267117.00        0.03117                    608203.70
4267117.00        0.03005
         608208.70    4267117.00        0.02894                    608213.70
4267117.00        0.02786
         608218.70    4267117.00        0.02679                    608223.70
4267117.00        0.02576
         608228.70    4267117.00        0.02475                    608233.70
4267117.00        0.02377
         608238.70    4267117.00        0.02282                    608243.70
4267117.00        0.02190
         608248.70    4267117.00        0.02102                    608253.70
4267117.00        0.02016
         608258.70    4267117.00        0.01933                    608263.70
4267117.00        0.01854
         608268.70    4267117.00        0.01777                    608273.70
4267117.00        0.01704
         608278.70    4267117.00        0.01633                    608283.70
4267117.00        0.01566
         608288.70    4267117.00        0.01501                    608293.70
4267117.00        0.01440
         608298.70    4267117.00        0.01381                    608303.70
4267117.00        0.01325
         608308.70    4267117.00        0.01271                    608313.70
4267117.00        0.01220
         608213.70    4267122.00        0.02816                    608218.70
4267122.00        0.02705
         608223.70    4267122.00        0.02597                    608228.70
4267122.00        0.02493
         608233.70    4267122.00        0.02391                    608238.70
4267122.00        0.02293
         608243.70    4267122.00        0.02198                    608248.70
4267122.00        0.02107
         608253.70    4267122.00        0.02019                    608258.70
4267122.00        0.01934
         608263.70    4267122.00        0.01852                    608268.70
4267122.00        0.01774
         608273.70    4267122.00        0.01699                    608278.70
4267122.00        0.01628
         608283.70    4267122.00        0.01559                    608288.70
4267122.00        0.01494
         608293.70    4267122.00        0.01431                    608298.70
4267122.00        0.01372
         608303.70    4267122.00        0.01315                    608308.70
4267122.00        0.01261
         608313.70    4267122.00        0.01210                    608233.70
4267127.00        0.02403
```

UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 101
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608238.70	4267127.00	0.02302	608243.70	4267127.00	0.02204
608248.70	4267127.00	0.02110	608253.70	4267127.00	0.02020
608258.70	4267127.00	0.01933	608263.70	4267127.00	0.01850
608268.70	4267127.00	0.01770	608273.70	4267127.00	0.01694
608278.70	4267127.00	0.01621	608283.70	4267127.00	0.01552
608288.70	4267127.00	0.01485	608293.70	4267127.00	0.01422
608298.70	4267127.00	0.01362	608303.70	4267127.00	0.01305
608165.70	4267052.20	0.02779	608170.70	4267052.20	0.02738
608175.70	4267052.20	0.02694	608180.70	4267052.20	0.02649
608185.70	4267052.20	0.02601	608190.70	4267052.20	0.02552
608195.70	4267052.20	0.02501	608200.70	4267052.20	0.02449
608205.70	4267052.20	0.02396	608210.70	4267052.20	0.02341

UMAll_AERMOD_output file

```
         608215.70    4267052.20        0.02286                    608220.70
4267052.20        0.02231
         608165.70    4267057.20        0.02852                    608170.70
4267057.20        0.02807
         608175.70    4267057.20        0.02760                    608180.70
4267057.20        0.02711
         608185.70    4267057.20        0.02660                    608190.70
4267057.20        0.02607
         608195.70    4267057.20        0.02553                    608200.70
4267057.20        0.02497
         608205.70    4267057.20        0.02441                    608210.70
4267057.20        0.02383
         608215.70    4267057.20        0.02325                    608220.70
4267057.20        0.02266
         608165.70    4267062.20        0.02927                    608170.70
4267062.20        0.02879
         608175.70    4267062.20        0.02828                    608180.70
4267062.20        0.02775
         608185.70    4267062.20        0.02720                    608190.70
4267062.20        0.02664
         608195.70    4267062.20        0.02605                    608200.70
4267062.20        0.02546
         608205.70    4267062.20        0.02486                    608210.70
4267062.20        0.02424
         608215.70    4267062.20        0.02363                    608220.70
4267062.20        0.02301
         608166.50    4267047.60        0.02457                    608171.50
4267047.60        0.02424
         608176.50    4267047.60        0.02389                    608181.50
4267047.60        0.02351
         608186.50    4267047.60        0.02312                    608191.50
4267047.60        0.02270
         608196.50    4267047.60        0.02228                    608201.50
4267047.60        0.02183
         608206.50    4267047.60        0.02138                    608211.50
4267047.60        0.02091
         608216.50    4267047.60        0.02044                    608166.50
4267052.60        0.02518
         608171.50    4267052.60        0.02482                    608176.50
4267052.60        0.02444
         608181.50    4267052.60        0.02403                    608186.50
4267052.60        0.02361
         608191.50    4267052.60        0.02317                    608196.50
4267052.60        0.02271
         608201.50    4267052.60        0.02223                    608206.50
4267052.60        0.02175
         608211.50    4267052.60        0.02126                    608216.50
4267052.60        0.02075
```

UMAll_AERMOD_output file

```
         608166.50    4267057.60        0.02580                       608171.50
4267057.60        0.02541
         608176.50    4267057.60        0.02500                       608181.50
4267057.60        0.02456
         608186.50    4267057.60        0.02411                       608191.50
4267057.60        0.02363
         608196.50    4267057.60        0.02314                       608201.50
4267057.60        0.02264
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608206.50    4267057.60        0.02212                       608211.50
4267057.60        0.02160
         608216.50    4267057.60        0.02107                       608166.50
4267062.60        0.02644
         608171.50    4267062.60        0.02602                       608176.50
4267062.60        0.02557
         608181.50    4267062.60        0.02510                       608186.50
4267062.60        0.02461
         608191.50    4267062.60        0.02410                       608196.50
4267062.60        0.02358
         608201.50    4267062.60        0.02304                       608206.50
4267062.60        0.02250
         608211.50    4267062.60        0.02194                       608216.50
4267062.60        0.02139
         608162.80    4267051.30        0.02282                       608167.80
4267051.30        0.02253
```

```
         608172.80    4267051.30        0.02221                    608177.80
4267051.30        0.02187
         608182.80    4267051.30        0.02151                    608187.80
4267051.30        0.02113
         608192.80    4267051.30        0.02073                    608197.80
4267051.30        0.02032
         608202.80    4267051.30        0.01990                    608207.80
4267051.30        0.01946
         608212.80    4267051.30        0.01902                    608217.80
4267051.30        0.01857
         608162.80    4267056.30        0.02337                    608167.80
4267056.30        0.02305
         608172.80    4267056.30        0.02271                    608177.80
4267056.30        0.02234
         608182.80    4267056.30        0.02195                    608187.80
4267056.30        0.02154
         608192.80    4267056.30        0.02112                    608197.80
4267056.30        0.02068
         608202.80    4267056.30        0.02023                    608207.80
4267056.30        0.01977
         608212.80    4267056.30        0.01930                    608217.80
4267056.30        0.01883
         608162.80    4267061.30        0.02393                    608167.80
4267061.30        0.02358
         608172.80    4267061.30        0.02321                    608177.80
4267061.30        0.02281
         608182.80    4267061.30        0.02240                    608187.80
4267061.30        0.02196
         608192.80    4267061.30        0.02151                    608197.80
4267061.30        0.02104
         608202.80    4267061.30        0.02057                    608207.80
4267061.30        0.02008
         608212.80    4267061.30        0.01958                    608217.80
4267061.30        0.01908
         608255.80    4267195.00        0.02635                    608275.80
4267195.00        0.02106
         608295.80    4267195.00        0.01709                    608315.80
4267195.00        0.01409
         608335.80    4267195.00        0.01180                    608355.80
4267195.00        0.01002
         608255.80    4267215.00        0.02577                    608275.80
4267215.00        0.02034
         608295.80    4267215.00        0.01640                    608315.80
4267215.00        0.01349
         608335.80    4267215.00        0.01131                    608355.80
4267215.00        0.00962
         608255.80    4267235.00        0.02495                    608275.80
4267235.00        0.01952
```

UMAll_AERMOD_output file

```
         608295.80    4267235.00        0.01571                        608315.80
4267235.00        0.01294
         608335.80    4267235.00        0.01088                        608355.80
4267235.00        0.00929
         608255.80    4267255.00        0.02394                        608275.80
4267255.00        0.01868
         608295.80    4267255.00        0.01506                        608315.80
4267255.00        0.01246
         608335.80    4267255.00        0.01052                        608355.80
4267255.00        0.00903
         608275.80    4267275.00        0.01791                        608295.80
4267275.00        0.01452
         608315.80    4267275.00        0.01208                        608335.80
4267275.00        0.01025
         608355.80    4267275.00        0.00883                        608275.80
4267295.00        0.01725
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608295.80    4267295.00        0.01408                        608315.80
4267295.00        0.01178
         608335.80    4267295.00        0.01003                        608355.80
4267295.00        0.00867
         608275.80    4267315.00        0.01667                        608295.80
4267315.00        0.01370
         608315.80    4267315.00        0.01151                        608335.80
4267315.00        0.00983
```

UMAll_AERMOD_output file

```
         608355.80    4267315.00        0.00852                    608275.80
4267335.00        0.01611
         608295.80    4267335.00        0.01332                    608315.80
4267335.00        0.01123
         608335.80    4267335.00        0.00963                    608355.80
4267335.00        0.00836
         608275.80    4267355.00        0.01551                    608295.80
4267355.00        0.01290
         608315.80    4267355.00        0.01093                    608335.80
4267355.00        0.00940
         608355.80    4267355.00        0.00819                    608175.80
4267375.00        0.05054
         608195.80    4267375.00        0.03773                    608215.80
4267375.00        0.02870
         608235.80    4267375.00        0.02247                    608255.80
4267375.00        0.01807
         608275.80    4267375.00        0.01485                    608295.80
4267375.00        0.01245
         608315.80    4267375.00        0.01060                    608335.80
4267375.00        0.00915
         608355.80    4267375.00        0.00799                    608175.80
4267395.00        0.04165
         608195.80    4267395.00        0.03264                    608215.80
4267395.00        0.02582
         608235.80    4267395.00        0.02077                    608255.80
4267395.00        0.01701
         608275.80    4267395.00        0.01415                    608295.80
4267395.00        0.01195
         608315.80    4267395.00        0.01023                    608335.80
4267395.00        0.00887
         608355.80    4267395.00        0.00777                    607875.80
4267415.00        0.04023
         607895.80    4267415.00        0.04878                    607915.80
4267415.00        0.05728
         607935.80    4267415.00        0.06466                    607955.80
4267415.00        0.07032
         607975.80    4267415.00        0.07426                    607995.80
4267415.00        0.07659
         608015.80    4267415.00        0.07742                    608035.80
4267415.00        0.07682
         608175.80    4267415.00        0.03524                    608195.80
4267415.00        0.02859
         608215.80    4267415.00        0.02329                    608235.80
4267415.00        0.01917
         608255.80    4267415.00        0.01595                    608275.80
4267415.00        0.01343
         608295.80    4267415.00        0.01144                    608315.80
4267415.00        0.00985
```

UMAll_AERMOD_output file

```
         608335.80    4267415.00        0.00857                        608355.80
4267415.00        0.00753
         607855.80    4267435.00        0.02990                        607875.80
4267435.00        0.03591
         607895.80    4267435.00        0.04243                        607915.80
4267435.00        0.04876
         607935.80    4267435.00        0.05424                        607955.80
4267435.00        0.05850
         607975.80    4267435.00        0.06150                        607995.80
4267435.00        0.06325
         608015.80    4267435.00        0.06380                        608035.80
4267435.00        0.06317
         608055.80    4267435.00        0.06134                        608095.80
4267435.00        0.05401
         608115.80    4267435.00        0.04867                        608135.80
4267435.00        0.04259
         608155.80    4267435.00        0.03630                        608175.80
4267435.00        0.03040
         608195.80    4267435.00        0.02530                        608215.80
4267435.00        0.02109
         608235.80    4267435.00        0.01769                        608255.80
4267435.00        0.01494
         608275.80    4267435.00        0.01272                        608295.80
4267435.00        0.01092
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                    PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_output file

```
         608315.80    4267435.00        0.00946                    608335.80
4267435.00        0.00827
         608355.80    4267435.00        0.00729                    607855.80
4267455.00        0.02736
         607875.80    4267455.00        0.03222                    607895.80
4267455.00        0.03732
         607915.80    4267455.00        0.04218                    607935.80
4267455.00        0.04637
         607955.80    4267455.00        0.04964                    607975.80
4267455.00        0.05193
         607995.80    4267455.00        0.05324                    608015.80
4267455.00        0.05357
         608035.80    4267455.00        0.05293                    608055.80
4267455.00        0.05130
         608075.80    4267455.00        0.04868                    608095.80
4267455.00        0.04514
         608115.80    4267455.00        0.04083                    608135.80
4267455.00        0.03604
         608155.80    4267455.00        0.03116                    608175.80
4267455.00        0.02659
         608195.80    4267455.00        0.02257                    608215.80
4267455.00        0.01917
         608235.80    4267455.00        0.01634                    608255.80
4267455.00        0.01398
         608275.80    4267455.00        0.01203                    608295.80
4267455.00        0.01042
         608315.80    4267455.00        0.00908                    608335.80
4267455.00        0.00797
         608355.80    4267455.00        0.00705                    607835.80
4267475.00        0.02149
         607855.80    4267475.00        0.02509                    607875.80
4267475.00        0.02907
         607895.80    4267475.00        0.03314                    607915.80
4267475.00        0.03696
         607935.80    4267475.00        0.04023                    607955.80
4267475.00        0.04277
         607975.80    4267475.00        0.04453                    607995.80
4267475.00        0.04550
         608015.80    4267475.00        0.04565                    608035.80
4267475.00        0.04501
         608055.80    4267475.00        0.04355                    608075.80
4267475.00        0.04131
         608095.80    4267475.00        0.03835                    608115.80
4267475.00        0.03484
         608135.80    4267475.00        0.03101                    608155.80
4267475.00        0.02715
         608175.80    4267475.00        0.02352                    608195.80
4267475.00        0.02029
```

UMAll_AERMOD_output file

```
         608215.80    4267475.00        0.01749                        608235.80
4267475.00        0.01511
         608255.80    4267475.00        0.01309                        608275.80
4267475.00        0.01138
         608295.80    4267475.00        0.00993                        608315.80
4267475.00        0.00871
         608335.80    4267475.00        0.00768                        608355.80
4267475.00        0.00682
         607815.80    4267495.00        0.01733                        607835.80
4267495.00        0.02002
         607855.80    4267495.00        0.02308                        607875.80
4267495.00        0.02637
         607895.80    4267495.00        0.02967                        607915.80
4267495.00        0.03272
         607935.80    4267495.00        0.03531                        607955.80
4267495.00        0.03730
         607975.80    4267495.00        0.03866                        607995.80
4267495.00        0.03935
         608015.80    4267495.00        0.03938                        608035.80
4267495.00        0.03874
         608055.80    4267495.00        0.03744                        608075.80
4267495.00        0.03551
         608095.80    4267495.00        0.03303                        608115.80
4267495.00        0.03014
         608135.80    4267495.00        0.02703                        608155.80
4267495.00        0.02391
         608175.80    4267495.00        0.02098                        608195.80
4267495.00        0.01834
         608215.80    4267495.00        0.01602                        608235.80
4267495.00        0.01400
         608255.80    4267495.00        0.01226                        608275.80
4267495.00        0.01075
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                    PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                     INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608295.80	4267495.00	0.00946	608315.80	4267495.00	0.00835
608335.80	4267495.00	0.00740	608355.80	4267495.00	0.00659
607815.80	4267515.00	0.01633	607835.80	4267515.00	0.01868
607855.80	4267515.00	0.02129	607875.80	4267515.00	0.02404
607895.80	4267515.00	0.02674	607915.80	4267515.00	0.02921
607935.80	4267515.00	0.03128	607955.80	4267515.00	0.03286
607975.80	4267515.00	0.03390	607995.80	4267515.00	0.03439
608015.80	4267515.00	0.03432	608035.80	4267515.00	0.03370
608055.80	4267515.00	0.03254	608075.80	4267515.00	0.03087
608095.80	4267515.00	0.02877	608115.80	4267515.00	0.02636
608135.80	4267515.00	0.02381	608155.80	4267515.00	0.02126
608175.80	4267515.00	0.01885	608195.80	4267515.00	0.01666
608215.80	4267515.00	0.01472	608235.80	4267515.00	0.01300
608255.80	4267515.00	0.01149	608275.80	4267515.00	0.01017
608295.80	4267515.00	0.00901	608315.80	4267515.00	0.00800
608335.80	4267515.00	0.00713	608355.80	4267515.00	0.00637
607915.80	4267535.00	0.02626	607935.80	4267535.00	0.02793
607955.80	4267535.00	0.02918	607975.80	4267535.00	0.02998
607995.80	4267535.00	0.03031	608015.80	4267535.00	0.03018
608035.80	4267535.00	0.02958	608055.80	4267535.00	0.02853

UMAll_AERMOD_output file

```
         608075.80    4267535.00        0.02708                        608095.80
4267535.00        0.02530
         608115.80    4267535.00        0.02328                        608135.80
4267535.00        0.02115
         608155.80    4267535.00        0.01903                        608195.80
4267535.00        0.01520
         608215.80    4267535.00        0.01356                        608235.80
4267535.00        0.01209
         608255.80    4267535.00        0.01078                        608275.80
4267535.00        0.00961
         608295.80    4267535.00        0.00858                        608315.80
4267535.00        0.00766
         608335.80    4267535.00        0.00686                        608355.80
4267535.00        0.00616
         608055.80    4267555.00        0.02522                        608075.80
4267555.00        0.02395
         608095.80    4267555.00        0.02242                        608115.80
4267555.00        0.02071
         608135.80    4267555.00        0.01892                        608155.80
4267555.00        0.01715
         608195.80    4267555.00        0.01393                        608215.80
4267555.00        0.01252
         608235.80    4267555.00        0.01126                        608255.80
4267555.00        0.01011
         608275.80    4267555.00        0.00909                        608295.80
4267555.00        0.00816
         608315.80    4267555.00        0.00734                        608335.80
4267555.00        0.00660
         608355.80    4267555.00        0.00595                        608195.80
4267575.00        0.01280
         608215.80    4267575.00        0.01160                        608235.80
4267575.00        0.01050
         608255.80    4267575.00        0.00950                        608275.80
4267575.00        0.00859
         608295.80    4267575.00        0.00777                        608315.80
4267575.00        0.00702
         608335.80    4267575.00        0.00635                        608355.80
4267575.00        0.00575
         608195.80    4267595.00        0.01180                        608215.80
4267595.00        0.01076
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       16:43:32

                                   PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608235.80	4267595.00	0.00981	608255.80	4267595.00	0.00893
608275.80	4267595.00	0.00813	608295.80	4267595.00	0.00739
608315.80	4267595.00	0.00672	608335.80	4267595.00	0.00611
608355.80	4267595.00	0.00556	608195.80	4267615.00	0.01091
608215.80	4267615.00	0.01001	608235.80	4267615.00	0.00918
608255.80	4267615.00	0.00841	608275.80	4267615.00	0.00769
608295.80	4267615.00	0.00704	608315.80	4267615.00	0.00643
608335.80	4267615.00	0.00587	608355.80	4267615.00	0.00536
608195.80	4267635.00	0.01012	608215.80	4267635.00	0.00933
608235.80	4267635.00	0.00860	608255.80	4267635.00	0.00792
608275.80	4267635.00	0.00728	608295.80	4267635.00	0.00669
608315.80	4267635.00	0.00615	608335.80	4267635.00	0.00564
608355.80	4267635.00	0.00517	607686.90	4267200.90	0.00797
607706.90	4267200.90	0.00893	607726.90	4267200.90	0.01008
607746.90	4267200.90	0.01146	607766.90	4267200.90	0.01314
607786.90	4267200.90	0.01524	607686.90	4267220.90	0.00802

UMAll_AERMOD_output file

```
         607706.90    4267220.90        0.00902                    607726.90
4267220.90        0.01022
         607746.90    4267220.90        0.01169                    607766.90
4267220.90        0.01350
         607786.90    4267220.90        0.01580                    607806.90
4267220.90        0.01878
         607686.90    4267240.90        0.00811                    607706.90
4267240.90        0.00914
         607726.90    4267240.90        0.01039                    607746.90
4267240.90        0.01194
         607766.90    4267240.90        0.01388                    607786.90
4267240.90        0.01636
         607806.90    4267240.90        0.01964                    607686.90
4267260.90        0.00828
         607706.90    4267260.90        0.00934                    607726.90
4267260.90        0.01064
         607746.90    4267260.90        0.01226                    607766.90
4267260.90        0.01430
         607786.90    4267260.90        0.01694                    607806.90
4267260.90        0.02048
         607686.90    4267280.90        0.00853                    607706.90
4267280.90        0.00964
         607726.90    4267280.90        0.01098                    607746.90
4267280.90        0.01266
         607766.90    4267280.90        0.01478                    607786.90
4267280.90        0.01755
         607806.90    4267280.90        0.02128                    607686.90
4267300.90        0.00887
         607706.90    4267300.90        0.01001                    607726.90
4267300.90        0.01140
         607746.90    4267300.90        0.01313                    607766.90
4267300.90        0.01531
         607786.90    4267300.90        0.01814                    607706.90
4267320.90        0.01041
         607726.90    4267320.90        0.01184                    607746.90
4267320.90        0.01359
         607766.90    4267320.90        0.01579                    607786.90
4267320.90        0.01864
         607746.90    4267340.90        0.01393                    607766.90
4267340.90        0.01611
         607666.90    4267380.90        0.00899                    607686.90
4267380.90        0.00994
         607706.90    4267380.90        0.01106                    607726.90
4267380.90        0.01238
         607746.90    4267380.90        0.01398                    607766.90
4267380.90        0.01597
         607786.90    4267380.90        0.01853                    607666.90
4267400.90        0.00900
```

UMAll_AERMOD_output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 107
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607686.90	4267400.90	0.00989	607706.90	4267400.90	0.01093
607726.90	4267400.90	0.01217	607746.90	4267400.90	0.01366
607766.90	4267400.90	0.01552	607786.90	4267400.90	0.01791
607806.90	4267400.90	0.02109	607826.90	4267400.90	0.02544
607666.90	4267420.90	0.00886	607686.90	4267420.90	0.00968
607706.90	4267420.90	0.01064	607726.90	4267420.90	0.01179
607746.90	4267420.90	0.01318	607766.90	4267420.90	0.01491
607786.90	4267420.90	0.01714	607806.90	4267420.90	0.02008
607826.90	4267420.90	0.02397	607686.90	4267440.90	0.00936
607706.90	4267440.90	0.01025	607726.90	4267440.90	0.01131
607746.90	4267440.90	0.01261	607766.90	4267440.90	0.01424
607786.90	4267440.90	0.01632	607806.90	4267440.90	0.01901

UMAll_AERMOD_output file

```
         607726.90    4267460.90        0.01080                    607746.90
4267460.90        0.01203
         607766.90    4267460.90        0.01357                    607786.90
4267460.90        0.01550
         607806.90    4267460.90        0.01795                    607786.90
4267480.90        0.01472
         607885.30    4266901.70        0.01013                    607905.30
4266901.70        0.01105
         607925.30    4266901.70        0.01192                    607945.30
4266901.70        0.01273
         607985.30    4266901.70        0.01412                    607885.30
4266921.70        0.01074
         607905.30    4266921.70        0.01178                    607925.30
4266921.70        0.01279
         607945.30    4266921.70        0.01373                    607985.30
4266921.70        0.01538
         607885.30    4266941.70        0.01142                    607905.30
4266941.70        0.01260
         607925.30    4266941.70        0.01376                    607945.30
4266941.70        0.01486
         607965.30    4266941.70        0.01589                    607985.30
4266941.70        0.01684
         607725.30    4266961.70        0.00555                    607745.30
4266961.70        0.00596
         607765.30    4266961.70        0.00645                    607785.30
4266961.70        0.00705
         607805.30    4266961.70        0.00778                    607825.30
4266961.70        0.00866
         607845.30    4266961.70        0.00970                    607865.30
4266961.70        0.01088
         607885.30    4266961.70        0.01218                    607905.30
4266961.70        0.01352
         607925.30    4266961.70        0.01486                    607945.30
4266961.70        0.01615
         607965.30    4266961.70        0.01738                    607985.30
4266961.70        0.01854
         607725.30    4266981.70        0.00590                    607745.30
4266981.70        0.00633
         607765.30    4266981.70        0.00684                    607785.30
4266981.70        0.00747
         607805.30    4266981.70        0.00824                    607825.30
4266981.70        0.00918
         607845.30    4266981.70        0.01030                    607865.30
4266981.70        0.01159
         607945.30    4266981.70        0.01766                    607965.30
4266981.70        0.01913
         607725.30    4267001.70        0.00629                    607745.30
4267001.70        0.00675
```

UMAll_AERMOD_output file

```
         607765.30    4267001.70        0.00729                       607785.30
4267001.70        0.00795
         607805.30    4267001.70        0.00877                       607825.30
4267001.70        0.00977
         607845.30    4267001.70        0.01098                       607865.30
4267001.70        0.01242
         607945.30    4267001.70        0.01942                       607965.30
4267001.70        0.02120
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607725.30    4267021.70        0.00672                       607745.30
4267021.70        0.00721
         607765.30    4267021.70        0.00780                       607785.30
4267021.70        0.00851
         607805.30    4267021.70        0.00938                       607825.30
4267021.70        0.01046
         607845.30    4267021.70        0.01178                       607865.30
4267021.70        0.01337
         607725.30    4267041.70        0.00717                       607745.30
4267041.70        0.00772
         607765.30    4267041.70        0.00836                       607785.30
4267041.70        0.00913
         607805.30    4267041.70        0.01008                       607825.30
4267041.70        0.01126
         607845.30    4267041.70        0.01271                       607865.30
4267041.70        0.01449
```

UMAll_AERMOD_output file

```
         607725.30    4267061.70        0.00764                    607745.30
4267061.70        0.00826
         607765.30    4267061.70        0.00898                    607785.30
4267061.70        0.00983
         607805.30    4267061.70        0.01088                    607825.30
4267061.70        0.01217
         607845.30    4267061.70        0.01379                    607865.30
4267061.70        0.01580
         607725.30    4267081.70        0.00813                    607745.30
4267081.70        0.00883
         607765.30    4267081.70        0.00964                    607785.30
4267081.70        0.01060
         607805.30    4267081.70        0.01177                    607825.30
4267081.70        0.01322
         607845.30    4267081.70        0.01505                    607865.30
4267081.70        0.01735
         607725.30    4267101.70        0.00859                    607745.30
4267101.70        0.00939
         607765.30    4267101.70        0.01032                    607785.30
4267101.70        0.01142
         607805.30    4267101.70        0.01275                    607825.30
4267101.70        0.01441
         607845.30    4267101.70        0.01650                    607865.30
4267101.70        0.01917
         607725.30    4267121.70        0.00901                    608160.20
4266951.30        0.02061
         608180.20    4266951.30        0.02016                    608200.20
4266951.30        0.01955
         608260.20    4266951.30        0.01689                    608280.20
4266951.30        0.01582
         608300.20    4266951.30        0.01472                    608320.20
4266951.30        0.01361
         608160.20    4266971.30        0.02285                    608180.20
4266971.30        0.02220
         608200.20    4266971.30        0.02137                    608365.80
4266905.80        0.01052
         608395.80    4266905.80        0.00938                    608425.80
4266905.80        0.00833
         608455.80    4266905.80        0.00738                    608485.80
4266905.80        0.00655
         608365.80    4266935.80        0.01100                    608395.80
4266935.80        0.00968
         608425.80    4266935.80        0.00850                    608455.80
4266935.80        0.00746
         608485.80    4266935.80        0.00655                    608365.80
4266965.80        0.01140
         608395.80    4266965.80        0.00989                    608425.80
4266965.80        0.00858
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UMAll_AERMOD_output file

```
         608455.80    4266965.80        0.00744                        608485.80
4266965.80        0.00647
         608365.80    4266995.80        0.01168                        608395.80
4266995.80        0.00999
         608425.80    4266995.80        0.00854                        608455.80
4266995.80        0.00732
         608485.80    4266995.80        0.00630                        608365.80
4267025.80        0.01180
         608395.80    4267025.80        0.00992                        608425.80
4267025.80        0.00837
         608455.80    4267025.80        0.00710                        608485.80
4267025.80        0.00605
         608365.80    4267055.80        0.01170                        608395.80
4267055.80        0.00969
         608425.80    4267055.80        0.00808                        608455.80
4267055.80        0.00678
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        16:43:32

                                   PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608485.80    4267055.80        0.00574                        608365.80
4267085.80        0.01139
         608395.80    4267085.80        0.00930                        608425.80
4267085.80        0.00768
         608455.80    4267085.80        0.00641                        608485.80
4267085.80        0.00541
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
```

UMAll_AERMOD_output file
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 110
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607904.50	4267338.70	4.62578	(10031419)	607909.50	4267338.70	4.62313	(10031419)
607914.50	4267338.70	4.62005	(09031119)	607919.50	4267338.70	4.62081	(09031119)
607904.50	4267343.70	4.59282	(09031119)	607909.50	4267343.70	4.59927	(09031119)
607914.50	4267343.70	4.59923	(09031119)	607919.50	4267343.70	4.59214	(09031119)
607939.50	4267343.70	4.67978	(12010219)	607944.50	4267343.70	4.68391	(12010219)
607904.50	4267348.70	4.56388	(09031119)	607909.50	4267348.70	4.56207	(09031119)
607914.50	4267348.70	4.55343	(09031119)	607934.50	4267348.70	4.63810	(12010219)
607939.50	4267348.70	4.64297	(12010219)	607944.50	4267348.70	4.63576	(12010219)
607949.50	4267348.70	4.62785	(12120318)	607954.50	4267348.70	4.62230	(12120318)
607959.50	4267348.70	4.60097	(12120318)	607964.50	4267348.70	3.24314	(12010219)
607969.50	4267348.70	3.25879	(12010219)	607974.50	4267348.70	3.27150	(12010219)
607979.50	4267348.70	3.28991	(12120318)	607984.50	4267348.70	3.30756	(12120318)
607989.50	4267348.70	3.37054	(12010608)	607994.50	4267348.70	3.39136	(12010608)

UMAll_AERMOD_output file

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       607999.50   4267348.70        3.40680  (12030320)              608004.50
4267348.70        3.44688  (12030320)
       608009.50   4267348.70        3.47571  (12030320)              608014.50
4267348.70        3.49081  (12030320)
       607899.50   4267353.70        5.53377  (12010219)              607904.50
4267353.70        4.51072  (09031119)
       607909.50   4267353.70        4.49973  (09031119)              607914.50
4267353.70        4.50988  (12010219)
       607934.50   4267353.70        4.58788  (12010219)              607939.50
4267353.70        4.58357  (12120318)
       607944.50   4267353.70        4.59537  (12120318)              607949.50
4267353.70        4.59273  (12120318)
       607954.50   4267353.70        4.57520  (12120318)              607959.50
4267353.70        4.57231  (12010608)
       607964.50   4267353.70        4.55429  (12010608)              607969.50
4267353.70        3.23909  (12120318)
       607974.50   4267353.70        3.26146  (12120318)              607979.50
4267353.70        3.32832  (12010608)
       607984.50   4267353.70        3.35170  (12010608)              607989.50
4267353.70        3.37129  (12010608)
       607994.50   4267353.70        3.38676  (12010608)              607999.50
4267353.70        3.41423  (12030320)
       608004.50   4267353.70        3.44788  (12030320)              608009.50
4267353.70        3.46919  (12030320)
       608014.50   4267353.70        3.47604  (12030320)              607899.50
4267358.70        5.43688  (12010219)
       607904.50   4267358.70        5.39412  (12010219)              607909.50
4267358.70        5.34128  (12120318)
       607934.50   4267358.70        4.53796  (12120318)              607939.50
4267358.70        4.55056  (12120318)
       607944.50   4267358.70        4.54950  (12120318)              607949.50
4267358.70        4.54552  (12010608)
       607954.50   4267358.70        4.54968  (12010608)              607959.50
4267358.70        4.53694  (12010608)
       607964.50   4267358.70        4.51181  (12123119)              607969.50
4267358.70        4.50007  (12030320)
       607974.50   4267358.70        3.32038  (12010608)              607979.50
4267358.70        3.33293  (12010608)
       607984.50   4267358.70        3.34883  (12010608)              607989.50
4267358.70        3.36356  (12123119)
       607994.50   4267358.70        3.37998  (12123119)              607999.50
4267358.70        3.41229  (12030320)
       608004.50   4267358.70        3.43685  (12030320)              608009.50
4267358.70        3.44952  (12030320)
       608014.50   4267358.70        3.47220  (13120919)              607899.50
4267363.70        5.31751  (12120318)
       607904.50   4267363.70        5.29637  (12120318)              607909.50
4267363.70        5.26312  (12120318)
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UMAll_AERMOD_output file

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       607934.50   4267363.70        4.49607  (12120318)                607939.50
 4267363.70        4.49557  (12120318)
       607944.50   4267363.70        4.50705  (12010608)                607949.50
 4267363.70        4.51452  (12010608)
       607954.50   4267363.70        4.50581  (12010608)                607959.50
 4267363.70        4.73377  (12030320)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607964.50   4267363.70        4.68061  (12030320)                607969.50
 4267363.70        4.62072  (12030320)
       607974.50   4267363.70        4.55391  (12030320)                607979.50
 4267363.70        4.48511  (13120919)
       607984.50   4267363.70        4.43114  (13120919)                607989.50
 4267363.70        3.35499  (10020319)
       607994.50   4267363.70        3.37342  (12030320)                607999.50
 4267363.70        3.39866  (12030320)
       608004.50   4267363.70        3.41987  (13120919)                608009.50
 4267363.70        3.45179  (13120919)
       608014.50   4267363.70        3.47111  (10012719)                607899.50
 4267368.70        5.23783  (12120318)
       607904.50   4267368.70        5.20621  (12120318)                607909.50
 4267368.70        5.16392  (12120318)
       607914.50   4267368.70        5.11484  (12010608)                607919.50
 4267368.70        5.08291  (12010608)
       607924.50   4267368.70        5.04204  (12010608)                607929.50
 4267368.70        4.99339  (12010608)
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UMAll_AERMOD_output file

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       607934.50   4267368.70        4.93787  (12010608)              607939.50
4267368.70        4.87990  (12123119)
       607944.50   4267368.70        4.82287  (12123119)              607949.50
4267368.70        4.76537  (10020319)
       607954.50   4267368.70        4.71936  (12030320)              607959.50
4267368.70        4.66835  (12030320)
       607964.50   4267368.70        4.61100  (12030320)              607969.50
4267368.70        4.54910  (13120919)
       607974.50   4267368.70        4.50603  (13120919)              607979.50
4267368.70        4.45523  (13120919)
       607984.50   4267368.70        4.39736  (10012719)              607989.50
4267368.70        4.36201  (13032320)
       607994.50   4267368.70        4.32621  (13032320)              607999.50
4267368.70        4.28402  (13032320)
       608004.50   4267368.70        4.23624  (13032320)              608009.50
4267368.70        4.19760  (09030919)
       608014.50   4267368.70        4.15619  (09030919)              607899.50
4267373.70        5.13835  (12120318)
       607904.50   4267373.70        5.09730  (12120318)              607909.50
4267373.70        5.07392  (12010608)
       607914.50   4267373.70        5.04420  (12010608)              607919.50
4267373.70        5.00531  (12010608)
       607924.50   4267373.70        4.95840  (12010608)              607929.50
4267373.70        4.90471  (12123119)
       607934.50   4267373.70        4.85519  (12123119)              607939.50
4267373.70        4.80003  (10020319)
       607944.50   4267373.70        4.74931  (10020319)              607949.50
4267373.70        4.69275  (10020319)
       607954.50   4267373.70        4.64257  (12030320)              607959.50
4267373.70        4.58715  (12030320)
       607964.50   4267373.70        4.55337  (13120919)              607969.50
4267373.70        4.51306  (13120919)
       607974.50   4267373.70        4.46533  (13120919)              607979.50
4267373.70        4.41134  (10012719)
       607984.50   4267373.70        4.36246  (13032320)              607989.50
4267373.70        4.33071  (13032320)
       607994.50   4267373.70        4.29217  (13032320)              607999.50
4267373.70        4.24748  (13032320)
       608004.50   4267373.70        4.21072  (09030919)              608009.50
4267373.70        4.17126  (09030919)
       608014.50   4267373.70        4.12779  (09030919)              607894.50
4267378.70        5.06233  (12120318)
       607899.50   4267378.70        5.04068  (12010608)              607904.50
4267378.70        5.02354  (12010608)
       607909.50   4267378.70        4.99575  (12010608)              607914.50
4267378.70        4.95860  (12010608)
       607919.50   4267378.70        4.91323  (12010608)              607924.50
4267378.70        4.86818  (12123119)
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UMAll_AERMOD_output file

607929.50 4267378.70 4.82001 (12123119) 607934.50 4267378.70 4.77211 (10020319)
607939.50 4267378.70 4.72261 (10020319) 607944.50 4267378.70 4.66732 (10020319)
607949.50 4267378.70 4.60715 (12030320) 607954.50 4267378.70 4.57855 (13120919)
607959.50 4267378.70 4.54709 (13120919) 607964.50 4267378.70 4.50915 (13120919)
607969.50 4267378.70 4.46419 (13120919) 607974.50 4267378.70 4.41407 (10012719)
607979.50 4267378.70 4.36841 (12122919) 607984.50 4267378.70 4.32450 (13032320)
607989.50 4267378.70 4.28978 (13032320) 607994.50 4267378.70 4.24856 (13032320)

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607999.50	4267378.70	4.21409	(09030919)	608004.50	4267378.70	4.17717	(09030919)
608009.50	4267378.70	4.13584	(09030919)	608014.50	4267378.70	4.09014	(09030919)
607889.50	4267383.70	4.98477	(12010608)	607894.50	4267383.70	4.98130	(12010608)
607899.50	4267383.70	4.96591	(12010608)	607904.50	4267383.70	4.93982	(12010608)
607909.50	4267383.70	4.90423	(12010608)	607914.50	4267383.70	4.86349	(12123119)

UMAll_AERMOD_output file

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       607919.50   4267383.70        4.82368  (12123119)                607924.50
4267383.70        4.77837  (10020319)
       607929.50   4267383.70        4.73614  (10020319)                607934.50
4267383.70        4.68781  (10020319)
       607939.50   4267383.70        4.63367  (10020319)                607944.50
4267383.70        4.58665  (13120919)
       607949.50   4267383.70        4.56236  (13120919)                607954.50
4267383.70        4.53254  (13120919)
       607959.50   4267383.70        4.49664  (13120919)                607964.50
4267383.70        4.45414  (13120919)
       607969.50   4267383.70        4.40770  (10012719)                607974.50
4267383.70        4.36571  (12122919)
       607979.50   4267383.70        4.32241  (12122919)                607984.50
4267383.70        4.27852  (13032320)
       607989.50   4267383.70        4.24093  (13032320)                607994.50
4267383.70        4.20879  (09030919)
       607999.50   4267383.70        4.17493  (09030919)                608004.50
4267383.70        4.13619  (09030919)
       608009.50   4267383.70        4.09284  (09030919)                608014.50
4267383.70        4.04732  (13021620)
       607889.50   4267388.70        4.91669  (12010608)                607894.50
4267388.70        4.90280  (12010608)
       607899.50   4267388.70        4.87820  (12010608)                607904.50
4267388.70        4.84406  (12010608)
       607909.50   4267388.70        4.81131  (12123119)                607914.50
4267388.70        4.77301  (12123119)
       607919.50   4267388.70        4.73477  (10020319)                607924.50
4267388.70        4.69389  (10020319)
       607929.50   4267388.70        4.64674  (10020319)                607934.50
4267388.70        4.59374  (10020319)
       607939.50   4267388.70        4.56273  (13120919)                607944.50
4267388.70        4.53975  (13120919)
       607949.50   4267388.70        4.51141  (13120919)                607954.50
4267388.70        4.47732  (13120919)
       607959.50   4267388.70        4.43700  (13120919)                607964.50
4267388.70        4.39400  (10012719)
       607969.50   4267388.70        4.35537  (12122919)                607974.50
4267388.70        4.31529  (12122919)
       607979.50   4267388.70        4.27298  (11012518)                607984.50
4267388.70        4.23600  (10122318)
       607989.50   4267388.70        4.20314  (10122318)                607994.50
4267388.70        4.16543  (09030919)
       607999.50   4267388.70        4.12968  (09030919)                608004.50
4267388.70        4.08900  (09030919)
       608009.50   4267388.70        4.05311  (13021620)                608014.50
4267388.70        4.03084  (13021620)
       607889.50   4267393.70        4.83564  (12010608)                607894.50
4267393.70        4.81238  (12010608)
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UMAll_AERMOD_output file

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       607899.50   4267393.70        4.78285  (12123119)                607904.50
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       607909.50   4267393.70        4.71852  (10020319)                607914.50
 4267393.70        4.68620  (10020319)
       607919.50   4267393.70        4.64673  (10020319)                607924.50
 4267393.70        4.60083  (10020319)
       607929.50   4267393.70        4.54971  (13120919)                607934.50
 4267393.70        4.53350  (13120919)
       607939.50   4267393.70        4.51192  (13120919)                607944.50
 4267393.70        4.48501  (13120919)
       607949.50   4267393.70        4.45257  (13120919)                607954.50
 4267393.70        4.41421  (13120919)
       607959.50   4267393.70        4.37437  (10012719)                607964.50
 4267393.70        4.33879  (12122919)
       607969.50   4267393.70        4.30171  (12122919)                607974.50
 4267393.70        4.26190  (11012518)
       607979.50   4267393.70        4.22719  (10122318)                607984.50
 4267393.70        4.19790  (10122318)
       607989.50   4267393.70        4.16250  (10122318)                607994.50
 4267393.70        4.12452  (09011118)
       607999.50   4267393.70        4.08642  (09011118)                608004.50
 4267393.70        4.05267  (13021620)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608009.50   4267393.70        4.03208  (13021620)                608014.50
 4267393.70        4.01145  (11120818)
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UMAll_AERMOD_output file

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       608135.70   4267336.30        4.19120  (10030620)              608140.70
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       608145.70   4267336.30        4.05886  (09120419)              608150.70
4267336.30        4.00835  (09120419)
       608135.70   4267341.30        4.07898  (10030620)              608140.70
4267341.30        4.01973  (10030620)
       608145.70   4267341.30        3.95650  (10030620)              608150.70
4267341.30        3.89013  (10030620)
       608080.70   4267346.30        2.98519  (10030620)              608085.70
4267346.30        2.87377  (10030620)
       608090.70   4267346.30        2.84694  (10030620)              608095.70
4267346.30        2.81827  (10030620)
       608100.70   4267346.30        2.78838  (10030620)              608105.70
4267346.30        2.75783  (10030620)
       608110.70   4267346.30        2.72709  (10030620)              608115.70
4267346.30        4.06086  (10030620)
       608120.70   4267346.30        4.04362  (10030620)              608125.70
4267346.30        4.01774  (10030620)
       608130.70   4267346.30        3.98434  (10030620)              608135.70
4267346.30        3.94447  (10030620)
       608140.70   4267346.30        3.89907  (10030620)              608145.70
4267346.30        3.84902  (10030620)
       608150.70   4267346.30        3.79508  (10030620)              608060.70
4267351.30        2.83240  (10030620)
       608065.70   4267351.30        2.84320  (10030620)              608070.70
4267351.30        2.84782  (10030620)
       608075.70   4267351.30        2.84709  (10030620)              608080.70
4267351.30        2.84178  (10030620)
       608085.70   4267351.30        2.83262  (10030620)              608090.70
4267351.30        2.72767  (10030620)
       608095.70   4267351.30        2.70737  (10030620)              608100.70
4267351.30        2.68504  (10030620)
       608105.70   4267351.30        2.66124  (10030620)              608110.70
4267351.30        3.84280  (10030620)
       608115.70   4267351.30        3.84897  (10030620)              608120.70
4267351.30        3.84598  (10030620)
       608125.70   4267351.30        3.83466  (10030620)              608130.70
4267351.30        3.81581  (10030620)
       608135.70   4267351.30        3.79026  (10030620)              608140.70
4267351.30        3.75878  (10030620)
       608145.70   4267351.30        3.72211  (10030620)              608150.70
4267351.30        3.68094  (10030620)
       608155.70   4267351.30        3.63590  (10030620)              608060.70
4267356.30        2.75645  (09011020)
       608065.70   4267356.30        2.69686  (12020520)              608070.70
4267356.30        2.67304  (10030620)
       608075.70   4267356.30        2.68256  (10030620)              608080.70
4267356.30        2.68710  (10030620)
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UMAll_AERMOD_output file

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       608085.70   4267356.30        2.68728  (10030620)                608090.70
 4267356.30        2.68363  (10030620)
       608095.70   4267356.30        2.67668  (10030620)                608100.70
 4267356.30        2.57166  (10030620)
       608105.70   4267356.30        3.57868  (10030620)                608110.70
 4267356.30        3.60588  (10030620)
       608115.70   4267356.30        3.62429  (10030620)                608120.70
 4267356.30        3.63434  (10030620)
       608125.70   4267356.30        3.63653  (10030620)                608130.70
 4267356.30        3.63141  (10030620)
       608135.70   4267356.30        3.61956  (10030620)                608140.70
 4267356.30        3.60159  (10030620)
       608145.70   4267356.30        3.57809  (10030620)                608150.70
 4267356.30        3.54964  (10030620)
       608155.70   4267356.30        3.51681  (10030620)                608060.70
 4267361.30        2.68479  (09011020)
       608065.70   4267361.30        2.62945  (09011020)                608070.70
 4267361.30        2.57582  (09011020)
       608075.70   4267361.30        2.52939  (12020520)                608080.70
 4267361.30        2.52374  (10030620)
       608085.70   4267361.30        2.53298  (10030620)                608090.70
 4267361.30        2.53799  (10030620)
       608095.70   4267361.30        3.66422  (13011019)                608100.70
 4267361.30        3.67334  (09011020)
       608105.70   4267361.30        3.68521  (09011020)                608110.70
 4267361.30        3.36290  (10030620)
       608115.70   4267361.30        3.39189  (10030620)                608120.70
 4267361.30        3.41341  (10030620)
       608125.70   4267361.30        3.42770  (10030620)                608130.70
 4267361.30        3.43508  (10030620)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608135.70	4267361.30	3.43592	(10030620)	608140.70	4267361.30	3.43065	(10030620)
608145.70	4267361.30	3.41971	(10030620)	608150.70	4267361.30	3.40356	(10030620)
608155.70	4267361.30	3.38268	(10030620)	608060.70	4267366.30	3.95217	(11090719)
608065.70	4267366.30	3.92526	(11090719)	608070.70	4267366.30	3.88729	(11090719)
608075.70	4267366.30	3.83751	(11090719)	608080.70	4267366.30	3.77614	(11090719)
608085.70	4267366.30	3.70414	(11090719)	608090.70	4267366.30	3.62281	(11090719)
608095.70	4267366.30	3.53333	(11090719)	608100.70	4267366.30	3.53508	(13011019)
608105.70	4267366.30	3.54143	(09011020)	608110.70	4267366.30	3.55283	(09011020)
608115.70	4267366.30	3.56157	(09011020)	608120.70	4267366.30	3.56672	(09011020)
608125.70	4267366.30	3.57103	(12020520)	608130.70	4267366.30	3.57293	(12020520)
608135.70	4267366.30	3.62018	(10030620)	608140.70	4267366.30	3.68387	(10030620)
608145.70	4267366.30	3.74295	(10030620)	608150.70	4267366.30	3.79683	(10030620)
608155.70	4267366.30	3.84501	(10030620)	608060.70	4267371.30	3.93414	(09011119)
608065.70	4267371.30	3.91483	(09011119)	608070.70	4267371.30	3.88351	(09011119)
608075.70	4267371.30	3.83852	(09011119)	608080.70	4267371.30	3.77932	(09011119)
608085.70	4267371.30	3.70638	(09011119)	608090.70	4267371.30	3.62079	(09011119)
608095.70	4267371.30	3.52386	(09011119)	608100.70	4267371.30	3.41661	(09011119)
608105.70	4267371.30	3.41079	(13011019)	608110.70	4267371.30	3.41312	(09011020)
608115.70	4267371.30	3.42361	(09011020)	608120.70	4267371.30	3.43074	(09011020)
608125.70	4267371.30	3.43344	(09011020)	608130.70	4267371.30	3.43229	(12020520)
608135.70	4267371.30	3.43085	(12020520)	608140.70	4267371.30	3.42142	(12020520)

UMAll_AERMOD_output file

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       608145.70   4267371.30        3.47420  (10030620)                608150.70
 4267371.30        3.53009  (10030620)
       608155.70   4267371.30        3.58166  (10030620)                608060.70
 4267376.30        3.94067  (09011119)
       608065.70   4267376.30        3.92019  (09011119)                608070.70
 4267376.30        3.88798  (09011119)
       608075.70   4267376.30        3.84250  (09011119)                608080.70
 4267376.30        3.78322  (09011119)
       608085.70   4267376.30        3.71057  (09011119)                608090.70
 4267376.30        3.62554  (09011119)
       608095.70   4267376.30        3.52930  (09011119)                608100.70
 4267376.30        3.42275  (09011119)
       608105.70   4267376.30        3.30623  (09011119)                608110.70
 4267376.30        3.29208  (13011019)
       608115.70   4267376.30        3.29102  (13011019)                608120.70
 4267376.30        3.29945  (09011020)
       608125.70   4267376.30        3.30474  (09011020)                608130.70
 4267376.30        3.30495  (09011020)
       608135.70   4267376.30        3.29908  (12020520)                608140.70
 4267376.30        3.29481  (12020520)
       608145.70   4267376.30        3.28245  (12020520)                608150.70
 4267376.30        3.27151  (10030418)
       608155.70   4267376.30        3.32548  (10030620)                608060.70
 4267381.30        3.93999  (13012018)
       608065.70   4267381.30        3.91838  (13012018)                608070.70
 4267381.30        3.88536  (13012018)
       608075.70   4267381.30        3.83946  (09011119)                608080.70
 4267381.30        3.78020  (09011119)
       608085.70   4267381.30        3.70791  (09011119)                608090.70
 4267381.30        3.62350  (09011119)
       608095.70   4267381.30        3.52799  (09011119)                608100.70
 4267381.30        3.42215  (09011119)
       608105.70   4267381.30        3.30626  (09011119)                608110.70
 4267381.30        3.17991  (09011119)
       608115.70   4267381.30        3.17904  (13011019)                608120.70
 4267381.30        3.17625  (13011019)
       608125.70   4267381.30        3.18112  (09011020)                608130.70
 4267381.30        3.18442  (09011020)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        16:43:32

                                  PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608135.70	4267381.30	3.18213	(09011020)	608140.70	4267381.30	3.17308	(09011020)
608145.70	4267381.30	3.16567	(12020520)	608150.70	4267381.30	3.15088	(12020520)
608155.70	4267381.30	3.12714	(12020520)	608060.70	4267386.30	3.93316	(13012018)
608065.70	4267386.30	3.91048	(13012018)	608070.70	4267386.30	3.87671	(13012018)
608075.70	4267386.30	3.83048	(13012018)	608080.70	4267386.30	3.77128	(13012018)
608085.70	4267386.30	3.69942	(13012018)	608090.70	4267386.30	3.61566	(13012018)
608095.70	4267386.30	3.52089	(13012018)	608100.70	4267386.30	3.41578	(13012018)
608105.70	4267386.30	3.30052	(13012018)	608110.70	4267386.30	3.17469	(13012018)
608115.70	4267386.30	3.07190	(13011019)	608120.70	4267386.30	3.07141	(13011019)
608125.70	4267386.30	3.06648	(13011019)	608130.70	4267386.30	3.06879	(09011020)
608135.70	4267386.30	3.06999	(09011020)	608140.70	4267386.30	3.06523	(09011020)
608145.70	4267386.30	3.05347	(09011020)	608150.70	4267386.30	3.04360	(12020520)
608155.70	4267386.30	3.02676	(12020520)	608060.70	4267391.30	3.92111	(13012018)
608065.70	4267391.30	3.89742	(13012018)	608070.70	4267391.30	3.86296	(13012018)
608075.70	4267391.30	3.81644	(13012018)	608080.70	4267391.30	3.75737	(13012018)
608085.70	4267391.30	3.68596	(13012018)	608090.70	4267391.30	3.60286	(13012018)
608095.70	4267391.30	3.50885	(13012018)	608100.70	4267391.30	3.40447	(13012018)

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       608105.70   4267391.30        3.28985  (13012018)              608110.70
4267391.30        3.16457  (13012018)
       608115.70   4267391.30        3.02782  (13012018)              608120.70
4267391.30        2.97118  (13011019)
       608125.70   4267391.30        2.96876  (13011019)              608130.70
4267391.30        2.96137  (13011019)
       608135.70   4267391.30        2.96227  (09011020)              608140.70
4267391.30        2.96132  (09011020)
       608145.70   4267391.30        2.95415  (09011020)              608150.70
4267391.30        2.93988  (09011020)
       608155.70   4267391.30        2.92843  (12020520)              608060.70
4267396.30        3.90466  (13012018)
       608065.70   4267396.30        3.88001  (13012018)              608070.70
4267396.30        3.84492  (13012018)
       608075.70   4267396.30        3.79816  (13012018)              608080.70
4267396.30        3.73923  (13012018)
       608085.70   4267396.30        3.66829  (13012018)              608090.70
4267396.30        3.58587  (13012018)
       608095.70   4267396.30        3.49261  (13012018)              608100.70
4267396.30        3.38896  (13012018)
       608105.70   4267396.30        3.27499  (13012018)              608110.70
4267396.30        3.15028  (13012018)
       608115.70   4267396.30        3.01410  (13012018)              608120.70
4267396.30        2.87531  (13011019)
       608125.70   4267396.30        2.87527  (13011019)              608130.70
4267396.30        2.87062  (13011019)
       608135.70   4267396.30        2.86056  (13011019)              608140.70
4267396.30        2.86123  (09011020)
       608145.70   4267396.30        2.85812  (09011020)              608150.70
4267396.30        2.84866  (09011020)
       608155.70   4267396.30        2.83238  (12020520)              608055.70
4267401.30        3.90169  (13012018)
       608060.70   4267401.30        3.88449  (13012018)              608065.70
4267401.30        3.85895  (13012018)
       608070.70   4267401.30        3.82327  (13012018)              608075.70
4267401.30        3.77631  (13012018)
       608080.70   4267401.30        3.71755  (13012018)              608085.70
4267401.30        3.64708  (13012018)
       608090.70   4267401.30        3.56532  (13012018)              608095.70
4267401.30        3.47281  (13012018)
       608100.70   4267401.30        3.36989  (13012018)              608105.70
4267401.30        3.25657  (13012018)
       608110.70   4267401.30        3.13248  (13012018)              608115.70
4267401.30        2.99692  (13012018)
       608120.70   4267401.30        2.84914  (13012018)              608125.70
4267401.30        2.78573  (13011019)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***       06/18/19
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UMAll_AERMOD_output file
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 116
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608130.70	4267401.30	2.78365	(13011019)	608135.70	4267401.30	2.77657	(13011019)
608140.70	4267401.30	2.76481	(09011020)	608145.70	4267401.30	2.76530	(09011020)
608150.70	4267401.30	2.76008	(09011020)	608155.70	4267401.30	2.74845	(09011020)
608055.70	4267406.30	3.87945	(13012018)	608060.70	4267406.30	3.86122	(13012018)
608065.70	4267406.30	3.83484	(13012018)	608070.70	4267406.30	3.79863	(13012018)
608075.70	4267406.30	3.75149	(13012018)	608080.70	4267406.30	3.69292	(13012018)
608085.70	4267406.30	3.62291	(13012018)	608090.70	4267406.30	3.54180	(13012018)
608095.70	4267406.30	3.45002	(13012018)	608100.70	4267406.30	3.34782	(13012018)
608105.70	4267406.30	3.23517	(13012018)	608110.70	4267406.30	3.11172	(13012018)
608115.70	4267406.30	2.97683	(13012018)	608120.70	4267406.30	2.82987	(13012018)
608125.70	4267406.30	2.69986	(13011019)	608130.70	4267406.30	2.70017	(13011019)
608135.70	4267406.30	2.69585	(13011019)	608140.70	4267406.30	2.68622	(13011019)
608145.70	4267406.30	2.67556	(09011020)	608150.70	4267406.30	2.67410	(09011020)

UMAll_AERMOD_output file

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       608155.70   4267406.30        2.66685  (09011020)              608055.70
4267411.30        3.85457  (13012018)
       608060.70   4267411.30        3.83538  (13012018)              608065.70
4267411.30        3.80821  (13012018)
       608070.70   4267411.30        3.77151  (13012018)              608075.70
4267411.30        3.72422  (13012018)
       608080.70   4267411.30        3.66582  (13012018)              608085.70
4267411.30        3.59627  (13012018)
       608090.70   4267411.30        3.51580  (13012018)              608095.70
4267411.30        3.42473  (13012018)
       608100.70   4267411.30        3.32324  (13012018)              608105.70
4267411.30        3.21128  (13012018)
       608110.70   4267411.30        3.08849  (13012018)              608115.70
4267411.30        2.95433  (13012018)
       608120.70   4267411.30        2.80826  (13012018)              608125.70
4267411.30        2.64998  (13012018)
       608130.70   4267411.30        2.61994  (13011019)              608135.70
4267411.30        2.61817  (13011019)
       608140.70   4267411.30        2.61148  (13011019)              608145.70
4267411.30        2.59925  (13011019)
       608150.70   4267411.30        2.59065  (09011020)              608155.70
4267411.30        2.58728  (09011020)
       608055.70   4267416.30        3.82751  (13012018)              608060.70
4267416.30        3.80741  (13012018)
       608065.70   4267416.30        3.77951  (13012018)              608070.70
4267416.30        3.74235  (13012018)
       608075.70   4267416.30        3.69493  (13012018)              608080.70
4267416.30        3.63672  (13012018)
       608085.70   4267416.30        3.56761  (13012018)              608090.70
4267416.30        3.48774  (13012018)
       608095.70   4267416.30        3.39736  (13012018)              608100.70
4267416.30        3.29658  (13012018)
       608105.70   4267416.30        3.18531  (13012018)              608110.70
4267416.30        3.06323  (13012018)
       608115.70   4267416.30        2.92985  (13012018)              608120.70
4267416.30        2.78473  (13012018)
       608125.70   4267416.30        2.62769  (13012018)              608130.70
4267416.30        2.54269  (13011019)
       608135.70   4267416.30        2.54330  (13011019)              608140.70
4267416.30        2.53933  (13011019)
       608145.70   4267416.30        2.53022  (13011019)              608150.70
4267416.30        2.51543  (13011019)
       608155.70   4267416.30        2.50973  (09011020)              608055.70
4267421.30        3.79866  (13012018)
       608060.70   4267421.30        3.77771  (13012018)              608065.70
4267421.30        3.74912  (13012018)
       608070.70   4267421.30        3.71154  (13012018)              608075.70
4267421.30        3.66400  (13012018)
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UMAll_AERMOD_output file

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       608080.70   4267421.30        3.60597  (13012018)               608085.70
 4267421.30        3.53728  (13012018)
       608090.70   4267421.30        3.45801  (13012018)               608095.70
 4267421.30        3.36829  (13012018)
       608100.70   4267421.30        3.26821  (13012018)               608105.70
 4267421.30        3.15765  (13012018)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608110.70   4267421.30        3.03630  (13012018)               608115.70
 4267421.30        2.90375  (13012018)
       608120.70   4267421.30        2.75965  (13012018)               608125.70
 4267421.30        2.60392  (13012018)
       608130.70   4267421.30        2.47468  (11121819)               608135.70
 4267421.30        2.47104  (13011019)
       608140.70   4267421.30        2.46958  (13011019)               608145.70
 4267421.30        2.46333  (13011019)
       608150.70   4267421.30        2.45181  (13011019)               608155.70
 4267421.30        2.43454  (13011019)
       607829.90   4267188.00        5.61909  (11121017)               607834.90
 4267188.00        5.64098  (11121017)
       607839.90   4267188.00        5.66201  (11123118)               607844.90
 4267188.00        5.68104  (11123118)
       607849.90   4267188.00        5.70254  (13010208)               607854.90
 4267188.00        5.71684  (13010208)
       607859.90   4267188.00        5.72284  (13010208)               607864.90
 4267188.00        5.72009  (13010208)
```

UMAll_AERMOD_output file

```
       607869.90   4267188.00        5.70815  (13010208)              607874.90
4267188.00        5.68660  (13010208)
       607879.90   4267188.00        5.65512  (13010208)              607829.90
4267193.00        5.62781  (11123117)
       607834.90   4267193.00        5.65879  (11121017)              607839.90
4267193.00        5.68666  (11121017)
       607844.90   4267193.00        5.70819  (11121017)              607849.90
4267193.00        5.72297  (11121017)
       607854.90   4267193.00        5.73794  (11123118)              607859.90
4267193.00        5.74980  (13010208)
       607864.90   4267193.00        5.76131  (13010208)              607869.90
4267193.00        5.76398  (13010208)
       607874.90   4267193.00        5.75731  (13010208)              607879.90
4267193.00        5.74083  (13010208)
       607829.90   4267198.00        5.65666  (11123117)              607834.90
4267198.00        5.68245  (11123117)
       607839.90   4267198.00        5.70283  (11123117)              607844.90
4267198.00        5.71743  (11123117)
       607849.90   4267198.00        5.74124  (11121017)              607854.90
4267198.00        5.76146  (11121017)
       607859.90   4267198.00        5.77446  (11121017)              607864.90
4267198.00        5.77978  (11121017)
       607869.90   4267198.00        5.78567  (11123118)              607874.90
4267198.00        5.78750  (13010208)
       607879.90   4267198.00        5.78535  (13010208)              607839.90
4267203.00        5.71774  (11123117)
       607844.90   4267203.00        5.74327  (11123117)              607849.90
4267203.00        5.76303  (11123117)
       607854.90   4267203.00        5.77661  (11123117)              607859.90
4267203.00        5.78361  (11123117)
       607864.90   4267203.00        5.79728  (11121017)              607869.90
4267203.00        5.80716  (11121017)
       607874.90   4267203.00        5.80872  (11121017)              607879.90
4267203.00        5.80201  (11123118)
       607839.90   4267208.00        5.75360  (13010718)              607844.90
4267208.00        5.75601  (13010718)
       607849.90   4267208.00        5.76296  (11123117)              607854.90
4267208.00        5.78706  (11123117)
       607859.90   4267208.00        5.80495  (11123117)              607864.90
4267208.00        5.81616  (11123117)
       607869.90   4267208.00        5.82021  (11123117)              607874.90
4267208.00        5.81659  (11123117)
       607879.90   4267208.00        5.81638  (11121017)              607839.90
4267213.00        5.80889  (13010718)
       607844.90   4267213.00        5.82018  (13010718)              607849.90
4267213.00        5.82663  (13010718)
       607854.90   4267213.00        5.82791  (13010718)              607859.90
4267213.00        5.82368  (13010718)
```

UMAll_AERMOD_output file

```
       607864.90   4267213.00        5.81358  (13010718)               607869.90
 4267213.00        5.82452  (11123117)
       607874.90   4267213.00        5.83159  (11123117)               607879.90
 4267213.00        5.83073  (11123117)
       607839.90   4267218.00        5.82811  (13010718)               607844.90
 4267218.00        5.84739  (13010718)
       607849.90   4267218.00        5.86200  (13010718)               607854.90
 4267218.00        5.87160  (13010718)
       607859.90   4267218.00        5.87586  (13010718)               607864.90
 4267218.00        5.87440  (13010718)
       607869.90   4267218.00        5.86682  (13010718)               607874.90
 4267218.00        5.85264  (13010718)
       607879.90   4267218.00        5.83137  (13010718)               607839.90
 4267223.00        5.85112  (10013119)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607844.90   4267223.00        5.86444  (10013119)               607849.90
 4267223.00        5.87342  (10013119)
       607854.90   4267223.00        5.87879  (13010718)               607859.90
 4267223.00        5.89057  (13010718)
       607864.90   4267223.00        5.89676  (13010718)               607869.90
 4267223.00        5.89696  (13010718)
       607874.90   4267223.00        5.89069  (13010718)               607879.90
 4267223.00        5.87742  (13010718)
       607839.90   4267228.00        5.85676  (10013119)               607844.90
 4267228.00        5.87630  (10013119)
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UMAll_AERMOD_output file

```
       607849.90   4267228.00        5.89151  (10013119)                607854.90
4267228.00        5.90211  (10013119)
       607859.90   4267228.00        5.90780  (10013119)                607864.90
4267228.00        5.90823  (10013119)
       607869.90   4267228.00        5.90300  (10013119)                607874.90
4267228.00        5.89166  (10013119)
       607879.90   4267228.00        5.88492  (13010718)                607839.90
4267233.00        5.87575  (12120917)
       607844.90   4267233.00        5.88983  (12120917)                607849.90
4267233.00        5.89982  (12120917)
       607854.90   4267233.00        5.90544  (12120917)                607859.90
4267233.00        5.90640  (12120917)
       607864.90   4267233.00        5.91058  (10013119)                607869.90
4267233.00        5.91092  (10013119)
       607874.90   4267233.00        5.90513  (10013119)                607879.90
4267233.00        5.89267  (10013119)
       607839.90   4267238.00        5.87029  (12120917)                607844.90
4267238.00        5.88934  (12120917)
       607849.90   4267238.00        5.90417  (12120917)                607854.90
4267238.00        5.91450  (12120917)
       607859.90   4267238.00        5.92004  (12120917)                607864.90
4267238.00        5.92045  (12120917)
       607869.90   4267238.00        5.91535  (12120917)                607874.90
4267238.00        5.90429  (12120917)
       607879.90   4267238.00        5.88673  (12120917)                607839.90
4267243.00        5.83453  (12120917)
       607844.90   4267243.00        5.85858  (12120917)                607849.90
4267243.00        5.87824  (12120917)
       607854.90   4267243.00        5.89322  (12120917)                607859.90
4267243.00        5.90323  (12120917)
       607864.90   4267243.00        5.90793  (12120917)                607869.90
4267243.00        5.90692  (12120917)
       607874.90   4267243.00        5.89974  (12120917)                607879.90
4267243.00        5.88587  (12120917)
       607839.90   4267248.00        5.76870  (12120917)                607844.90
4267248.00        5.79800  (12120917)
       607849.90   4267248.00        5.82271  (12120917)                607854.90
4267248.00        5.84255  (12120917)
       607859.90   4267248.00        5.85720  (12120917)                607864.90
4267248.00        5.86630  (12120917)
       607869.90   4267248.00        5.86945  (12120917)                607874.90
4267248.00        5.86617  (12120917)
       607879.90   4267248.00        5.85591  (12120917)                607839.90
4267253.00        5.85466  (12010919)
       607844.90   4267253.00        5.85888  (12010919)                607849.90
4267253.00        5.85934  (12010919)
       607854.90   4267253.00        5.85573  (12010919)                607859.90
4267253.00        5.84768  (12010919)
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UMAll_AERMOD_output file

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       607864.90   4267253.00        5.83479  (12010919)                607869.90
 4267253.00        5.81659  (12010919)
       607874.90   4267253.00        5.80432  (12120917)                607879.90
 4267253.00        5.79790  (12120917)
       607839.90   4267258.00        5.92627  (12010919)                607844.90
 4267258.00        5.93198  (12010919)
       607849.90   4267258.00        5.93370  (12010919)                607854.90
 4267258.00        5.93110  (12010919)
       607859.90   4267258.00        5.92380  (12010919)                607864.90
 4267258.00        5.91135  (12010919)
       607869.90   4267258.00        5.89327  (12010919)                607874.90
 4267258.00        5.86896  (12010919)
       607879.90   4267258.00        5.83771  (12010919)                607839.90
 4267263.00        5.96911  (12010919)
       607844.90   4267263.00        5.97692  (12010919)                607849.90
 4267263.00        5.98054  (12010919)
       607854.90   4267263.00        5.97962  (12010919)                607859.90
 4267263.00        5.97373  (12010919)
       607864.90   4267263.00        5.96241  (12010919)                607869.90
 4267263.00        5.94513  (12010919)
       607874.90   4267263.00        5.92124  (12010919)                607879.90
 4267263.00        5.88999  (12010919)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607839.90   4267268.00        5.98078  (12010919)                607844.90
 4267268.00        5.99136  (12010919)
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UMAll_AERMOD_output file

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       607849.90   4267268.00        5.99760  (12010919)                607854.90
4267268.00        5.99910  (12010919)
       607859.90   4267268.00        5.99543  (12010919)                607864.90
4267268.00        5.98607  (12010919)
       607869.90   4267268.00        5.97044  (12010919)                607874.90
4267268.00        5.94784  (12010919)
       607879.90   4267268.00        5.91742  (12010919)                607839.90
4267273.00        5.95758  (12010919)
       607844.90   4267273.00        5.97151  (12010919)                607849.90
4267273.00        5.98101  (12010919)
       607854.90   4267273.00        5.98566  (12010919)                607859.90
4267273.00        5.98496  (12010919)
       607864.90   4267273.00        5.97838  (12010919)                607869.90
4267273.00        5.96526  (12010919)
       607874.90   4267273.00        5.94484  (12010919)                607879.90
4267273.00        5.91619  (12010919)
       607839.90   4267278.00        5.89495  (12010919)                607844.90
4267278.00        5.91260  (12010919)
       607849.90   4267278.00        5.92581  (12010919)                607854.90
4267278.00        5.93411  (12010919)
       607859.90   4267278.00        5.93698  (12010919)                607864.90
4267278.00        5.93383  (12010919)
       607869.90   4267278.00        5.92395  (12010919)                607874.90
4267278.00        5.90650  (12010919)
       607879.90   4267278.00        5.88047  (12010919)                607868.80
4267305.40        5.98923  (13012019)
       607873.80   4267305.40        5.99832  (11040819)                607878.80
4267305.40        4.78083  (13012019)
       607868.80   4267310.40        6.02625  (11040819)                607873.80
4267310.40        6.02945  (11040819)
       607878.80   4267310.40        4.75921  (13010719)                607828.80
4267315.40        5.94121  (13010719)
       607833.80   4267315.40        5.96167  (13010719)                607838.80
4267315.40        5.97757  (13010719)
       607843.80   4267315.40        5.98855  (13010719)                607848.80
4267315.40        5.99419  (13010719)
       607863.80   4267315.40        6.01228  (11040819)                607868.80
4267315.40        6.01740  (11040819)
       607873.80   4267315.40        6.01401  (11040819)                607878.80
4267315.40        4.72324  (13010719)
       607823.80   4267320.40        5.91289  (13010719)                607828.80
4267320.40        5.93078  (13010719)
       607833.80   4267320.40        5.94442  (13010719)                607838.80
4267320.40        5.95347  (13010719)
       607843.80   4267320.40        5.95759  (13010719)                607848.80
4267320.40        5.95641  (13010719)
       607853.80   4267320.40        5.94952  (13010719)                607858.80
4267320.40        5.95639  (11040819)
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UMAll_AERMOD_output file

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       607863.80   4267320.40        5.96151  (11040819)                607868.80
 4267320.40        5.95913  (11040819)
       607873.80   4267320.40        5.94851  (11040819)                607823.80
 4267325.40        5.86324  (13010719)
       607828.80   4267325.40        5.87358  (13010719)                607833.80
 4267325.40        5.87963  (13010719)
       607838.80   4267325.40        5.88108  (13010719)                607843.80
 4267325.40        5.87764  (13010719)
       607848.80   4267325.40        5.86896  (13010719)                607853.80
 4267325.40        5.89239  (13030220)
       607858.80   4267325.40        5.92254  (13030220)                607863.80
 4267325.40        5.94406  (13030220)
       607868.80   4267325.40        5.95631  (13030220)                607873.80
 4267325.40        5.95858  (13030220)
       607818.80   4267330.40        5.75993  (13010719)                607823.80
 4267330.40        5.76608  (13010719)
       607828.80   4267330.40        5.77681  (09011117)                607833.80
 4267330.40        5.78500  (09011117)
       607838.80   4267330.40        5.81491  (13121219)                607843.80
 4267330.40        5.84774  (13030220)
       607848.80   4267330.40        5.88202  (13030220)                607853.80
 4267330.40        5.90879  (13030220)
       607858.80   4267330.40        5.92751  (13030220)                607863.80
 4267330.40        5.93768  (13030220)
       607868.80   4267330.40        5.93874  (13030220)                607873.80
 4267330.40        5.93018  (13030220)
       607818.80   4267335.40        5.71727  (13121219)                607823.80
 4267335.40        5.75565  (13121219)
       607828.80   4267335.40        5.78805  (13121219)                607833.80
 4267335.40        5.81413  (13121219)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607838.80	4267335.40	5.83353	(13121219)	607843.80	4267335.40	5.84589	(13121219)
607848.80	4267335.40	5.86612	(13030220)	607853.80	4267335.40	5.88082	(13030220)
607858.80	4267335.40	5.88754	(13030220)	607863.80	4267335.40	5.88588	(13030220)
607868.80	4267335.40	5.87543	(13030220)	607813.80	4267340.40	5.70751	(13121219)
607818.80	4267340.40	5.74023	(13121219)	607823.80	4267340.40	5.76711	(13121219)
607828.80	4267340.40	5.78785	(13121219)	607833.80	4267340.40	5.80214	(13121219)
607838.80	4267340.40	5.80969	(13121219)	607843.80	4267340.40	5.81021	(13121219)
607848.80	4267340.40	5.80593	(13030220)	607853.80	4267340.40	5.81411	(10031419)
607858.80	4267340.40	5.82774	(10031419)	607863.80	4267340.40	5.83190	(10031419)
607868.80	4267340.40	5.82626	(10031419)	607813.80	4267345.40	5.70144	(13121219)
607818.80	4267345.40	5.72224	(13121219)	607823.80	4267345.40	5.73705	(13121219)
607828.80	4267345.40	5.74563	(13121219)	607833.80	4267345.40	5.74772	(13121219)
607838.80	4267345.40	5.75329	(12012820)	607843.80	4267345.40	5.75567	(12012820)
607848.80	4267345.40	5.75885	(10031419)	607853.80	4267345.40	5.76765	(10031419)
607858.80	4267345.40	5.76756	(10031419)	607863.80	4267345.40	5.75831	(10031419)
607813.80	4267350.40	5.65467	(13121219)	607818.80	4267350.40	5.66383	(12012820)
607823.80	4267350.40	5.68243	(12012820)	607828.80	4267350.40	5.69405	(12012820)
607833.80	4267350.40	5.69846	(12012820)	607838.80	4267350.40	5.69545	(12012820)
607843.80	4267350.40	5.68485	(12012820)	607848.80	4267350.40	5.68546	(10031419)
607853.80	4267350.40	5.68040	(10031419)	607858.80	4267350.40	5.69411	(09031119)
607863.80	4267350.40	5.70003	(09031119)	607818.80	4267355.40	5.61918	(12012820)

UMAll_AERMOD_output file

```
       607823.80   4267355.40        5.62449  (12012820)                607828.80
 4267355.40        5.62284  (12012820)
       607833.80   4267355.40        5.61724  (12011318)                607838.80
 4267355.40        5.63475  (12011318)
       607843.80   4267355.40        5.64294  (12011318)                607848.80
 4267355.40        5.64165  (12011318)
       607853.80   4267355.40        5.63914  (09031119)                607858.80
 4267355.40        5.64067  (09031119)
       607863.80   4267355.40        5.63182  (09031119)                607828.80
 4267360.40        5.58135  (12011318)
       607833.80   4267360.40        5.59307  (12011318)                607838.80
 4267360.40        5.59580  (12011318)
       607843.80   4267360.40        5.58944  (12011318)                607848.80
 4267360.40        5.57927  (10122319)
       607853.80   4267360.40        5.57128  (10122319)                607858.80
 4267360.40        5.55882  (13010118)
       607833.80   4267365.40        5.53304  (12011318)                607838.80
 4267365.40        5.53563  (10122319)
       607843.80   4267365.40        5.53350  (13010118)                607848.80
 4267365.40        5.53023  (13010118)
       607853.80   4267365.40        5.51652  (13010118)                607858.80
 4267365.40        5.49855  (09011608)
       607843.80   4267370.40        5.47857  (13010118)                607848.80
 4267370.40        5.46930  (09011608)
       607853.80   4267370.40        5.45038  (09011608)                607853.80
 4267375.40        5.35783  (09011608)
       608197.70   4267245.00        4.70129  (10122718)                608202.70
 4267245.00        4.61400  (10122718)
       608207.70   4267245.00        4.52738  (10122718)                608212.70
 4267245.00        4.44155  (10122718)
       608217.70   4267245.00        4.35659  (10122718)                608222.70
 4267245.00        4.27257  (10122718)
       608227.70   4267245.00        4.18955  (10122718)                608232.70
 4267245.00        4.10756  (10122718)
       608237.70   4267245.00        4.02664  (10122718)                608242.70
 4267245.00        3.95217  (12120920)
       608247.70   4267245.00        3.88174  (12120920)                608192.70
 4267250.00        4.84062  (10122718)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        16:43:32

                                  PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608197.70	4267250.00	4.74856	(10122718)	608202.70	4267250.00	4.66057	(12120920)
608207.70	4267250.00	4.57494	(12120920)	608212.70	4267250.00	4.49035	(12120920)
608217.70	4267250.00	4.40694	(12120920)	608222.70	4267250.00	4.32482	(12120920)
608227.70	4267250.00	4.24405	(12120920)	608232.70	4267250.00	4.16467	(12120920)
608237.70	4267250.00	4.08673	(12120920)	608242.70	4267250.00	4.01023	(12120920)
608247.70	4267250.00	3.93519	(12120920)	608192.70	4267255.00	4.92074	(12120920)
608197.70	4267255.00	4.82963	(12120920)	608202.70	4267255.00	4.73870	(12120920)
608207.70	4267255.00	4.64834	(12120920)	608212.70	4267255.00	4.55885	(12120920)
608217.70	4267255.00	4.47044	(12120920)	608222.70	4267255.00	4.38327	(12120920)
608227.70	4267255.00	4.29748	(12120920)	608232.70	4267255.00	4.21315	(12120920)
608237.70	4267255.00	4.13034	(12120920)	608242.70	4267255.00	4.04910	(12120920)
608247.70	4267255.00	3.96946	(12120920)	608222.70	4267260.00	4.42098	(12120920)
608227.70	4267260.00	4.33001	(12120920)	608232.70	4267260.00	4.24064	(12120920)
608237.70	4267260.00	4.15295	(12120920)	608242.70	4267260.00	4.06703	(12120920)
608247.70	4267260.00	3.98290	(12120920)	608222.70	4267265.00	4.47655	(09010608)
608227.70	4267265.00	4.38577	(09010608)	608232.70	4267265.00	4.29705	(09010608)
608237.70	4267265.00	4.21046	(09010608)	608242.70	4267265.00	4.12603	(09010608)

UMAll_AERMOD_output file

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       608247.70   4267265.00        4.04377  (09010608)              608222.70
4267270.00        4.54349  (09010608)
       608227.70   4267270.00        4.44829  (09010608)              608232.70
4267270.00        4.35533  (09010608)
       608237.70   4267270.00        4.26469  (09010608)              608242.70
4267270.00        4.17639  (09010608)
       608247.70   4267270.00        4.09046  (09010608)              608222.70
4267275.00        4.58390  (09010608)
       608227.70   4267275.00        4.48461  (09010608)              608232.70
4267275.00        4.38778  (09010608)
       608237.70   4267275.00        4.29348  (09010608)              608242.70
4267275.00        4.20176  (09010608)
       608247.70   4267275.00        4.11263  (09010608)              608222.70
4267280.00        4.59431  (09010608)
       608227.70   4267280.00        4.49155  (09010608)              608232.70
4267280.00        4.39149  (09010608)
       608237.70   4267280.00        4.29421  (09010608)              608242.70
4267280.00        4.19975  (09010608)
       608247.70   4267280.00        4.10810  (09010608)              608222.70
4267285.00        4.57148  (09010608)
       608227.70   4267285.00        4.46620  (09010608)              608232.70
4267285.00        4.36388  (09010608)
       608237.70   4267285.00        4.26457  (09010608)              608242.70
4267285.00        4.16831  (09010608)
       608247.70   4267285.00        4.07508  (09010608)              608222.70
4267290.00        4.61102  (12121108)
       608227.70   4267290.00        4.49900  (12121108)              608232.70
4267290.00        4.39024  (12121108)
       608237.70   4267290.00        4.28480  (12121108)              608242.70
4267290.00        4.18268  (12121108)
       608247.70   4267290.00        4.08383  (12121108)              608222.70
4267295.00        4.67754  (12121108)
       608227.70   4267295.00        4.56558  (12121108)              608232.70
4267295.00        4.45682  (12121108)
       608237.70   4267295.00        4.35134  (12121108)              608242.70
4267295.00        4.24913  (12121108)
       608247.70   4267295.00        4.15017  (12121108)              608222.70
4267300.00        4.70778  (12121108)
       608227.70   4267300.00        4.59745  (12121108)              608232.70
4267300.00        4.49020  (12121108)
       608237.70   4267300.00        4.38610  (12121108)              608242.70
4267300.00        4.28516  (12121108)
       608247.70   4267300.00        4.18737  (12121108)              608222.70
4267305.00        4.70803  (12012519)
       608227.70   4267305.00        4.59632  (12012519)              608232.70
4267305.00        4.48781  (12121108)
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UMAll_AERMOD_output file
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 122
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608237.70	4267305.00	4.38668	(12121108)	608242.70	4267305.00	4.28851	(12121108)
608247.70	4267305.00	4.19330	(12121108)	608222.70	4267310.00	4.69676	(12012519)
608227.70	4267310.00	4.59017	(12012519)	608232.70	4267310.00	4.48608	(12012519)
608237.70	4267310.00	4.38462	(12012519)	608242.70	4267310.00	4.28584	(12012519)
608247.70	4267310.00	4.18978	(12012519)	608192.70	4267315.00	3.66778	(09120419)
608197.70	4267315.00	5.18741	(12122920)	608202.70	4267315.00	5.08132	(12122920)
608207.70	4267315.00	4.97448	(12122920)	608212.70	4267315.00	4.86785	(12122920)
608217.70	4267315.00	4.76214	(12122920)	608222.70	4267315.00	4.65786	(12122920)
608227.70	4267315.00	4.55536	(12122920)	608232.70	4267315.00	4.45489	(12122920)
608237.70	4267315.00	4.35661	(12122920)	608242.70	4267315.00	4.26063	(12122920)
608247.70	4267315.00	4.16789	(12012519)	608192.70	4267320.00	3.66558	(09120419)
608197.70	4267320.00	5.18696	(09120419)	608202.70	4267320.00	5.05945	(09120419)
608207.70	4267320.00	4.92989	(09120419)	608212.70	4267320.00	4.79949	(09120419)

UMAll_AERMOD_output file

```
       608217.70   4267320.00        4.68523  (09120817)              608222.70
4267320.00        4.58411  (12122920)
       608227.70   4267320.00        4.49028  (12122920)              608232.70
4267320.00        4.39792  (12122920)
       608237.70   4267320.00        4.30720  (12122920)              608242.70
4267320.00        4.21827  (12122920)
       608247.70   4267320.00        4.13120  (12122920)              608192.70
4267325.00        5.27103  (09120419)
       608197.70   4267325.00        5.16206  (09120419)              608202.70
4267325.00        5.04872  (09120419)
       608207.70   4267325.00        4.93243  (09120419)              608212.70
4267325.00        4.81430  (09120419)
       608217.70   4267325.00        4.69527  (09120419)              608222.70
4267325.00        4.57607  (09120419)
       608227.70   4267325.00        4.45731  (09120419)              608232.70
4267325.00        4.33947  (09120419)
       608237.70   4267325.00        4.23759  (09120817)              608242.70
4267325.00        4.14213  (12122920)
       608247.70   4267325.00        4.06296  (12122920)              608192.70
4267330.00        5.18313  (09120419)
       608197.70   4267330.00        5.09070  (09120419)              608202.70
4267330.00        4.99320  (09120419)
       608207.70   4267330.00        4.89189  (09120419)              608212.70
4267330.00        4.78784  (09120419)
       608217.70   4267330.00        4.68191  (09120419)              608222.70
4267330.00        4.57485  (09120419)
       608227.70   4267330.00        4.46725  (09120419)              608232.70
4267330.00        4.35965  (09120419)
       608237.70   4267330.00        4.25245  (09120419)              608242.70
4267330.00        4.14601  (09120419)
       608247.70   4267330.00        4.04063  (09120419)              608252.70
4267330.00        3.93654  (09120419)
       608192.70   4267335.00        5.05068  (09120419)              608197.70
4267335.00        4.97568  (09120419)
       608202.70   4267335.00        4.89507  (09120419)              608207.70
4267335.00        4.80995  (09120419)
       608212.70   4267335.00        4.72127  (09120419)              608217.70
4267335.00        4.62983  (09120419)
       608222.70   4267335.00        4.53634  (09120419)              608227.70
4267335.00        4.44140  (09120419)
       608232.70   4267335.00        4.34553  (09120419)              608237.70
4267335.00        4.24918  (09120419)
       608242.70   4267335.00        4.15274  (09120419)              608247.70
4267335.00        4.05652  (09120419)
       608252.70   4267335.00        3.96081  (09120419)              608192.70
4267340.00        4.87870  (09120419)
       608197.70   4267340.00        4.82137  (09120419)              608202.70
4267340.00        4.75806  (09120419)
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UMAll_AERMOD_output file

608207.70 4267340.00 4.68970 (09120419) 608212.70 4267340.00 4.61712 (09120419)
608217.70 4267340.00 4.54104 (09120419) 608222.70 4267340.00 4.46210 (09120419)
608227.70 4267340.00 4.38088 (09120419) 608232.70 4267340.00 4.29788 (09120419)

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608237.70	4267340.00	4.21357	(09120419)	608242.70	4267340.00	4.12833	(09120419)
608247.70	4267340.00	4.04251	(09120419)	608252.70	4267340.00	3.95643	(09120419)
608257.70	4267340.00	3.87036	(09120419)	608192.70	4267345.00	4.67339	(09120419)
608197.70	4267345.00	4.63328	(09120419)	608202.70	4267345.00	4.58704	(09120419)
608207.70	4267345.00	4.53542	(09120419)	608212.70	4267345.00	4.47910	(09120419)
608217.70	4267345.00	4.41870	(09120419)	608222.70	4267345.00	4.35478	(09120419)
608227.70	4267345.00	4.28789	(09120419)	608232.70	4267345.00	4.21848	(09120419)
608237.70	4267345.00	4.14700	(09120419)	608242.70	4267345.00	4.07383	(09120419)
608247.70	4267345.00	3.99935	(09120419)	608252.70	4267345.00	3.92387	(09120419)

UMAll_AERMOD_output file

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       608257.70   4267345.00        3.84768  (09120419)              608192.70
4267350.00        4.54307  (10030620)
       608197.70   4267350.00        4.47852  (10030620)              608202.70
4267350.00        4.40655  (10030620)
       608207.70   4267350.00        4.35226  (09120419)              608212.70
4267350.00        4.31181  (09120419)
       608217.70   4267350.00        4.26688  (09120419)              608222.70
4267350.00        4.21797  (09120419)
       608227.70   4267350.00        4.16552  (09120419)              608232.70
4267350.00        4.10997  (09120419)
       608237.70   4267350.00        4.05171  (09120419)              608242.70
4267350.00        3.99112  (09120419)
       608192.70   4267355.00        4.39380  (10030620)              608197.70
4267355.00        4.34711  (10030620)
       608202.70   4267355.00        4.29281  (10030620)              608207.70
4267355.00        4.23160  (10030620)
       608212.70   4267355.00        4.16418  (10030620)              608217.70
4267355.00        4.09128  (10030620)
       607915.30   4267056.40        3.98757  (11021008)              607920.30
4267056.40        3.98321  (11021008)
       607925.30   4267056.40        3.97433  (11021008)              607930.30
4267056.40        3.96071  (11021008)
       607935.30   4267056.40        3.94192  (11021008)              607940.30
4267056.40        3.91735  (11021008)
       607945.30   4267056.40        3.88625  (11021008)              607950.30
4267056.40        3.84781  (11021008)
       607955.30   4267056.40        3.80114  (11021008)              607960.30
4267056.40        3.76184  (11122708)
       607965.30   4267056.40        3.76380  (10030619)              607970.30
4267056.40        3.76537  (10030619)
       607975.30   4267056.40        3.76444  (10030619)              607980.30
4267056.40        3.76072  (10030619)
       607985.30   4267056.40        3.75382  (10030619)              607915.30
4267061.40        3.98529  (11021008)
       607920.30   4267061.40        3.98343  (11021008)              607925.30
4267061.40        3.97723  (11021008)
       607930.30   4267061.40        3.96658  (11021008)              607935.30
4267061.40        3.95112  (11021008)
       607940.30   4267061.40        3.93032  (11021008)              607945.30
4267061.40        3.90347  (11021008)
       607950.30   4267061.40        3.86977  (11021008)              607955.30
4267061.40        3.82835  (11021008)
       607960.30   4267061.40        3.77830  (11021008)              607965.30
4267061.40        3.76367  (10030619)
       607970.30   4267061.40        3.76598  (10030619)              607975.30
4267061.40        3.76592  (10030619)
       607980.30   4267061.40        3.76325  (10030619)              607985.30
4267061.40        3.75757  (10030619)
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UMAll_AERMOD_output file

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       607915.30   4267066.40        3.98010  (11021008)               607920.30
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       607925.30   4267066.40        3.97693  (11021008)               607930.30
 4267066.40        3.96902  (11021008)
       607935.30   4267066.40        3.95664  (11021008)               607940.30
 4267066.40        3.93933  (11021008)
       607945.30   4267066.40        3.91645  (11021008)               607950.30
 4267066.40        3.88722  (11021008)
       607955.30   4267066.40        3.85077  (11021008)               607960.30
 4267066.40        3.80622  (11021008)
       607965.30   4267066.40        3.76199  (10030619)               607970.30
 4267066.40        3.76499  (10030619)
       607975.30   4267066.40        3.76576  (10030619)               607980.30
 4267066.40        3.76407  (10030619)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607985.30   4267066.40        3.75954  (10030619)               607915.30
 4267071.40        3.97200  (11021008)
       607920.30   4267071.40        3.97482  (11021008)               607925.30
 4267071.40        3.97346  (11021008)
       607930.30   4267071.40        3.96808  (11021008)               607935.30
 4267071.40        3.95853  (11021008)
       607940.30   4267071.40        3.94445  (11021008)               607945.30
 4267071.40        3.92524  (11021008)
       607950.30   4267071.40        3.90019  (11021008)               607955.30
 4267071.40        3.86844  (11021008)
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UMAll_AERMOD_output file

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       607960.30   4267071.40        3.82910  (11021008)                607965.30
4267071.40        3.78124  (11021008)
       607970.30   4267071.40        3.76233  (10030619)                607975.30
4267071.40        3.76387  (10030619)
       607980.30   4267071.40        3.76311  (10030619)                607985.30
4267071.40        3.75966  (10030619)
       607915.30   4267076.40        3.96095  (11021008)                607920.30
4267076.40        3.96600  (11021008)
       607925.30   4267076.40        3.96685  (11021008)                607930.30
4267076.40        3.96379  (11021008)
       607935.30   4267076.40        3.95684  (11021008)                607940.30
4267076.40        3.94572  (11021008)
       607945.30   4267076.40        3.92991  (11021008)                607950.30
4267076.40        3.90873  (11021008)
       607955.30   4267076.40        3.88138  (11021008)                607960.30
4267076.40        3.84696  (11021008)
       607965.30   4267076.40        3.80458  (11021008)                607970.30
4267076.40        3.75790  (10030619)
       607975.30   4267076.40        3.76016  (10030619)                607980.30
4267076.40        3.76026  (10030619)
       607985.30   4267076.40        3.75785  (10030619)                607915.30
4267081.40        3.95802  (12121217)
       607920.30   4267081.40        3.95414  (11021008)                607925.30
4267081.40        3.95709  (11021008)
       607930.30   4267081.40        3.95620  (11021008)                607935.30
4267081.40        3.95162  (11021008)
       607940.30   4267081.40        3.94319  (11021008)                607945.30
4267081.40        3.93049  (11021008)
       607950.30   4267081.40        3.91289  (11021008)                607955.30
4267081.40        3.88963  (11021008)
       607960.30   4267081.40        3.85985  (11021008)                607965.30
4267081.40        3.82263  (11021008)
       607970.30   4267081.40        3.77703  (11021008)                607975.30
4267081.40        3.75453  (10030619)
       607980.30   4267081.40        3.75545  (10030619)                607985.30
4267081.40        3.75402  (10030619)
       607915.30   4267086.40        4.04324  (12121217)                607920.30
4267086.40        3.95379  (12121217)
       607925.30   4267086.40        3.95055  (11030519)                607930.30
4267086.40        3.95222  (11030519)
       607935.30   4267086.40        3.95013  (11030519)                607940.30
4267086.40        3.94435  (11030519)
       607945.30   4267086.40        3.93462  (11030519)                607950.30
4267086.40        3.92044  (11030519)
       607955.30   4267086.40        3.90111  (11030519)                607960.30
4267086.40        3.87584  (11030519)
       607965.30   4267086.40        3.84372  (11030519)                607970.30
4267086.40        3.80384  (11030519)
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UMAll_AERMOD_output file

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       607975.30   4267086.40        3.75527  (11030519)               607980.30
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       607985.30   4267086.40        3.74806  (10030619)               607915.30
 4267091.40        4.11915  (12121217)
       607920.30   4267091.40        4.03784  (12121217)               607925.30
 4267091.40        3.95128  (11030519)
       607930.30   4267091.40        3.95497  (11030519)               607935.30
 4267091.40        3.95494  (11030519)
       607940.30   4267091.40        3.95140  (11030519)               607945.30
 4267091.40        3.94422  (11030519)
       607950.30   4267091.40        3.93300  (11030519)               607955.30
 4267091.40        3.91710  (11030519)
       607960.30   4267091.40        3.89573  (11030519)               607965.30
 4267091.40        3.86804  (11030519)
       607970.30   4267091.40        3.83309  (11030519)               607975.30
 4267091.40        3.78997  (11030519)
       607980.30   4267091.40        3.73948  (10030619)               607985.30
 4267091.40        3.73985  (10030619)
       607915.30   4267096.40        4.18540  (12121217)               607920.30
 4267096.40        4.11223  (12121217)
       607925.30   4267096.40        4.03010  (12121217)               607930.30
 4267096.40        3.95464  (11030519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 125
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607935.30   4267096.40        3.95653  (11030519)               607940.30
 4267096.40        3.95504  (11030519)
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UMAll_AERMOD_output file

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       607945.30   4267096.40        3.95017  (11030519)                607950.30
4267096.40        3.94164  (11030519)
       607955.30   4267096.40        3.92888  (11030519)                607960.30
4267096.40        3.91115  (11030519)
       607965.30   4267096.40        3.88760  (11030519)                607970.30
4267096.40        3.85731  (11030519)
       607975.30   4267096.40        3.81936  (11030519)                607980.30
4267096.40        3.77282  (11030519)
       607985.30   4267096.40        3.74502  (12111418)                607915.30
4267101.40        4.24171  (12121217)
       607920.30   4267101.40        4.17661  (12121217)                607925.30
4267101.40        4.10275  (12121217)
       607930.30   4267101.40        4.01984  (12121217)                607935.30
4267101.40        3.96449  (11103018)
       607940.30   4267101.40        3.95522  (11030519)                607945.30
4267101.40        3.95244  (11030519)
       607950.30   4267101.40        3.94634  (11030519)                607955.30
4267101.40        3.93644  (11030519)
       607960.30   4267101.40        3.92206  (11030519)                607965.30
4267101.40        3.90236  (11030519)
       607970.30   4267101.40        3.87644  (11030519)                607975.30
4267101.40        3.84338  (11030519)
       607980.30   4267101.40        3.80505  (13102618)                607985.30
4267101.40        3.79038  (12111418)
       607915.30   4267106.40        4.28786  (12121217)                607920.30
4267106.40        4.23069  (12121217)
       607925.30   4267106.40        4.16499  (12121217)                607930.30
4267106.40        4.09048  (12121217)
       607935.30   4267106.40        4.03254  (11103018)                607940.30
4267106.40        4.01223  (11103018)
       607945.30   4267106.40        3.98588  (11103018)                607950.30
4267106.40        3.95334  (11103018)
       607955.30   4267106.40        3.93974  (11030519)                607960.30
4267106.40        3.92841  (11030519)
       607965.30   4267106.40        3.91228  (11030519)                607970.30
4267106.40        3.89044  (11030519)
       607975.30   4267106.40        3.86934  (13102618)                607980.30
4267106.40        3.85732  (13102618)
       607985.30   4267106.40        3.84063  (13102618)                608194.80
4267085.20        3.89798  (13010518)
       608199.80   4267085.20        3.90047  (13010518)                608304.80
4267085.20        3.45560  (11122818)
       608309.80   4267085.20        3.45980  (11122818)                608314.80
4267085.20        3.45927  (11122818)
       608184.80   4267090.20        3.94884  (13010518)                608189.80
4267090.20        3.96141  (13010518)
       608194.80   4267090.20        3.96452  (13010518)                608199.80
4267090.20        3.96684  (11010508)
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UMAll_AERMOD_output file

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       608204.80   4267090.20        3.96112  (11010508)                608209.80
 4267090.20        3.94599  (11010508)
       608304.80   4267090.20        3.53703  (11122818)                608309.80
 4267090.20        3.53315  (11122818)
       608314.80   4267090.20        3.52460  (11122818)                608319.80
 4267090.20        3.51160  (11122818)
       608324.80   4267090.20        3.49431  (11122818)                608179.80
 4267095.20        4.01239  (13010518)
       608184.80   4267095.20        4.02586  (13010518)                608189.80
 4267095.20        4.02965  (13010518)
       608194.80   4267095.20        4.03254  (11010508)                608199.80
 4267095.20        4.02688  (11010508)
       608204.80   4267095.20        4.01155  (11010508)                608209.80
 4267095.20        4.00569  (10011519)
       608214.80   4267095.20        4.01496  (10011519)                608304.80
 4267095.20        3.60715  (11122818)
       608309.80   4267095.20        3.59500  (11122818)                608314.80
 4267095.20        3.57835  (11122818)
       608319.80   4267095.20        3.55741  (11122818)                608324.80
 4267095.20        3.53239  (11122818)
       608179.80   4267100.20        4.09122  (13010518)                608184.80
 4267100.20        4.09576  (13010518)
       608189.80   4267100.20        4.09933  (11010508)                608194.80
 4267100.20        4.09380  (11010508)
       608199.80   4267100.20        4.07831  (11010508)                608204.80
 4267100.20        4.08007  (10011519)
       608209.80   4267100.20        4.08837  (10011519)                608214.80
 4267100.20        4.08730  (10011519)
       608219.80   4267100.20        4.07701  (10011519)                608224.80
 4267100.20        4.05776  (10011519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                   PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                ** CONC OF PM25     IN MICROGRAMS/M**3
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UMAll_AERMOD_output file
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      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        608229.80   4267100.20        4.02991  (10011519)               608299.80
 4267100.20        3.68114  (11122818)
        608304.80   4267100.20        3.66520  (11122818)               608309.80
 4267100.20        3.64473  (11122818)
        608314.80   4267100.20        3.61997  (11122818)               608319.80
 4267100.20        3.59115  (11122818)
        608324.80   4267100.20        3.55850  (11122818)               608184.80
 4267105.20        4.16712  (11010508)
        608189.80   4267105.20        4.16177  (11010508)               608194.80
 4267105.20        4.14619  (11010508)
        608199.80   4267105.20        4.15581  (10011519)               608204.80
 4267105.20        4.16314  (10011519)
        608209.80   4267105.20        4.16078  (10011519)               608214.80
 4267105.20        4.14893  (10011519)
        608219.80   4267105.20        4.12784  (10011519)               608224.80
 4267105.20        4.09790  (10011519)
        608229.80   4267105.20        4.08029  (13021718)               608234.80
 4267105.20        4.05558  (13021718)
        608239.80   4267105.20        4.02301  (13021718)               608244.80
 4267105.20        3.98306  (13021718)
        608299.80   4267105.20        3.73502  (11122818)               608304.80
 4267105.20        3.71058  (11122818)
        608309.80   4267105.20        3.68185  (11122818)               608314.80
 4267105.20        3.64909  (11122818)
        608319.80   4267105.20        3.61254  (11122818)               608184.80
 4267110.20        4.23068  (11010508)
        608189.80   4267110.20        4.21645  (10011519)               608194.80
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        608199.80   4267110.20        4.23915  (10011519)               608204.80
 4267110.20        4.23550  (10011519)
        608209.80   4267110.20        4.22204  (10011519)               608214.80
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        608219.80   4267110.20        4.17250  (13021718)               608224.80
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        608229.80   4267110.20        4.12612  (13021718)               608234.80
 4267110.20        4.09061  (13021718)
        608239.80   4267110.20        4.04758  (13021718)               608244.80
 4267110.20        3.99758  (13021718)
        608249.80   4267110.20        3.94120  (13021718)               608254.80
 4267110.20        3.87903  (13021718)
        608259.80   4267110.20        3.86287  (11122818)               608264.80
 4267110.20        3.87145  (11122818)
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UMAll_AERMOD_output file

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       608269.80   4267110.20        3.87400  (11122818)                608274.80
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       608279.80   4267110.20        3.86185  (11122818)                608284.80
 4267110.20        3.84764  (11122818)
       608289.80   4267110.20        3.82837  (11122818)                608294.80
 4267110.20        3.80431  (11122818)
       608299.80   4267110.20        3.77572  (11122818)                608304.80
 4267110.20        3.74287  (11122818)
       608309.80   4267110.20        3.70604  (11122818)                608314.80
 4267110.20        3.66548  (11122818)
       608319.80   4267110.20        3.62145  (11122818)                608189.80
 4267115.20        4.31097  (10011519)
       608194.80   4267115.20        4.31629  (10011519)                608199.80
 4267115.20        4.31132  (10011519)
       608204.80   4267115.20        4.29623  (10011519)                608209.80
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       608214.80   4267115.20        4.24938  (13021718)                608219.80
 4267115.20        4.22783  (13021718)
       608224.80   4267115.20        4.19754  (13021718)                608229.80
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       608234.80   4267115.20        4.11277  (13021718)                608239.80
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       608244.80   4267115.20        3.99970  (13021718)                608249.80
 4267115.20        3.94977  (11122818)
       608254.80   4267115.20        3.96084  (11122818)                608259.80
 4267115.20        3.96550  (11122818)
       608264.80   4267115.20        3.96397  (11122818)                608269.80
 4267115.20        3.95651  (11122818)
       608274.80   4267115.20        3.94338  (11122818)                608279.80
 4267115.20        3.92486  (11122818)
       608284.80   4267115.20        3.90126  (11122818)                608289.80
 4267115.20        3.87286  (11122818)
       608294.80   4267115.20        3.83996  (11122818)                608299.80
 4267115.20        3.80286  (11122818)
       608304.80   4267115.20        3.76184  (11122818)                608309.80
 4267115.20        3.71717  (11122818)
       608314.80   4267115.20        3.66912  (11122818)                608189.80
 4267120.20        4.39439  (10011519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        16:43:32

                                  PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608194.80	4267120.20	4.38810	(10011519)	608199.80	4267120.20	4.37137	(10011519)
608204.80	4267120.20	4.34451	(10011519)	608209.80	4267120.20	4.32721	(13021718)
608214.80	4267120.20	4.30297	(13021718)	608219.80	4267120.20	4.26973	(13021718)
608224.80	4267120.20	4.22804	(13021718)	608229.80	4267120.20	4.17851	(13021718)
608234.80	4267120.20	4.12179	(13021718)	608239.80	4267120.20	4.05854	(13021718)
608244.80	4267120.20	4.05236	(11122818)	608249.80	4267120.20	4.05942	(11122818)
608254.80	4267120.20	4.05989	(11122818)	608259.80	4267120.20	4.05404	(11122818)
608264.80	4267120.20	4.04215	(11122818)	608269.80	4267120.20	4.02453	(11122818)
608274.80	4267120.20	4.00150	(11122818)	608279.80	4267120.20	3.97337	(11122818)
608284.80	4267120.20	3.94047	(11122818)	608289.80	4267120.20	3.90313	(11122818)
608294.80	4267120.20	3.86164	(11122818)	608299.80	4267120.20	3.81632	(11122818)
608304.80	4267120.20	3.76745	(11122818)	608309.80	4267120.20	3.71529	(11122818)
608314.80	4267120.20	3.66011	(11122818)	608204.80	4267125.20	4.40584	(13021718)
608209.80	4267125.20	4.37881	(13021718)	608214.80	4267125.20	4.34254	(13021718)
608219.80	4267125.20	4.29760	(13021718)	608224.80	4267125.20	4.24467	(13021718)
608229.80	4267125.20	4.18442	(13021718)	608234.80	4267125.20	4.14580	(11122818)
608239.80	4267125.20	4.15558	(11122818)	608244.80	4267125.20	4.15835	(11122818)

UMAll_AERMOD_output file

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       608259.80   4267125.20        4.12739  (11122818)              608264.80
4267125.20        4.10507  (11122818)
       608269.80   4267125.20        4.07731  (11122818)              608274.80
4267125.20        4.04448  (11122818)
       608279.80   4267125.20        4.00693  (11122818)              608284.80
4267125.20        3.96500  (11122818)
       608289.80   4267125.20        3.91902  (11122818)              608294.80
4267125.20        3.86930  (11122818)
       608299.80   4267125.20        3.81614  (11122818)              608304.80
4267125.20        3.75982  (11122818)
       608309.80   4267125.20        3.70060  (11122818)              608314.80
4267125.20        3.63873  (11122818)
       608224.80   4267130.20        4.24722  (13021718)              608229.80
4267130.20        4.25373  (11122818)
       608234.80   4267130.20        4.25914  (11122818)              608239.80
4267130.20        4.25734  (11122818)
       608244.80   4267130.20        4.24864  (11122818)              608249.80
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       608254.80   4267130.20        4.21195  (11122818)              608259.80
4267130.20        4.18471  (11122818)
       608264.80   4267130.20        4.15205  (11122818)              608269.80
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       608274.80   4267130.20        4.07200  (11122818)              608279.80
4267130.20        4.02536  (11122818)
       608284.80   4267130.20        3.97478  (11122818)              608289.80
4267130.20        3.92058  (11122818)
       608294.80   4267130.20        3.86307  (11122818)              608299.80
4267130.20        3.80255  (11122818)
       608304.80   4267130.20        3.73926  (11122818)              608309.80
4267130.20        3.67347  (11122818)
       608160.00   4267047.10        3.57184  (09120908)              608165.00
4267047.10        3.56798  (09120908)
       608170.00   4267047.10        3.55636  (09120908)              608175.00
4267047.10        3.55277  (10021319)
       608180.00   4267047.10        3.56650  (10021319)              608185.00
4267047.10        3.57224  (10021319)
       608190.00   4267047.10        3.56983  (10021319)              608195.00
4267047.10        3.55915  (10021319)
       608200.00   4267047.10        3.54016  (10021319)              608205.00
4267047.10        3.51287  (10021319)
       608210.00   4267047.10        3.47740  (10021319)              608215.00
4267047.10        3.43395  (10021319)
       608165.00   4267052.10        3.60545  (09120908)              608170.00
4267052.10        3.59458  (10021319)
```

UMAll_AERMOD_output file
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 128
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608175.00	4267052.10	3.61077	(10021319)	608180.00	4267052.10	3.61893	(10021319)
608185.00	4267052.10	3.61889	(10021319)	608190.00	4267052.10	3.61049	(10021319)
608195.00	4267052.10	3.59364	(10021319)	608200.00	4267052.10	3.56832	(10021319)
608205.00	4267052.10	3.53460	(10021319)	608210.00	4267052.10	3.49265	(10021319)
608215.00	4267052.10	3.47164	(13010518)	608220.00	4267052.10	3.49159	(13010518)
608165.00	4267057.10	3.64069	(09120908)	608170.00	4267057.10	3.65501	(10021319)
608175.00	4267057.10	3.66565	(10021319)	608180.00	4267057.10	3.66804	(10021319)
608185.00	4267057.10	3.66200	(10021319)	608190.00	4267057.10	3.64740	(10021319)
608195.00	4267057.10	3.62416	(10021319)	608200.00	4267057.10	3.59233	(10021319)
608205.00	4267057.10	3.55201	(10021319)	608210.00	4267057.10	3.52557	(13010518)
608215.00	4267057.10	3.54634	(13010518)	608220.00	4267057.10	3.55908	(13010518)
608165.00	4267062.10	3.69920	(10021319)	608170.00	4267062.10	3.71234	(10021319)
608175.00	4267062.10	3.71722	(10021319)	608180.00	4267062.10	3.71362	(10021319)

UMAll_AERMOD_output file

```
       608185.00   4267062.10        3.70137  (10021319)              608190.00
4267062.10        3.68034  (10021319)
       608195.00   4267062.10        3.65051  (10021319)              608200.00
4267062.10        3.61197  (10021319)
       608205.00   4267062.10        3.58063  (13010518)              608210.00
4267062.10        3.60225  (13010518)
       608215.00   4267062.10        3.61566  (13010518)              608220.00
4267062.10        3.62081  (13010518)
       608200.00   4267067.10        3.63680  (13010518)              608205.00
4267067.10        3.65931  (13010518)
       608210.00   4267067.10        3.67343  (13010518)              608215.00
4267067.10        3.67908  (13010518)
       608220.00   4267067.10        3.67871  (11010508)              608136.20
4267335.60        3.52718  (10030620)
       608141.20   4267335.60        3.46695  (10030620)              608146.20
4267335.60        3.40801  (10030620)
       608151.20   4267335.60        3.36309  (09120419)              608136.20
4267340.60        3.44747  (10030620)
       608141.20   4267340.60        3.40221  (10030620)              608146.20
4267340.60        3.35682  (10030620)
       608151.20   4267340.60        3.31121  (10030620)              608071.20
4267345.60        2.39641  (10030620)
       608076.20   4267345.60        2.39754  (13013008)              608081.20
4267345.60        2.49647  (09011020)
       608086.20   4267345.60        2.33283  (10030620)              608091.20
4267345.60        2.31722  (10030620)
       608096.20   4267345.60        2.30150  (10030620)              608101.20
4267345.60        2.28578  (10030620)
       608106.20   4267345.60        2.27015  (10030620)              608111.20
4267345.60        2.25472  (10030620)
       608116.20   4267345.60        3.45398  (10030620)              608121.20
4267345.60        3.42911  (10030620)
       608126.20   4267345.60        3.40299  (10030620)              608131.20
4267345.60        3.37558  (10030620)
       608136.20   4267345.60        3.34686  (10030620)              608141.20
4267345.60        3.31681  (10030620)
       608146.20   4267345.60        3.28540  (10030620)              608151.20
4267345.60        3.25264  (10030620)
       608061.20   4267350.60        2.45855  (12020520)              608066.20
4267350.60        2.40043  (12020520)
       608071.20   4267350.60        2.35731  (10112919)              608076.20
4267350.60        2.42169  (09011020)
       608081.20   4267350.60        2.48558  (12020520)              608086.20
4267350.60        2.50595  (13100818)
       608091.20   4267350.60        2.23315  (10030620)              608096.20
4267350.60        2.22615  (10030620)
       608101.20   4267350.60        2.21818  (10030620)              608106.20
4267350.60        2.20937  (10030620)
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UMAll_AERMOD_output file

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       608111.20   4267350.60        3.26857  (10030620)               608116.20
 4267350.60        3.26469  (10030620)
       608121.20   4267350.60        3.25860  (10030620)               608126.20
 4267350.60        3.25028  (10030620)
       608131.20   4267350.60        3.23970  (10030620)               608136.20
 4267350.60        3.22684  (10030620)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 129
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608141.20   4267350.60        3.21169  (10030620)               608146.20
 4267350.60        3.19425  (10030620)
       608151.20   4267350.60        3.17453  (10030620)               608061.20
 4267355.60        2.42304  (12020520)
       608066.20   4267355.60        2.37701  (12020520)               608071.20
 4267355.60        2.40624  (13111018)
       608076.20   4267355.60        2.42047  (12020520)               608081.20
 4267355.60        2.40424  (13100818)
       608086.20   4267355.60        2.49802  (10112919)               608091.20
 4267355.60        2.53998  (09111618)
       608096.20   4267355.60        2.65113  (13012018)               608101.20
 4267355.60        2.13860  (10030620)
       608106.20   4267355.60        3.13192  (10112919)               608111.20
 4267355.60        3.10127  (10112919)
       608116.20   4267355.60        3.06609  (09111618)               608121.20
 4267355.60        3.07530  (10030620)
       608126.20   4267355.60        3.08294  (10030620)               608131.20
 4267355.60        3.08773  (10030620)
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       608136.20   4267355.60        3.08963  (10030620)              608141.20
4267355.60        3.08860  (10030620)
       608146.20   4267355.60        3.08463  (10030620)              608151.20
4267355.60        3.07774  (10030620)
       608061.20   4267360.60        2.42335  (09011020)              608066.20
4267360.60        2.38997  (09011020)
       608071.20   4267360.60        2.38391  (12020520)              608076.20
4267360.60        2.36078  (12020520)
       608081.20   4267360.60        2.33639  (12020520)              608086.20
4267360.60        2.38967  (10112919)
       608091.20   4267360.60        2.44886  (13012018)              608096.20
4267360.60        3.91044  (13012018)
       608101.20   4267360.60        3.80886  (13012018)              608106.20
4267360.60        3.03333  (10112919)
       608111.20   4267360.60        3.01900  (10112919)              608116.20
4267360.60        2.99631  (10112919)
       608121.20   4267360.60        2.96546  (10112919)              608126.20
4267360.60        2.94000  (09111618)
       608131.20   4267360.60        2.92280  (10030620)              608136.20
4267360.60        2.93798  (10030620)
       608141.20   4267360.60        2.94990  (10030620)              608146.20
4267360.60        2.95852  (10030620)
       608151.20   4267360.60        2.96381  (10030620)              608061.20
4267365.60        2.37529  (09011020)
       608066.20   4267365.60        2.34866  (12020520)              608071.20
4267365.60        2.33119  (12020520)
       608076.20   4267365.60        4.05415  (13012018)              608081.20
4267365.60        4.00163  (13012018)
       608086.20   4267365.60        3.93342  (13012018)              608091.20
4267365.60        3.85231  (13012018)
       608096.20   4267365.60        3.76123  (13012018)              608101.20
4267365.60        3.66232  (13012018)
       608106.20   4267365.60        3.55613  (13012018)              608111.20
4267365.60        3.44143  (13012018)
       608116.20   4267365.60        3.31535  (13012018)              608121.20
4267365.60        3.29385  (10112919)
       608126.20   4267365.60        2.88026  (10112919)              608131.20
4267365.60        2.85559  (09111618)
       608136.20   4267365.60        2.83095  (09111618)              608141.20
4267365.60        3.36539  (10112919)
       608146.20   4267365.60        3.36874  (10112919)              608151.20
4267365.60        3.37561  (09111618)
       608061.20   4267370.60        3.96782  (13012018)              608066.20
4267370.60        3.96338  (13012018)
       608071.20   4267370.60        3.94492  (13012018)              608076.20
4267370.60        3.91023  (13012018)
       608081.20   4267370.60        3.85910  (13012018)              608086.20
4267370.60        3.79299  (13012018)
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UMAll_AERMOD_output file

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       608091.20   4267370.60        3.71438  (13012018)               608096.20
 4267370.60        3.62589  (13012018)
       608101.20   4267370.60        3.52941  (13012018)               608106.20
 4267370.60        3.42542  (13012018)
       608111.20   4267370.60        3.31278  (13012018)               608116.20
 4267370.60        3.18891  (13012018)
       608121.20   4267370.60        3.16560  (12020520)               608126.20
 4267370.60        3.17754  (12020520)
       608131.20   4267370.60        3.19454  (10112919)               608136.20
 4267370.60        3.21753  (10112919)
       608141.20   4267370.60        3.23550  (10112919)               608146.20
 4267370.60        3.24808  (10112919)
       608151.20   4267370.60        3.25486  (10112919)               608061.20
 4267375.60        3.83802  (13012018)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608066.20   4267375.60        3.83241  (13012018)               608071.20
 4267375.60        3.81350  (13012018)
       608076.20   4267375.60        3.77923  (13012018)               608081.20
 4267375.60        3.72935  (13012018)
       608086.20   4267375.60        3.66513  (13012018)               608091.20
 4267375.60        3.58878  (13012018)
       608096.20   4267375.60        3.50263  (13012018)               608101.20
 4267375.60        3.40837  (13012018)
       608106.20   4267375.60        3.30641  (13012018)               608111.20
 4267375.60        3.19570  (13012018)
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UMAll_AERMOD_output file

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       608116.20   4267375.60        3.07389  (13012018)              608121.20
4267375.60        3.05815  (12020520)
       608126.20   4267375.60        3.07440  (12020520)              608131.20
4267375.60        3.08649  (12020520)
       608136.20   4267375.60        3.09414  (12020520)              608141.20
4267375.60        3.11309  (10112919)
       608146.20   4267375.60        3.13295  (10112919)              608151.20
4267375.60        3.14776  (10112919)
       608061.20   4267380.60        3.71950  (13012018)              608066.20
4267380.60        3.71280  (13012018)
       608071.20   4267380.60        3.69347  (13012018)              608076.20
4267380.60        3.65957  (13012018)
       608081.20   4267380.60        3.61080  (13012018)              608086.20
4267380.60        3.54829  (13012018)
       608091.20   4267380.60        3.47399  (13012018)              608096.20
4267380.60        3.38998  (13012018)
       608101.20   4267380.60        3.29776  (13012018)              608106.20
4267380.60        3.19767  (13012018)
       608111.20   4267380.60        3.08876  (13012018)              608116.20
4267380.60        2.96889  (13012018)
       608121.20   4267380.60        2.95952  (12020520)              608126.20
4267380.60        2.97953  (12020520)
       608131.20   4267380.60        2.99568  (12020520)              608136.20
4267380.60        3.00780  (12020520)
       608141.20   4267380.60        3.01558  (12020520)              608146.20
4267380.60        3.02227  (10112919)
       608151.20   4267380.60        3.04352  (10112919)              608061.20
4267385.60        3.61096  (13012018)
       608066.20   4267385.60        3.60325  (13012018)              608071.20
4267385.60        3.58351  (13012018)
       608076.20   4267385.60        3.54993  (13012018)              608081.20
4267385.60        3.50217  (13012018)
       608086.20   4267385.60        3.44120  (13012018)              608091.20
4267385.60        3.36876  (13012018)
       608096.20   4267385.60        3.28671  (13012018)              608101.20
4267385.60        3.19635  (13012018)
       608106.20   4267385.60        3.09800  (13012018)              608111.20
4267385.60        2.99076  (13012018)
       608116.20   4267385.60        2.87270  (13012018)              608121.20
4267385.60        2.87305  (09011020)
       608126.20   4267385.60        2.89071  (12020520)              608131.20
4267385.60        2.91045  (12020520)
       608136.20   4267385.60        2.92643  (12020520)              608141.20
4267385.60        2.93847  (12020520)
       608146.20   4267385.60        2.94620  (12020520)              608151.20
4267385.60        2.94909  (12020520)
       608061.20   4267390.60        3.51129  (13012018)              608066.20
4267390.60        3.50265  (13012018)
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UMAll_AERMOD_output file

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       608071.20   4267390.60        3.48253  (13012018)               608076.20
 4267390.60        3.44922  (13012018)
       608081.20   4267390.60        3.40236  (13012018)               608086.20
 4267390.60        3.34279  (13012018)
       608091.20   4267390.60        3.27204  (13012018)               608096.20
 4267390.60        3.19177  (13012018)
       608101.20   4267390.60        3.10313  (13012018)               608106.20
 4267390.60        3.00638  (13012018)
       608111.20   4267390.60        2.90070  (13012018)               608116.20
 4267390.60        2.78436  (13012018)
       608121.20   4267390.60        2.79771  (09011020)               608126.20
 4267390.60        2.81497  (09011020)
       608131.20   4267390.60        2.82923  (12020520)               608136.20
 4267390.60        2.84866  (12020520)
       608141.20   4267390.60        2.86440  (12020520)               608146.20
 4267390.60        2.87622  (12020520)
       608151.20   4267390.60        2.88370  (12020520)               608061.20
 4267395.60        3.41958  (13012018)
       608066.20   4267395.60        3.41006  (13012018)               608071.20
 4267395.60        3.38958  (13012018)
       608076.20   4267395.60        3.35650  (13012018)               608081.20
 4267395.60        3.31046  (13012018)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608086.20   4267395.60        3.25215  (13012018)               608091.20
 4267395.60        3.18294  (13012018)
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       608096.20   4267395.60        3.10430  (13012018)              608101.20
4267395.60        3.01724  (13012018)
       608106.20   4267395.60        2.92198  (13012018)              608111.20
4267395.60        2.81776  (13012018)
       608116.20   4267395.60        2.70302  (13012018)              608121.20
4267395.60        2.72557  (09011020)
       608126.20   4267395.60        2.74559  (09011020)              608131.20
4267395.60        2.76225  (09011020)
       608136.20   4267395.60        2.77555  (09011020)              608141.20
4267395.60        2.79247  (12020520)
       608146.20   4267395.60        2.80789  (12020520)              608151.20
4267395.60        2.81935  (12020520)
       608056.20   4267400.60        3.33746  (13012018)              608061.20
4267400.60        3.33503  (13012018)
       608066.20   4267400.60        3.32469  (13012018)              608071.20
4267400.60        3.30385  (13012018)
       608076.20   4267400.60        3.27097  (13012018)              608081.20
4267400.60        3.22566  (13012018)
       608086.20   4267400.60        3.16850  (13012018)              608091.20
4267400.60        3.10070  (13012018)
       608096.20   4267400.60        3.02354  (13012018)              608101.20
4267400.60        2.93794  (13012018)
       608106.20   4267400.60        2.84405  (13012018)              608111.20
4267400.60        2.74120  (13012018)
       608116.20   4267400.60        2.64408  (13011019)              608121.20
4267400.60        2.65564  (09011020)
       608126.20   4267400.60        2.67832  (09011020)              608131.20
4267400.60        2.69767  (09011020)
       608136.20   4267400.60        2.71372  (09011020)              608141.20
4267400.60        2.72642  (09011020)
       608146.20   4267400.60        2.74063  (12020520)              608151.20
4267400.60        2.75561  (12020520)
       608056.20   4267405.60        3.26040  (13012018)              608061.20
4267405.60        3.25695  (13012018)
       608066.20   4267405.60        3.24584  (13012018)              608071.20
4267405.60        3.22466  (13012018)
       608076.20   4267405.60        3.19195  (13012018)              608081.20
4267405.60        3.14729  (13012018)
       608086.20   4267405.60        3.09117  (13012018)              608091.20
4267405.60        3.02465  (13012018)
       608096.20   4267405.60        2.94885  (13012018)              608101.20
4267405.60        2.86458  (13012018)
       608106.20   4267405.60        2.77198  (13012018)              608111.20
4267405.60        2.67041  (13012018)
       608116.20   4267405.60        2.59249  (13011019)              608121.20
4267405.60        2.60335  (13011019)
       608126.20   4267405.60        2.61352  (13122119)              608131.20
4267405.60        2.63437  (09011020)
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UMAll_AERMOD_output file

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       608136.20   4267405.60        2.65305  (09011020)                608141.20
 4267405.60        2.66847  (09011020)
       608146.20   4267405.60        2.68049  (09011020)                608151.20
 4267405.60        2.69217  (12020520)
       608056.20   4267410.60        3.18915  (13012018)                608061.20
 4267410.60        3.18473  (13012018)
       608066.20   4267410.60        3.17290  (13012018)                608071.20
 4267410.60        3.15140  (13012018)
       608076.20   4267410.60        3.11882  (13012018)                608081.20
 4267410.60        3.07474  (13012018)
       608086.20   4267410.60        3.01957  (13012018)                608091.20
 4267410.60        2.95420  (13012018)
       608096.20   4267410.60        2.87966  (13012018)                608101.20
 4267410.60        2.79663  (13012018)
       608106.20   4267410.60        2.70522  (13012018)                608111.20
 4267410.60        2.60485  (13012018)
       608116.20   4267410.60        2.54215  (13011019)                608121.20
 4267410.60        2.55505  (13011019)
       608126.20   4267410.60        2.56492  (13011019)                608131.20
 4267410.60        2.57420  (13122119)
       608136.20   4267410.60        2.59307  (09011020)                608141.20
 4267410.60        2.61107  (09011020)
       608146.20   4267410.60        2.62579  (09011020)                608151.20
 4267410.60        2.63705  (09011020)
       608056.20   4267415.60        3.12317  (13012018)                608061.20
 4267415.60        3.11784  (13012018)
       608066.20   4267415.60        3.10533  (13012018)                608071.20
 4267415.60        3.08351  (13012018)
       608076.20   4267415.60        3.05105  (13012018)                608081.20
 4267415.60        3.00749  (13012018)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                ** CONC OF PM25     IN MICROGRAMS/M**3
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UMAll_AERMOD_output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608086.20	4267415.60	2.95317	(13012018)	608091.20	4267415.60	2.88886	(13012018)
608096.20	4267415.60	2.81546	(13012018)	608101.20	4267415.60	2.73357	(13012018)
608106.20	4267415.60	2.64328	(13012018)	608111.20	4267415.60	2.54404	(13012018)
608116.20	4267415.60	2.49263	(13011019)	608121.20	4267415.60	2.50754	(13011019)
608146.20	4267415.60	2.57118	(09011020)	608151.20	4267415.60	2.58515	(09011020)
608056.20	4267420.60	3.06198	(13012018)	608061.20	4267420.60	3.05581	(13012018)
608066.20	4267420.60	3.04266	(13012018)	608071.20	4267420.60	3.02053	(13012018)
608076.20	4267420.60	2.98815	(13012018)	608081.20	4267420.60	2.94506	(13012018)
608086.20	4267420.60	2.89150	(13012018)	608091.20	4267420.60	2.82817	(13012018)
607905.00	4267340.20	4.63768	(12011318)	607910.00	4267340.20	4.72149	(12011318)
607915.00	4267340.20	4.81701	(13010118)	607920.00	4267340.20	4.91501	(13010118)
607905.00	4267345.20	4.58639	(13010118)	607910.00	4267345.20	4.67190	(13010118)
607915.00	4267345.20	4.75607	(13010118)	607920.00	4267345.20	4.84248	(09011608)
607930.00	4267345.20	5.00917	(09011608)	607935.00	4267345.20	5.08673	(09011608)
607940.00	4267345.20	5.15955	(09011608)	607945.00	4267345.20	5.22700	(09011608)
607900.00	4267350.20	4.45851	(13010118)	607905.00	4267350.20	4.53194	(13010118)
607910.00	4267350.20	4.60753	(09011608)	607915.00	4267350.20	4.68162	(09011608)
607935.00	4267350.20	4.93637	(09011608)	607940.00	4267350.20	4.98664	(09011608)
607945.00	4267350.20	5.03050	(09011608)	607950.00	4267350.20	5.06752	(09011608)
607955.00	4267350.20	5.09738	(09011608)	607960.00	4267350.20	5.11980	(09011608)
607965.00	4267350.20	3.28081	(09011608)	607970.00	4267350.20	3.33673	(09011608)

UMAll_AERMOD_output file

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       607975.00   4267350.20        3.39254  (09011608)                607980.00
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       607985.00   4267350.20        3.52559  (09011608)                607990.00
 4267350.20        3.57362  (09011608)
       607995.00   4267350.20        3.61784  (09011608)                608000.00
 4267350.20        3.65726  (09011608)
       608005.00   4267350.20        3.69091  (09011608)                608010.00
 4267350.20        3.71788  (09011608)
       608015.00   4267350.20        3.73731  (09011608)                607900.00
 4267355.20        6.02060  (09011608)
       607905.00   4267355.20        4.46590  (09011608)                607910.00
 4267355.20        4.52734  (09011608)
       607915.00   4267355.20        4.58462  (09011608)                607935.00
 4267355.20        4.76100  (09011608)
       607940.00   4267355.20        4.78951  (09011608)                607945.00
 4267355.20        4.81106  (09011608)
       607950.00   4267355.20        4.82539  (09011608)                607955.00
 4267355.20        4.83234  (09011608)
       607960.00   4267355.20        4.83182  (09011608)                607965.00
 4267355.20        4.82379  (09011608)
       607970.00   4267355.20        3.26641  (09011608)                607975.00
 4267355.20        3.31059  (09011608)
       607980.00   4267355.20        3.37689  (09011608)                607985.00
 4267355.20        3.41275  (09011608)
       607990.00   4267355.20        3.44395  (09011608)                607995.00
 4267355.20        3.46962  (09011608)
       608000.00   4267355.20        3.48893  (09011608)                608005.00
 4267355.20        3.50110  (09011608)
       608010.00   4267355.20        3.50543  (09011608)                608015.00
 4267355.20        3.50131  (09011608)
       607900.00   4267360.20        5.70868  (09011608)                607905.00
 4267360.20        5.69086  (09011608)
       607910.00   4267360.20        5.66493  (09011608)                607915.00
 4267360.20        4.46398  (09011608)
       607935.00   4267360.20        4.56362  (09011608)                607940.00
 4267360.20        4.57183  (09011608)
       607945.00   4267360.20        4.57295  (09011608)                607950.00
 4267360.20        4.56687  (09011608)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 133
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607955.00	4267360.20	4.55360	(09011608)	607960.00	4267360.20	4.53316	(09011608)
607965.00	4267360.20	4.50564	(09011608)	607970.00	4267360.20	4.87477	(09011608)
607975.00	4267360.20	4.72100	(13120919)	607980.00	4267360.20	3.25830	(09011608)
607985.00	4267360.20	3.27774	(09011608)	607990.00	4267360.20	3.29115	(09011608)
607995.00	4267360.20	3.29784	(09011608)	608000.00	4267360.20	3.29716	(09011608)
608005.00	4267360.20	3.28858	(09011608)	608010.00	4267360.20	3.27409	(13120919)
608015.00	4267360.20	3.34821	(13120919)	607895.00	4267365.20	5.41779	(09011608)
607900.00	4267365.20	5.38899	(09011608)	607905.00	4267365.20	5.35290	(09011608)
607910.00	4267365.20	5.31000	(09011608)	607935.00	4267365.20	4.34796	(09011608)
607940.00	4267365.20	4.33779	(09011608)	607945.00	4267365.20	4.32073	(09011608)
607950.00	4267365.20	4.29682	(09011608)	607955.00	4267365.20	4.69684	(09011608)
607960.00	4267365.20	4.60974	(09011608)	607965.00	4267365.20	4.55297	(13120919)
607970.00	4267365.20	4.53378	(13120919)	607975.00	4267365.20	4.50774	(13120919)
607980.00	4267365.20	4.47460	(13120919)	607985.00	4267365.20	4.43430	(13120919)
607990.00	4267365.20	4.39178	(12122919)	607995.00	4267365.20	3.10478	(09011608)
608000.00	4267365.20	3.08519	(09011608)	608005.00	4267365.20	3.13568	(13120919)
608010.00	4267365.20	3.20535	(13120919)	608015.00	4267365.20	3.26490	(10012719)

UMAll_AERMOD_output file

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       607900.00   4267370.20        5.06783  (09011608)              607905.00
4267370.20        5.01757  (09011608)
       607910.00   4267370.20        4.96179  (09011608)              607915.00
4267370.20        4.90100  (09011608)
       607920.00   4267370.20        4.83567  (09011608)              607925.00
4267370.20        4.76628  (09011608)
       607930.00   4267370.20        4.69322  (09011608)              607935.00
4267370.20        4.61685  (09011608)
       607940.00   4267370.20        4.53750  (09011608)              607945.00
4267370.20        4.46013  (10020319)
       607950.00   4267370.20        4.42494  (10020319)              607955.00
4267370.20        4.39734  (13120919)
       607960.00   4267370.20        4.38560  (13120919)              607965.00
4267370.20        4.36785  (13120919)
       607970.00   4267370.20        4.34364  (13120919)              607975.00
4267370.20        4.31265  (13120919)
       607980.00   4267370.20        4.27474  (13120919)              607985.00
4267370.20        4.23953  (12122919)
       607990.00   4267370.20        4.20533  (12122919)              607995.00
4267370.20        4.16529  (10122318)
       608000.00   4267370.20        4.13870  (10122318)              608005.00
4267370.20        4.10930  (10122318)
       608010.00   4267370.20        4.07776  (10122318)              608015.00
4267370.20        4.04382  (10122318)
       607895.00   4267375.20        4.80624  (09011608)              607900.00
4267375.20        4.75019  (09011608)
       607905.00   4267375.20        4.68930  (09011608)              607910.00
4267375.20        4.62404  (09011608)
       607915.00   4267375.20        4.55489  (09011608)              607920.00
4267375.20        4.48225  (09011608)
       607925.00   4267375.20        4.40650  (09011608)              607930.00
4267375.20        4.35168  (12123119)
       607935.00   4267375.20        4.32617  (10020319)              607940.00
4267375.20        4.29788  (10020319)
       607945.00   4267375.20        4.26258  (10020319)              607950.00
4267375.20        4.24731  (13120919)
       607955.00   4267375.20        4.23651  (13120919)              607960.00
4267375.20        4.22005  (13120919)
       607965.00   4267375.20        4.19749  (13120919)              607970.00
4267375.20        4.16848  (13120919)
       607975.00   4267375.20        4.13281  (13120919)              607980.00
4267375.20        4.10313  (12122919)
       607985.00   4267375.20        4.07168  (12122919)              607990.00
4267375.20        4.03658  (10122318)
       607995.00   4267375.20        4.01265  (10122318)              608000.00
4267375.20        3.98519  (10122318)
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UMAll_AERMOD_output file
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 134
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608005.00	4267375.20	3.95510	(10122318)	608010.00	4267375.20	3.92257	(10122318)
608015.00	4267375.20	3.89063	(09011118)	607890.00	4267380.20	4.56521	(09011608)
607895.00	4267380.20	4.50462	(09011608)	607900.00	4267380.20	4.43979	(09011608)
607905.00	4267380.20	4.37117	(09011608)	607910.00	4267380.20	4.29918	(09011608)
607915.00	4267380.20	4.24545	(12123119)	607920.00	4267380.20	4.22895	(12123119)
607925.00	4267380.20	4.20428	(12123119)	607930.00	4267380.20	4.18277	(10020319)
607935.00	4267380.20	4.15422	(10020319)	607940.00	4267380.20	4.11891	(10020319)
607945.00	4267380.20	4.11299	(13120919)	607950.00	4267380.20	4.10306	(13120919)
607955.00	4267380.20	4.08777	(13120919)	607960.00	4267380.20	4.06671	(13120919)
607965.00	4267380.20	4.03952	(13120919)	607970.00	4267380.20	4.00594	(13120919)
607975.00	4267380.20	3.98029	(12122919)	607980.00	4267380.20	3.95150	(12122919)
607985.00	4267380.20	3.91935	(10122318)	607990.00	4267380.20	3.89834	(10122318)
607995.00	4267380.20	3.87318	(10122318)	608000.00	4267380.20	3.84482	(10122318)

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       608005.00   4267380.20        3.81377  (10122318)              608010.00
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       608015.00   4267380.20        3.75894  (13012018)              607890.00
4267385.20        4.27815  (09011608)
       607895.00   4267385.20        4.21029  (09011608)              607900.00
4267385.20        4.14442  (12010608)
       607905.00   4267385.20        4.13188  (12010608)              607910.00
4267385.20        4.11607  (12123119)
       607915.00   4267385.20        4.09846  (12123119)              607920.00
4267385.20        4.07671  (10020319)
       607925.00   4267385.20        4.05498  (10020319)              607930.00
4267385.20        4.02631  (10020319)
       607935.00   4267385.20        3.99637  (13120919)              607940.00
4267385.20        3.99222  (13120919)
       607945.00   4267385.20        3.98313  (13120919)              607950.00
4267385.20        3.96890  (13120919)
       607955.00   4267385.20        3.94921  (13120919)              607960.00
4267385.20        3.92369  (13120919)
       607965.00   4267385.20        3.89223  (10012719)              607970.00
4267385.20        3.86916  (12122919)
       607975.00   4267385.20        3.84292  (12122919)              607980.00
4267385.20        3.81195  (10122318)
       607985.00   4267385.20        3.79400  (10122318)              607990.00
4267385.20        3.77141  (10122318)
       607995.00   4267385.20        3.74509  (10122318)              608000.00
4267385.20        3.71570  (10122318)
       608005.00   4267385.20        3.68541  (09011118)              608010.00
4267385.20        3.66457  (11120818)
       608015.00   4267385.20        3.64994  (13012018)              607890.00
4267390.20        4.03268  (12010608)
       607895.00   4267390.20        4.02754  (12010608)              607900.00
4267390.20        4.01320  (12010608)
       607905.00   4267390.20        3.99998  (12123119)              607910.00
4267390.20        3.98149  (12123119)
       607915.00   4267390.20        3.96247  (10020319)              607920.00
4267390.20        3.94057  (10020319)
       607925.00   4267390.20        3.91187  (10020319)              607930.00
4267390.20        3.88658  (13120919)
       607935.00   4267390.20        3.88320  (13120919)              607940.00
4267390.20        3.87493  (13120919)
       607945.00   4267390.20        3.86170  (13120919)              607950.00
4267390.20        3.84326  (13120919)
       607955.00   4267390.20        3.81927  (13120919)              607960.00
4267390.20        3.78980  (10012719)
       607965.00   4267390.20        3.76828  (12122919)              607970.00
4267390.20        3.74443  (12122919)
       607975.00   4267390.20        3.71481  (12122919)              607980.00
4267390.20        3.69820  (10122318)
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UMAll_AERMOD_output file

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       607985.00   4267390.20        3.67837  (10122318)                607990.00
 4267390.20        3.65435  (10122318)
       607995.00   4267390.20        3.62685  (10122318)                608000.00
 4267390.20        3.59753  (09011118)
       608005.00   4267390.20        3.57854  (11120818)                608010.00
 4267390.20        3.56148  (11120818)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608015.00   4267390.20        3.55000  (13012018)                607890.00
 4267395.20        3.92197  (12010608)
       607895.00   4267395.20        3.90642  (12123119)                607900.00
 4267395.20        3.89536  (12123119)
       607905.00   4267395.20        3.87617  (12123119)                607910.00
 4267395.20        3.85964  (10020319)
       607915.00   4267395.20        3.83767  (10020319)                607920.00
 4267395.20        3.80904  (10020319)
       607925.00   4267395.20        3.78693  (13120919)                607930.00
 4267395.20        3.78439  (13120919)
       607935.00   4267395.20        3.77697  (13120919)                607940.00
 4267395.20        3.76471  (13120919)
       607945.00   4267395.20        3.74744  (13120919)                607950.00
 4267395.20        3.72485  (13120919)
       607955.00   4267395.20        3.69690  (10012719)                607960.00
 4267395.20        3.67641  (12122919)
       607965.00   4267395.20        3.65479  (12122919)                607970.00
 4267395.20        3.62756  (12122919)
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       607975.00   4267395.20        3.60986  (10122318)              607980.00
4267395.20        3.59285  (10122318)
       607985.00   4267395.20        3.57133  (10122318)              607990.00
4267395.20        3.54594  (10122318)
       607995.00   4267395.20        3.51766  (09011118)              608000.00
4267395.20        3.49852  (11120818)
       608005.00   4267395.20        3.48301  (11120818)              608010.00
4267395.20        3.46708  (11120818)
       608015.00   4267395.20        3.45816  (13012018)              607917.70
4267058.10        3.92391  (11021008)
       607922.70   4267058.10        3.92489  (11021008)              607927.70
4267058.10        3.92261  (11021008)
       607932.70   4267058.10        3.91664  (11021008)              607937.70
4267058.10        3.90634  (11021008)
       607942.70   4267058.10        3.89094  (11021008)              607947.70
4267058.10        3.88067  (11122708)
       607952.70   4267058.10        3.88488  (11122708)              607957.70
4267058.10        3.88713  (11122708)
       607962.70   4267058.10        3.88675  (11122708)              607967.70
4267058.10        3.88301  (11122708)
       607972.70   4267058.10        3.87527  (11122708)              607977.70
4267058.10        3.86298  (11122708)
       607982.70   4267058.10        3.85824  (09120819)              607987.70
4267058.10        3.85632  (09120819)
       607917.70   4267063.10        3.97795  (11021008)              607922.70
4267063.10        3.98081  (11021008)
       607927.70   4267063.10        3.98061  (11021008)              607932.70
4267063.10        3.97702  (11021008)
       607937.70   4267063.10        3.96947  (11021008)              607942.70
4267063.10        3.95721  (11021008)
       607947.70   4267063.10        3.93944  (11021008)              607952.70
4267063.10        3.93850  (11122708)
       607957.70   4267063.10        3.94186  (11122708)              607962.70
4267063.10        3.94285  (11122708)
       607967.70   4267063.10        3.94068  (11122708)              607972.70
4267063.10        3.93466  (11122708)
       607977.70   4267063.10        3.92420  (11122708)              607982.70
4267063.10        3.91305  (09120819)
       607987.70   4267063.10        3.91212  (09120819)              607917.70
4267068.10        4.03323  (11021008)
       607922.70   4267068.10        4.03792  (11021008)              607927.70
4267068.10        4.03967  (11021008)
       607932.70   4267068.10        4.03828  (11021008)              607937.70
4267068.10        4.03328  (11021008)
       607942.70   4267068.10        4.02397  (11021008)              607947.70
4267068.10        4.00955  (11021008)
       607952.70   4267068.10        3.99386  (11122708)              607957.70
4267068.10        3.99825  (11122708)
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UMAll_AERMOD_output file

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       607962.70   4267068.10        4.00054  (11122708)               607967.70
 4267068.10        3.99992  (11122708)
       607972.70   4267068.10        3.99560  (11122708)               607977.70
 4267068.10        3.98695  (11122708)
       607982.70   4267068.10        3.97350  (11122708)               607987.70
 4267068.10        3.96980  (09120819)
       607917.70   4267073.10        4.08990  (11021008)               607922.70
 4267073.10        4.09640  (11021008)
       607927.70   4267073.10        4.09998  (11021008)               607932.70
 4267073.10        4.10064  (11021008)
       607937.70   4267073.10        4.09801  (11021008)               607942.70
 4267073.10        4.09146  (11021008)
       607947.70   4267073.10        4.08020  (11021008)               607952.70
 4267073.10        4.06339  (11021008)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607957.70   4267073.10        4.05644  (11122708)               607962.70
 4267073.10        4.05996  (11122708)
       607967.70   4267073.10        4.06084  (11122708)               607972.70
 4267073.10        4.05822  (11122708)
       607977.70   4267073.10        4.05137  (11122708)               607982.70
 4267073.10        4.03978  (11122708)
       607987.70   4267073.10        4.02948  (09120819)               607917.70
 4267078.10        4.14806  (11021008)
       607922.70   4267078.10        4.15641  (11021008)               607927.70
 4267078.10        4.16176  (11021008)
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UMAll_AERMOD_output file

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       607932.70   4267078.10        4.16432  (11021008)              607937.70
4267078.10        4.16389  (11021008)
       607942.70   4267078.10        4.15990  (11021008)              607947.70
4267078.10        4.15161  (11021008)
       607952.70   4267078.10        4.13818  (11021008)              607957.70
4267078.10        4.11873  (11021008)
       607962.70   4267078.10        4.12124  (11122708)              607967.70
4267078.10        4.12357  (11122708)
       607972.70   4267078.10        4.12263  (11122708)              607977.70
4267078.10        4.11759  (11122708)
       607982.70   4267078.10        4.10787  (11122708)              607987.70
4267078.10        4.09308  (11122708)
       607917.70   4267083.10        4.20781  (11021008)              607922.70
4267083.10        4.21813  (11021008)
       607927.70   4267083.10        4.22522  (11021008)              607932.70
4267083.10        4.22957  (11021008)
       607937.70   4267083.10        4.23115  (11021008)              607942.70
4267083.10        4.22954  (11021008)
       607947.70   4267083.10        4.22403  (11021008)              607952.70
4267083.10        4.21379  (11021008)
       607957.70   4267083.10        4.19793  (11021008)              607962.70
4267083.10        4.18453  (11122708)
       607967.70   4267083.10        4.18824  (11122708)              607972.70
4267083.10        4.18896  (11122708)
       607977.70   4267083.10        4.18574  (11122708)              607982.70
4267083.10        4.17790  (11122708)
       607987.70   4267083.10        4.16500  (11122708)              607917.70
4267088.10        4.26920  (11021008)
       607922.70   4267088.10        4.28170  (11021008)              607927.70
4267088.10        4.29057  (11021008)
       607932.70   4267088.10        4.29661  (11021008)              607937.70
4267088.10        4.30005  (11021008)
       607942.70   4267088.10        4.30063  (11021008)              607947.70
4267088.10        4.29771  (11021008)
       607952.70   4267088.10        4.29048  (11021008)              607957.70
4267088.10        4.27804  (11021008)
       607962.70   4267088.10        4.25950  (11021008)              607967.70
4267088.10        4.25501  (11122708)
       607972.70   4267088.10        4.25734  (11122708)              607977.70
4267088.10        4.25596  (11122708)
       607982.70   4267088.10        4.25003  (11122708)              607987.70
4267088.10        4.23904  (11122708)
       607917.70   4267093.10        4.33221  (11021008)              607922.70
4267093.10        4.34722  (11021008)
       607927.70   4267093.10        4.35800  (11021008)              607932.70
4267093.10        4.36571  (11021008)
       607937.70   4267093.10        4.37087  (11021008)              607942.70
4267093.10        4.37344  (11021008)
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UMAll_AERMOD_output file

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 4267093.10        4.34441  (11021008)
       607967.70   4267093.10        4.32404  (11122708)               607972.70
 4267093.10        4.32795  (11122708)
       607977.70   4267093.10        4.32840  (11122708)               607982.70
 4267093.10        4.32442  (11122708)
       607987.70   4267093.10        4.31537  (11122708)               607917.70
 4267098.10        4.46172  (12121217)
       607922.70   4267098.10        4.41475  (11021008)               607927.70
 4267098.10        4.42768  (11021008)
       607932.70   4267098.10        4.43710  (11021008)               607937.70
 4267098.10        4.44388  (11021008)
       607942.70   4267098.10        4.44827  (11021008)               607947.70
 4267098.10        4.44993  (11021008)
       607952.70   4267098.10        4.44817  (11021008)               607957.70
 4267098.10        4.44205  (11021008)
       607962.70   4267098.10        4.43061  (11021008)               607967.70
 4267098.10        4.41296  (11021008)
       607972.70   4267098.10        4.40093  (11122708)               607977.70
 4267098.10        4.40320  (11122708)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607982.70   4267098.10        4.40121  (11122708)               607987.70
 4267098.10        4.39417  (11122708)
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UMAll_AERMOD_output file

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       607927.70   4267103.10        4.49975  (11021008)              607932.70
4267103.10        4.51101  (11021008)
       607937.70   4267103.10        4.51938  (11021008)              607942.70
4267103.10        4.52542  (11021008)
       607947.70   4267103.10        4.52907  (11021008)              607952.70
4267103.10        4.52973  (11021008)
       607957.70   4267103.10        4.52650  (11021008)              607962.70
4267103.10        4.51839  (11021008)
       607967.70   4267103.10        4.50443  (11021008)              607972.70
4267103.10        4.48374  (11021008)
       607977.70   4267103.10        4.48054  (11122708)              607982.70
4267103.10        4.48058  (11122708)
       607987.70   4267103.10        4.47562  (11122708)              607917.70
4267108.10        4.72848  (12121217)
       607922.70   4267108.10        4.68644  (12121217)              607927.70
4267108.10        4.63493  (12121217)
       607932.70   4267108.10        4.58767  (11021008)              607937.70
4267108.10        4.59766  (11021008)
       607942.70   4267108.10        4.60525  (11021008)              607947.70
4267108.10        4.61066  (11021008)
       607952.70   4267108.10        4.61352  (11021008)              607957.70
4267108.10        4.61299  (11021008)
       607962.70   4267108.10        4.60805  (11021008)              607967.70
4267108.10        4.59765  (11021008)
       607972.70   4267108.10        4.58084  (11021008)              607869.80
4267306.30        6.76705  (13012019)
       607874.80   4267306.30        6.93891  (13012019)              607879.80
4267306.30        4.66654  (13010719)
       607824.80   4267311.30        5.58423  (13012019)              607829.80
4267311.30        5.68262  (13012019)
       607864.80   4267311.30        6.56333  (13010719)              607869.80
4267311.30        6.72528  (13010719)
       607874.80   4267311.30        6.89640  (13010719)              607824.80
4267316.30        5.55208  (13010719)
       607829.80   4267316.30        5.65643  (13010719)              607834.80
4267316.30        5.76497  (13010719)
       607839.80   4267316.30        5.87800  (13010719)              607844.80
4267316.30        5.99584  (13010719)
       607864.80   4267316.30        6.52338  (13010719)              607869.80
4267316.30        6.67174  (13010719)
       607874.80   4267316.30        6.82789  (13010719)              607824.80
4267321.30        5.54224  (13010719)
       607829.80   4267321.30        5.63759  (13010719)              607834.80
4267321.30        5.73644  (13010719)
       607839.80   4267321.30        5.83902  (13010719)              607844.80
4267321.30        5.94559  (13010719)
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UMAll_AERMOD_output file

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       607849.80   4267321.30        6.05641  (13010719)                607854.80
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       607859.80   4267321.30        6.29211  (13010719)                607864.80
 4267321.30        6.41773  (13010719)
       607869.80   4267321.30        6.54911  (13010719)                607874.80
 4267321.30        6.68676  (13010719)
       607819.80   4267326.30        5.40170  (13010719)                607824.80
 4267326.30        5.48337  (13010719)
       607829.80   4267326.30        5.56761  (13010719)                607834.80
 4267326.30        5.65456  (13010719)
       607839.80   4267326.30        5.74438  (13010719)                607844.80
 4267326.30        5.83725  (13010719)
       607849.80   4267326.30        5.93336  (13010719)                607854.80
 4267326.30        6.05807  (13121219)
       607859.80   4267326.30        6.19620  (13121219)                607864.80
 4267326.30        6.33679  (13121219)
       607869.80   4267326.30        6.47995  (13121219)                607874.80
 4267326.30        6.62580  (13121219)
       607819.80   4267331.30        5.30316  (13010719)                607824.80
 4267331.30        5.37261  (13010719)
       607829.80   4267331.30        5.44932  (13121219)                607834.80
 4267331.30        5.56261  (13121219)
       607839.80   4267331.30        5.67698  (13121219)                607844.80
 4267331.30        5.79242  (13121219)
       607849.80   4267331.30        5.90890  (13121219)                607854.80
 4267331.30        6.02638  (13121219)
       607859.80   4267331.30        6.14485  (13121219)                607864.80
 4267331.30        6.26428  (13121219)
       607869.80   4267331.30        6.38469  (13121219)                607819.80
 4267336.30        5.25876  (13121219)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        16:43:32

                                   PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607824.80	4267336.30	5.35639	(13121219)	607829.80	4267336.30	5.45423	(13121219)
607834.80	4267336.30	5.55219	(13121219)	607839.80	4267336.30	5.65018	(13121219)
607844.80	4267336.30	5.74811	(13121219)	607849.80	4267336.30	5.84589	(13121219)
607854.80	4267336.30	5.94344	(13121219)	607859.80	4267336.30	6.04067	(13121219)
607864.80	4267336.30	6.13749	(13121219)	607869.80	4267336.30	6.24548	(12012820)
607814.80	4267341.30	5.16721	(13121219)	607819.80	4267341.30	5.25054	(13121219)
607824.80	4267341.30	5.33327	(13121219)	607829.80	4267341.30	5.41530	(13121219)
607834.80	4267341.30	5.49649	(13121219)	607839.80	4267341.30	5.57672	(13121219)
607844.80	4267341.30	5.65586	(13121219)	607849.80	4267341.30	5.73869	(12012820)
607854.80	4267341.30	5.82851	(12012820)	607859.80	4267341.30	5.91618	(12012820)
607864.80	4267341.30	6.00974	(12011318)	607814.80	4267346.30	5.13251	(13121219)
607819.80	4267346.30	5.20062	(13121219)	607824.80	4267346.30	5.26733	(13121219)
607829.80	4267346.30	5.33249	(13121219)	607834.80	4267346.30	5.40470	(12012820)
607839.80	4267346.30	5.48076	(12012820)	607844.80	4267346.30	5.55427	(12012820)
607849.80	4267346.30	5.62503	(12012820)	607854.80	4267346.30	5.72157	(12011318)
607859.80	4267346.30	5.81791	(12011318)	607864.80	4267346.30	5.90902	(12011318)
607814.80	4267351.30	5.05734	(13121219)	607819.80	4267351.30	5.12113	(12012820)
607824.80	4267351.30	5.18651	(12012820)	607829.80	4267351.30	5.24915	(12012820)
607834.80	4267351.30	5.30885	(12012820)	607839.80	4267351.30	5.38024	(12011318)
607844.80	4267351.30	5.46807	(12011318)	607849.80	4267351.30	5.55080	(12011318)
607854.80	4267351.30	5.62809	(12011318)	607859.80	4267351.30	5.70763	(13010118)

UMAll_AERMOD_output file

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       607819.80   4267356.30        5.03988  (12012820)                607824.80
 4267356.30        5.08777  (12012820)
       607829.80   4267356.30        5.16692  (12011318)                607834.80
 4267356.30        5.24345  (12011318)
       607839.80   4267356.30        5.31478  (12011318)                607844.80
 4267356.30        5.38058  (12011318)
       607849.80   4267356.30        5.45209  (13010118)                607854.80
 4267356.30        5.53583  (13010118)
       607859.80   4267356.30        5.61155  (13010118)                607829.80
 4267361.30        5.10487  (12011318)
       607834.80   4267361.30        5.16099  (12011318)                607839.80
 4267361.30        5.22587  (13010118)
       607844.80   4267361.30        5.30108  (13010118)                607849.80
 4267361.30        5.36849  (13010118)
       607854.80   4267361.30        5.42976  (09011608)                607859.80
 4267361.30        5.49080  (09011608)
       607839.80   4267366.30        5.15291  (13010118)                607844.80
 4267366.30        5.20716  (09011608)
       607849.80   4267366.30        5.26229  (09011608)                607854.80
 4267366.30        5.30847  (09011608)
       607849.80   4267371.30        5.13346  (09011608)                607854.80
 4267371.30        5.15749  (09011608)
       607829.50   4267189.20        5.03181  (11121017)                607834.50
 4267189.20        5.10346  (11121017)
       607839.50   4267189.20        5.18169  (13010208)                607844.50
 4267189.20        5.27168  (13010208)
       607849.50   4267189.20        5.39999  (09020918)                607854.50
 4267189.20        5.59322  (09020918)
       607859.50   4267189.20        5.78732  (09020918)                607864.50
 4267189.20        5.98128  (09020918)
       607869.50   4267189.20        6.17385  (09020918)                607874.50
 4267189.20        6.36363  (09020918)
       607879.50   4267189.20        6.54903  (09020918)                607884.50
 4267189.20        6.72837  (09020918)
       607829.50   4267194.20        5.04793  (11123117)                607834.50
 4267194.20        5.12852  (11121017)
       607839.50   4267194.20        5.21303  (11121017)                607844.50
 4267194.20        5.29609  (11121017)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607849.50	4267194.20	5.37931	(11123118)	607854.50	4267194.20	5.48073	(13010208)
607859.50	4267194.20	5.67390	(09020918)	607864.50	4267194.20	5.87952	(09020918)
607869.50	4267194.20	6.08613	(09020918)	607874.50	4267194.20	6.29253	(09020918)
607879.50	4267194.20	6.49732	(09020918)	607884.50	4267194.20	6.69886	(09020918)
607829.50	4267199.20	5.08002	(11123117)	607834.50	4267199.20	5.15852	(11123117)
607839.50	4267199.20	5.23658	(11123117)	607844.50	4267199.20	5.31654	(11121017)
607849.50	4267199.20	5.41346	(11121017)	607854.50	4267199.20	5.50955	(11121017)
607859.50	4267199.20	5.60449	(11121017)	607864.50	4267199.20	5.75767	(09020918)
607869.50	4267199.20	5.97513	(09020918)	607874.50	4267199.20	6.19485	(09020918)
607879.50	4267199.20	6.41568	(09020918)	607884.50	4267199.20	6.63620	(09020918)
607839.50	4267204.20	5.26268	(13010718)	607844.50	4267204.20	5.35234	(11123117)
607849.50	4267204.20	5.44361	(11123117)	607854.50	4267204.20	5.53503	(11123117)
607859.50	4267204.20	5.63643	(11121017)	607864.50	4267204.20	5.74753	(11121017)
607869.50	4267204.20	5.85832	(11121017)	607874.50	4267204.20	6.07487	(09020918)
607879.50	4267204.20	6.30819	(09020918)	607884.50	4267204.20	6.54405	(09020918)
607839.50	4267209.20	5.36152	(13010718)	607844.50	4267209.20	5.43370	(13010718)
607849.50	4267209.20	5.50698	(13010718)	607854.50	4267209.20	5.58137	(13010718)

UMAll_AERMOD_output file

```
       607859.50   4267209.20        5.67232  (11123117)              607864.50
4267209.20        5.77975  (11123117)
       607869.50   4267209.20        5.88817  (11123117)              607874.50
4267209.20        6.01476  (11121017)
       607879.50   4267209.20        6.17955  (09020918)              607884.50
4267209.20        6.42700  (09020918)
       607839.50   4267214.20        5.42485  (13010718)              607844.50
4267214.20        5.50836  (13010718)
       607849.50   4267214.20        5.59376  (13010718)              607854.50
4267214.20        5.68114  (13010718)
       607859.50   4267214.20        5.77061  (13010718)              607864.50
4267214.20        5.86226  (13010718)
       607869.50   4267214.20        5.95619  (13010718)              607874.50
4267214.20        6.05294  (11123117)
       607879.50   4267214.20        6.18128  (11123117)              607884.50
4267214.20        6.31742  (11121017)
       607839.50   4267219.20        5.45604  (13010718)              607844.50
4267219.20        5.54930  (13010718)
       607849.50   4267219.20        5.64509  (13010718)              607854.50
4267219.20        5.74362  (13010718)
       607859.50   4267219.20        5.84506  (13010718)              607864.50
4267219.20        5.94964  (13010718)
       607869.50   4267219.20        6.05755  (13010718)              607874.50
4267219.20        6.16902  (13010718)
       607879.50   4267219.20        6.28427  (13010718)              607884.50
4267219.20        6.40357  (13010718)
       607839.50   4267224.20        5.49730  (10013119)              607844.50
4267224.20        5.58675  (10013119)
       607849.50   4267224.20        5.67933  (10013119)              607854.50
4267224.20        5.77532  (10013119)
       607859.50   4267224.20        5.88466  (13010718)              607864.50
4267224.20        6.00010  (13010718)
       607869.50   4267224.20        6.11977  (13010718)              607874.50
4267224.20        6.24401  (13010718)
       607879.50   4267224.20        6.37320  (13010718)              607884.50
4267224.20        6.50773  (13010718)
       607839.50   4267229.20        5.52027  (10013119)              607844.50
4267229.20        5.61717  (10013119)
       607849.50   4267229.20        5.71752  (10013119)              607854.50
4267229.20        5.82167  (10013119)
       607859.50   4267229.20        5.92997  (10013119)              607864.50
4267229.20        6.04285  (10013119)
       607869.50   4267229.20        6.16073  (10013119)              607874.50
4267229.20        6.28411  (10013119)
       607879.50   4267229.20        6.42374  (13010718)              607884.50
4267229.20        6.57083  (13010718)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
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UMAll_AERMOD_output file
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 140
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607839.50	4267234.20	5.54389	(12120917)	607844.50	4267234.20	5.63685	(12120917)
607849.50	4267234.20	5.73367	(12120917)	607854.50	4267234.20	5.84138	(10013119)
607859.50	4267234.20	5.95719	(10013119)	607864.50	4267234.20	6.07791	(10013119)
607869.50	4267234.20	6.20406	(10013119)	607874.50	4267234.20	6.33622	(10013119)
607879.50	4267234.20	6.47501	(10013119)	607884.50	4267234.20	6.62116	(10013119)
607839.50	4267239.20	5.56366	(12120917)	607844.50	4267239.20	5.66283	(12120917)
607849.50	4267239.20	5.76592	(12120917)	607854.50	4267239.20	5.87333	(12120917)
607859.50	4267239.20	5.98554	(12120917)	607864.50	4267239.20	6.10307	(12120917)
607869.50	4267239.20	6.22649	(12120917)	607874.50	4267239.20	6.36184	(10013119)
607879.50	4267239.20	6.50866	(10013119)	607884.50	4267239.20	6.66329	(10013119)
607839.50	4267244.20	5.56127	(12120917)	607844.50	4267244.20	5.66697	(12120917)
607849.50	4267244.20	5.77655	(12120917)	607854.50	4267244.20	5.89044	(12120917)
607859.50	4267244.20	6.00914	(12120917)	607864.50	4267244.20	6.13319	(12120917)

UMAll_AERMOD_output file

```
       607869.50   4267244.20        6.26321  (12120917)              607874.50
4267244.20        6.39989  (12120917)
       607879.50   4267244.20        6.54400  (12120917)              607884.50
4267244.20        6.69642  (12120917)
       607839.50   4267249.20        5.53553  (12120917)              607844.50
4267249.20        5.64847  (12120917)
       607849.50   4267249.20        5.76525  (12120917)              607854.50
4267249.20        5.88631  (12120917)
       607859.50   4267249.20        6.01213  (12120917)              607864.50
4267249.20        6.14326  (12120917)
       607869.50   4267249.20        6.28034  (12120917)              607874.50
4267249.20        6.42407  (12120917)
       607879.50   4267249.20        6.57527  (12120917)              607884.50
4267249.20        6.73484  (12120917)
       607839.50   4267254.20        5.59623  (12010919)              607844.50
4267254.20        5.68971  (12010919)
       607849.50   4267254.20        5.78832  (12010919)              607854.50
4267254.20        5.89250  (12010919)
       607859.50   4267254.20        6.00276  (12010919)              607864.50
4267254.20        6.13185  (12120917)
       607869.50   4267254.20        6.27708  (12120917)              607874.50
4267254.20        6.42894  (12120917)
       607879.50   4267254.20        6.58824  (12120917)              607884.50
4267254.20        6.75593  (12120917)
       607839.50   4267259.20        5.69123  (12010919)              607844.50
4267259.20        5.78875  (12010919)
       607849.50   4267259.20        5.89146  (12010919)              607854.50
4267259.20        5.99983  (12010919)
       607859.50   4267259.20        6.11436  (12010919)              607864.50
4267259.20        6.23566  (12010919)
       607869.50   4267259.20        6.36437  (12010919)              607874.50
4267259.20        6.50126  (12010919)
       607879.50   4267259.20        6.64717  (12010919)              607884.50
4267259.20        6.80309  (12010919)
       607839.50   4267264.20        5.76858  (12010919)              607844.50
4267264.20        5.87109  (12010919)
       607849.50   4267264.20        5.97892  (12010919)              607854.50
4267264.20        6.09254  (12010919)
       607859.50   4267264.20        6.21249  (12010919)              607864.50
4267264.20        6.33937  (12010919)
       607869.50   4267264.20        6.47387  (12010919)              607874.50
4267264.20        6.61678  (12010919)
       607879.50   4267264.20        6.76897  (12010919)              607884.50
4267264.20        6.93147  (12010919)
       607839.50   4267269.20        5.82301  (12010919)              607844.50
4267269.20        5.93144  (12010919)
       607849.50   4267269.20        6.04541  (12010919)              607854.50
4267269.20        6.16540  (12010919)
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UMAll_AERMOD_output file

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       607859.50   4267269.20        6.29197  (12010919)               607864.50
 4267269.20        6.42574  (12010919)
       607869.50   4267269.20        6.56744  (12010919)               607874.50
 4267269.20        6.71788  (12010919)
       607879.50   4267269.20        6.87799  (12010919)               607884.50
 4267269.20        7.04884  (12010919)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607839.50   4267274.20        5.84625  (12010919)               607844.50
 4267274.20        5.96125  (12010919)
       607849.50   4267274.20        6.08209  (12010919)               607854.50
 4267274.20        6.20927  (12010919)
       607859.50   4267274.20        6.34339  (12010919)               607864.50
 4267274.20        6.48509  (12010919)
       607869.50   4267274.20        6.63513  (12010919)               607874.50
 4267274.20        6.79438  (12010919)
       607879.50   4267274.20        6.96381  (12010919)               607884.50
 4267274.20        5.24354  (12010919)
       607839.50   4267279.20        5.82817  (12010919)               607844.50
 4267279.20        5.94984  (12010919)
       607849.50   4267279.20        6.07771  (12010919)               607854.50
 4267279.20        6.21233  (12010919)
       607859.50   4267279.20        6.35431  (12010919)               607864.50
 4267279.20        6.50434  (12010919)
       607869.50   4267279.20        6.66322  (12010919)               607874.50
 4267279.20        6.83187  (12010919)
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UMAll_AERMOD_output file

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       607879.50   4267279.20        7.01133  (12010919)              607884.50
4267279.20        5.12432  (13012019)
       608194.60   4267085.20        3.12131  (13010518)              608199.60
4267085.20        3.12385  (13010518)
       608204.60   4267085.20        3.12743  (11010508)              608309.60
4267085.20        3.01041  (11122818)
       608314.60   4267085.20        3.01900  (11122818)              608184.60
4267090.20        3.15142  (13010518)
       608189.60   4267090.20        3.16170  (13010518)              608194.60
4267090.20        3.16424  (13010518)
       608199.60   4267090.20        3.16727  (11010508)              608204.60
4267090.20        3.16284  (11010508)
       608304.60   4267090.20        3.06024  (11122818)              608309.60
4267090.20        3.06521  (11122818)
       608314.60   4267090.20        3.06511  (11122818)              608319.60
4267090.20        3.06011  (11122818)
       608324.60   4267090.20        3.05043  (11122818)              608184.60
4267095.20        3.20449  (13010518)
       608189.60   4267095.20        3.20699  (13010518)              608194.60
4267095.20        3.20940  (11010508)
       608199.60   4267095.20        3.20451  (11010508)              608204.60
4267095.20        3.21809  (10011519)
       608209.60   4267095.20        3.23643  (10011519)              608304.60
4267095.20        3.11031  (11122818)
       608309.60   4267095.20        3.10638  (11122818)              608314.60
4267095.20        3.09757  (11122818)
       608319.60   4267095.20        3.08410  (11122818)              608324.60
4267095.20        3.06622  (11122818)
       608184.60   4267100.20        3.25242  (13010518)              608189.60
4267100.20        3.25411  (11010508)
       608194.60   4267100.20        3.24871  (11010508)              608199.60
4267100.20        3.26842  (10011519)
       608204.60   4267100.20        3.28539  (10011519)              608209.60
4267100.20        3.29412  (10011519)
       608214.60   4267100.20        3.29457  (10011519)              608219.60
4267100.20        3.28678  (10011519)
       608224.60   4267100.20        3.27567  (13021718)              608304.60
4267100.20        3.14632  (11122818)
       608309.60   4267100.20        3.13355  (11122818)              608314.60
4267100.20        3.11618  (11122818)
       608319.60   4267100.20        3.09448  (11122818)              608189.60
4267105.20        3.29776  (10011519)
       608194.60   4267105.20        3.32156  (10011519)              608199.60
4267105.20        3.33704  (10011519)
       608204.60   4267105.20        3.34410  (10011519)              608209.60
4267105.20        3.34270  (10011519)
       608214.60   4267105.20        3.33287  (10011519)              608219.60
4267105.20        3.32468  (13021718)
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UMAll_AERMOD_output file

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       608224.60   4267105.20        3.31996  (13021718)               608229.60
 4267105.20        3.30726  (13021718)
       608234.60   4267105.20        3.28684  (13021718)               608239.60
 4267105.20        3.25904  (13021718)
       608244.60   4267105.20        3.22427  (13021718)               608299.60
 4267105.20        3.18487  (11122818)
       608304.60   4267105.20        3.16801  (11122818)               608309.60
 4267105.20        3.14662  (11122818)
       608314.60   4267105.20        3.12102  (11122818)               608319.60
 4267105.20        3.09148  (11122818)
       608189.60   4267110.20        3.37788  (10011519)               608194.60
 4267110.20        3.39176  (10011519)
       608199.60   4267110.20        3.39701  (10011519)               608204.60
 4267110.20        3.39360  (10011519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608209.60   4267110.20        3.38159  (10011519)               608214.60
 4267110.20        3.37600  (13021718)
       608219.60   4267110.20        3.36852  (13021718)               608224.60
 4267110.20        3.35290  (13021718)
       608229.60   4267110.20        3.32944  (13021718)               608234.60
 4267110.20        3.29850  (13021718)
       608239.60   4267110.20        3.26760  (09021918)               608244.60
 4267110.20        3.24517  (09021918)
       608249.60   4267110.20        3.21637  (09021918)               608254.60
 4267110.20        3.19980  (11122818)
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UMAll_AERMOD_output file

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       608259.60   4267110.20        3.22303  (11122818)                608264.60
4267110.20        3.24015  (11122818)
       608269.60   4267110.20        3.25123  (11122818)                608274.60
4267110.20        3.25640  (11122818)
       608279.60   4267110.20        3.25583  (11122818)                608284.60
4267110.20        3.24974  (11122818)
       608289.60   4267110.20        3.23837  (11122818)                608294.60
4267110.20        3.22200  (11122818)
       608299.60   4267110.20        3.20090  (11122818)                608304.60
4267110.20        3.17540  (11122818)
       608309.60   4267110.20        3.14581  (11122818)                608314.60
4267110.20        3.11243  (11122818)
       608319.60   4267110.20        3.07558  (11122818)                608194.60
4267115.20        3.45326  (10011519)
       608199.60   4267115.20        3.44768  (10011519)                608204.60
4267115.20        3.43330  (10011519)
       608209.60   4267115.20        3.42997  (13021718)                608214.60
4267115.20        3.41951  (13021718)
       608219.60   4267115.20        3.40076  (13021718)                608224.60
4267115.20        3.37404  (13021718)
       608229.60   4267115.20        3.33976  (13021718)                608234.60
4267115.20        3.31378  (09021918)
       608239.60   4267115.20        3.28769  (09021918)                608244.60
4267115.20        3.25521  (09021918)
       608249.60   4267115.20        3.27147  (11122818)                608254.60
4267115.20        3.29043  (11122818)
       608259.60   4267115.20        3.30313  (11122818)                608264.60
4267115.20        3.30969  (11122818)
       608269.60   4267115.20        3.31028  (11122818)                608274.60
4267115.20        3.30510  (11122818)
       608279.60   4267115.20        3.29442  (11122818)                608284.60
4267115.20        3.27851  (11122818)
       608289.60   4267115.20        3.25766  (11122818)                608294.60
4267115.20        3.23222  (11122818)
       608299.60   4267115.20        3.20250  (11122818)                608304.60
4267115.20        3.16884  (11122818)
       608309.60   4267115.20        3.13156  (11122818)                608314.60
4267115.20        3.09101  (11122818)
       608204.60   4267120.20        3.48698  (13021718)                608209.60
4267120.20        3.47331  (13021718)
       608214.60   4267120.20        3.45119  (13021718)                608219.60
4267120.20        3.42097  (13021718)
       608224.60   4267120.20        3.38473  (09021918)                608229.60
4267120.20        3.36161  (09021918)
       608234.60   4267120.20        3.33162  (09021918)                608239.60
4267120.20        3.32292  (11122818)
       608244.60   4267120.20        3.34373  (11122818)                608249.60
4267120.20        3.35807  (11122818)
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UMAll_AERMOD_output file

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       608254.60   4267120.20        3.36602  (11122818)                608259.60
 4267120.20        3.36776  (11122818)
       608264.60   4267120.20        3.36350  (11122818)                608269.60
 4267120.20        3.35347  (11122818)
       608274.60   4267120.20        3.33798  (11122818)                608279.60
 4267120.20        3.31733  (11122818)
       608284.60   4267120.20        3.29187  (11122818)                608289.60
 4267120.20        3.26194  (11122818)
       608294.60   4267120.20        3.22791  (11122818)                608299.60
 4267120.20        3.19011  (11122818)
       608304.60   4267120.20        3.14891  (11122818)                608309.60
 4267120.20        3.10463  (11122818)
       608314.60   4267120.20        3.05758  (11122818)                608229.60
 4267125.20        3.37803  (11122818)
       608234.60   4267125.20        3.40071  (11122818)                608239.60
 4267125.20        3.41668  (11122818)
       608244.60   4267125.20        3.42602  (11122818)                608249.60
 4267125.20        3.42889  (11122818)
       608254.60   4267125.20        3.42549  (11122818)                608259.60
 4267125.20        3.41608  (11122818)
       608264.60   4267125.20        3.40095  (11122818)                608269.60
 4267125.20        3.38042  (11122818)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608274.60   4267125.20        3.35486  (11122818)                608279.60
 4267125.20        3.32462  (11122818)
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UMAll_AERMOD_output file

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       608284.60   4267125.20        3.29010  (11122818)                608289.60
4267125.20        3.25166  (11122818)
       608294.60   4267125.20        3.20967  (11122818)                608299.60
4267125.20        3.16450  (11122818)
       608304.60   4267125.20        3.11648  (11122818)                608309.60
4267125.20        3.06593  (11122818)
       607831.30   4267190.00        2.36506  (13103117)                607836.30
4267190.00        2.37057  (13103117)
       607841.30   4267190.00        2.37336  (13103117)                607846.30
4267190.00        2.37321  (13103117)
       607851.30   4267190.00        2.38112  (12102618)                607856.30
4267190.00        2.39303  (12102618)
       607861.30   4267190.00        2.40084  (12102618)                607866.30
4267190.00        2.40423  (12102618)
       607871.30   4267190.00        2.40286  (12102618)                607876.30
4267190.00        2.39645  (12102618)
       607881.30   4267190.00        2.38707  (09112617)                607831.30
4267195.00        2.36955  (10092918)
       607836.30   4267195.00        2.38015  (13103117)                607841.30
4267195.00        2.38893  (13103117)
       607846.30   4267195.00        2.39495  (13103117)                607851.30
4267195.00        2.39797  (13103117)
       607856.30   4267195.00        2.39773  (13103117)                607861.30
4267195.00        2.39396  (13103117)
       607866.30   4267195.00        2.39796  (12102618)                607871.30
4267195.00        2.40300  (12102618)
       607876.30   4267195.00        2.40306  (12102618)                607881.30
4267195.00        2.39781  (12102618)
       607831.30   4267200.00        2.39861  (10092918)                607836.30
4267200.00        2.40104  (10092918)
       607841.30   4267200.00        2.40121  (10092918)                607846.30
4267200.00        2.39924  (13103117)
       607851.30   4267200.00        2.40805  (13103117)                607856.30
4267200.00        2.41377  (13103117)
       607861.30   4267200.00        2.41609  (13103117)                607866.30
4267200.00        2.41468  (13103117)
       607871.30   4267200.00        2.40922  (13103117)                607876.30
4267200.00        2.39938  (13103117)
       607881.30   4267200.00        2.39241  (12102618)                607841.30
4267205.00        2.42317  (10092918)
       607846.30   4267205.00        2.42593  (10092918)                607851.30
4267205.00        2.42611  (10092918)
       607856.30   4267205.00        2.42346  (10092918)                607861.30
4267205.00        2.42002  (13103117)
       607866.30   4267205.00        2.42424  (13103117)                607871.30
4267205.00        2.42448  (13103117)
       607876.30   4267205.00        2.42035  (13103117)                607881.30
4267205.00        2.41143  (13103117)
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UMAll_AERMOD_output file

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       607841.30   4267210.00        2.42836  (10092918)                607846.30
 4267210.00        2.43565  (10092918)
       607851.30   4267210.00        2.44048  (10092918)                607856.30
 4267210.00        2.44256  (10092918)
       607861.30   4267210.00        2.44160  (10092918)                607866.30
 4267210.00        2.43726  (10092918)
       607871.30   4267210.00        2.42920  (10092918)                607876.30
 4267210.00        2.42251  (13103117)
       607881.30   4267210.00        2.41872  (13103117)                607841.30
 4267215.00        2.41820  (10092918)
       607846.30   4267215.00        2.42945  (10092918)                607851.30
 4267215.00        2.43834  (10092918)
       607856.30   4267215.00        2.44459  (10092918)                607861.30
 4267215.00        2.44787  (10092918)
       607866.30   4267215.00        2.44784  (10092918)                607871.30
 4267215.00        2.44410  (10092918)
       607876.30   4267215.00        2.43623  (10092918)                607881.30
 4267215.00        2.42378  (10092918)
       607841.30   4267220.00        2.44051  (13111119)                607846.30
 4267220.00        2.44154  (13111119)
       607851.30   4267220.00        2.44051  (13111119)                607856.30
 4267220.00        2.43716  (13111119)
       607861.30   4267220.00        2.43806  (10092918)                607866.30
 4267220.00        2.44174  (10092918)
       607871.30   4267220.00        2.44176  (10092918)                607876.30
 4267220.00        2.43765  (10092918)
       607881.30   4267220.00        2.42893  (10092918)                607841.30
 4267225.00        2.45006  (13111119)
       607846.30   4267225.00        2.45392  (13111119)                607851.30
 4267225.00        2.45571  (13111119)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607856.30	4267225.00	2.45517	(13111119)	607861.30	4267225.00	2.45199	(13111119)
607866.30	4267225.00	2.44583	(13111119)	607871.30	4267225.00	2.43630	(13111119)
607876.30	4267225.00	2.42300	(10092918)	607881.30	4267225.00	2.41745	(10092918)
607841.30	4267230.00	2.44617	(13111119)	607846.30	4267230.00	2.45257	(13111119)
607851.30	4267230.00	2.45686	(13111119)	607856.30	4267230.00	2.45877	(13111119)
607861.30	4267230.00	2.45801	(13111119)	607866.30	4267230.00	2.45421	(13111119)
607871.30	4267230.00	2.44697	(13111119)	607876.30	4267230.00	2.43585	(13111119)
607881.30	4267230.00	2.42034	(13111119)	607841.30	4267235.00	2.42985	(13111119)
607846.30	4267235.00	2.43863	(13111119)	607851.30	4267235.00	2.44522	(13111119)
607856.30	4267235.00	2.44935	(13111119)	607861.30	4267235.00	2.45073	(13111119)
607866.30	4267235.00	2.44900	(13111119)	607871.30	4267235.00	2.44374	(13111119)
607876.30	4267235.00	2.43451	(13111119)	607881.30	4267235.00	2.42078	(13111119)
607841.30	4267240.00	2.40158	(13111119)	607846.30	4267240.00	2.41272	(13111119)
607851.30	4267240.00	2.42156	(13111119)	607856.30	4267240.00	2.42783	(13111119)
607861.30	4267240.00	2.43122	(13111119)	607866.30	4267240.00	2.43138	(13111119)
607871.30	4267240.00	2.42790	(13111119)	607876.30	4267240.00	2.42033	(13111119)
607881.30	4267240.00	2.40815	(13111119)	607841.30	4267245.00	2.42537	(10092019)
607846.30	4267245.00	2.42157	(10092019)	607851.30	4267245.00	2.41583	(10092019)
607856.30	4267245.00	2.40785	(10092019)	607861.30	4267245.00	2.39989	(13111119)
607866.30	4267245.00	2.40191	(13111119)	607871.30	4267245.00	2.40014	(13111119)
607876.30	4267245.00	2.39412	(13111119)	607881.30	4267245.00	2.38336	(13111119)

UMAll_AERMOD_output file

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       607841.30   4267250.00        2.45745  (10092019)                607846.30
 4267250.00        2.45404  (10092019)
       607851.30   4267250.00        2.44854  (10092019)                607856.30
 4267250.00        2.44063  (10092019)
       607861.30   4267250.00        2.42999  (10092019)                607866.30
 4267250.00        2.41623  (10092019)
       607871.30   4267250.00        2.39895  (10092019)                607876.30
 4267250.00        2.37770  (10092019)
       607881.30   4267250.00        2.35199  (10092019)                607841.30
 4267255.00        2.48004  (10092019)
       607846.30   4267255.00        2.47723  (10092019)                607851.30
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       607856.30   4267255.00        2.46450  (10092019)                607861.30
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       607866.30   4267255.00        2.44003  (10092019)                607871.30
 4267255.00        2.42240  (10092019)
       607876.30   4267255.00        2.40059  (10092019)                607881.30
 4267255.00        2.37414  (10092019)
       607841.30   4267260.00        2.49238  (10092019)                607846.30
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       607851.30   4267260.00        2.48622  (10092019)                607856.30
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       607861.30   4267260.00        2.46891  (10092019)                607866.30
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       607871.30   4267260.00        2.43741  (10092019)                607876.30
 4267260.00        2.41526  (10092019)
       607881.30   4267260.00        2.38824  (10092019)                607841.30
 4267265.00        2.49937  (12112718)
       607846.30   4267265.00        2.49713  (12112718)                607851.30
 4267265.00        2.49231  (12112718)
       607856.30   4267265.00        2.48456  (12112718)                607861.30
 4267265.00        2.47350  (12112718)
       607866.30   4267265.00        2.46014  (10092019)                607871.30
 4267265.00        2.44266  (10092019)
       607876.30   4267265.00        2.42050  (10092019)                607881.30
 4267265.00        2.39321  (10092019)
       607841.30   4267270.00        2.49714  (12112718)                607846.30
 4267270.00        2.49627  (12112718)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        16:43:32

                                  PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607851.30	4267270.00	2.49265	(12112718)	607856.30	4267270.00	2.48591	(12112718)
607861.30	4267270.00	2.47564	(12112718)	607866.30	4267270.00	2.46141	(12112718)
607871.30	4267270.00	2.44274	(12112718)	607876.30	4267270.00	2.41918	(12112718)
607881.30	4267270.00	2.39028	(12112718)	607841.30	4267275.00	2.47823	(12112718)
607846.30	4267275.00	2.47907	(12112718)	607851.30	4267275.00	2.47703	(12112718)
607856.30	4267275.00	2.47170	(12112718)	607861.30	4267275.00	2.46264	(12112718)
607866.30	4267275.00	2.44939	(12112718)	607871.30	4267275.00	2.43147	(12112718)
607876.30	4267275.00	2.40868	(11112318)	607881.30	4267275.00	2.38092	(11112318)
607841.30	4267280.00	2.49157	(11112318)	607846.30	4267280.00	2.49221	(11112318)
607851.30	4267280.00	2.49030	(11112318)	607856.30	4267280.00	2.48539	(11112318)
607861.30	4267280.00	2.47696	(11112318)	607866.30	4267280.00	2.46445	(11112318)
608193.70	4267087.00	1.91194	(11010508)	608198.70	4267087.00	1.92104	(11010508)
608203.70	4267087.00	1.92554	(11010508)	608308.70	4267087.00	2.00360	(11122818)
608313.70	4267087.00	2.01205	(11122818)	608318.70	4267087.00	2.01684	(11122818)
608183.70	4267092.00	1.90478	(11010508)	608188.70	4267092.00	1.91852	(11010508)
608193.70	4267092.00	1.92777	(11010508)	608198.70	4267092.00	1.93243	(11010508)
608203.70	4267092.00	1.94100	(10011519)	608208.70	4267092.00	1.96108	(10011519)

UMAll_AERMOD_output file

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       608303.70   4267092.00        2.02561  (11122818)                608308.70
4267092.00        2.03161  (11122818)
       608313.70   4267092.00        2.03392  (11122818)                608318.70
4267092.00        2.03269  (11122818)
       608323.70   4267092.00        2.02803  (11122818)                608328.70
4267092.00        2.02010  (11122818)
       608183.70   4267097.00        1.92432  (11010508)                608188.70
4267097.00        1.93374  (11010508)
       608193.70   4267097.00        1.93859  (11010508)                608198.70
4267097.00        1.95231  (10011519)
       608203.70   4267097.00        1.97195  (10011519)                608208.70
4267097.00        1.98673  (10011519)
       608213.70   4267097.00        1.99654  (10011519)                608303.70
4267097.00        2.04966  (11122818)
       608308.70   4267097.00        2.04946  (11122818)                608313.70
4267097.00        2.04571  (11122818)
       608318.70   4267097.00        2.03857  (11122818)                608323.70
4267097.00        2.02821  (11122818)
       608183.70   4267102.00        1.93878  (11010508)                608188.70
4267102.00        1.94385  (11010508)
       608193.70   4267102.00        1.96275  (10011519)                608198.70
4267102.00        1.98197  (10011519)
       608203.70   4267102.00        1.99630  (10011519)                608208.70
4267102.00        2.00562  (10011519)
       608213.70   4267102.00        2.00987  (10011519)                608218.70
4267102.00        2.02204  (13021718)
       608223.70   4267102.00        2.02960  (13021718)                608303.70
4267102.00        2.06336  (11122818)
       608308.70   4267102.00        2.05708  (11122818)                608313.70
4267102.00        2.04745  (11122818)
       608318.70   4267102.00        2.03466  (11122818)                608323.70
4267102.00        2.01893  (11122818)
       608183.70   4267107.00        1.94851  (10011519)                608188.70
4267107.00        1.97212  (10011519)
       608193.70   4267107.00        1.99094  (10011519)                608198.70
4267107.00        2.00485  (10011519)
       608203.70   4267107.00        2.01373  (10011519)                608208.70
4267107.00        2.02165  (13021718)
       608213.70   4267107.00        2.03345  (13021718)                608218.70
4267107.00        2.04009  (13021718)
       608223.70   4267107.00        2.04155  (13021718)                608228.70
4267107.00        2.03786  (13021718)
       608233.70   4267107.00        2.03312  (09021918)                608238.70
4267107.00        2.03561  (09012218)
       608243.70   4267107.00        2.03799  (09012218)                608248.70
4267107.00        2.04237  (09012219)
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UMAll_AERMOD_output file
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 146
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608253.70	4267107.00	2.04278	(09012219)	608298.70	4267107.00	2.07553	(11122818)
608303.70	4267107.00	2.06671	(11122818)	608308.70	4267107.00	2.05459	(11122818)
608313.70	4267107.00	2.03940	(11122818)	608318.70	4267107.00	2.02135	(11122818)
608188.70	4267112.00	1.99865	(10011519)	608193.70	4267112.00	2.01218	(10011519)
608198.70	4267112.00	2.02065	(10011519)	608203.70	4267112.00	2.03277	(13021718)
608208.70	4267112.00	2.04374	(13021718)	608213.70	4267112.00	2.04950	(13021718)
608218.70	4267112.00	2.05003	(13021718)	608223.70	4267112.00	2.04535	(13021718)
608228.70	4267112.00	2.04595	(09021918)	608233.70	4267112.00	2.05029	(09012218)
608238.70	4267112.00	2.05396	(09012219)	608243.70	4267112.00	2.05717	(09012219)
608248.70	4267112.00	2.05560	(09012219)	608253.70	4267112.00	2.04939	(09012219)
608258.70	4267112.00	2.05957	(11122818)	608263.70	4267112.00	2.07558	(11122818)
608268.70	4267112.00	2.08737	(11122818)	608273.70	4267112.00	2.09498	(11122818)
608278.70	4267112.00	2.09850	(11122818)	608283.70	4267112.00	2.09806	(11122818)

UMAll_AERMOD_output file

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       608288.70   4267112.00        2.09379  (11122818)                608293.70
4267112.00        2.08588  (11122818)
       608298.70   4267112.00        2.07452  (11122818)                608303.70
4267112.00        2.05995  (11122818)
       608308.70   4267112.00        2.04238  (11122818)                608313.70
4267112.00        2.02205  (11122818)
       608318.70   4267112.00        1.99920  (11122818)                608193.70
4267117.00        2.02714  (13021718)
       608198.70   4267117.00        2.04251  (13021718)                608203.70
4267117.00        2.05269  (13021718)
       608208.70   4267117.00        2.05762  (13021718)                608213.70
4267117.00        2.05727  (13021718)
       608218.70   4267117.00        2.05453  (09021918)                608223.70
4267117.00        2.05999  (09012218)
       608228.70   4267117.00        2.06394  (09012218)                608233.70
4267117.00        2.06958  (09012219)
       608238.70   4267117.00        2.07086  (09012219)                608243.70
4267117.00        2.06731  (09012219)
       608248.70   4267117.00        2.06811  (11122818)                608253.70
4267117.00        2.08600  (11122818)
       608258.70   4267117.00        2.09955  (11122818)                608263.70
4267117.00        2.10881  (11122818)
       608268.70   4267117.00        2.11383  (11122818)                608273.70
4267117.00        2.11474  (11122818)
       608278.70   4267117.00        2.11166  (11122818)                608283.70
4267117.00        2.10478  (11122818)
       608288.70   4267117.00        2.09430  (11122818)                608293.70
4267117.00        2.08044  (11122818)
       608298.70   4267117.00        2.06344  (11122818)                608303.70
4267117.00        2.04354  (11122818)
       608308.70   4267117.00        2.02100  (11122818)                608313.70
4267117.00        1.99605  (11122818)
       608213.70   4267122.00        2.06659  (09012218)                608218.70
4267122.00        2.07407  (09012218)
       608223.70   4267122.00        2.07957  (09012219)                608228.70
4267122.00        2.08393  (09012219)
       608233.70   4267122.00        2.08328  (09012219)                608238.70
4267122.00        2.07776  (09012219)
       608243.70   4267122.00        2.09498  (11122818)                608248.70
4267122.00        2.11046  (11122818)
       608253.70   4267122.00        2.12152  (11122818)                608258.70
4267122.00        2.12821  (11122818)
       608263.70   4267122.00        2.13063  (11122818)                608268.70
4267122.00        2.12890  (11122818)
       608273.70   4267122.00        2.12320  (11122818)                608278.70
4267122.00        2.11373  (11122818)
       608283.70   4267122.00        2.10071  (11122818)                608288.70
4267122.00        2.08438  (11122818)
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UMAll_AERMOD_output file

608293.70 4267122.00 2.06501 (11122818) 608298.70 4267122.00 2.04285 (11122818)
608303.70 4267122.00 2.01816 (11122818) 608308.70 4267122.00 1.99121 (11122818)
608313.70 4267122.00 1.96223 (11122818) 608233.70 4267127.00 2.10209 (11122818)

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608238.70	4267127.00	2.11968	(11122818)	608243.70	4267127.00	2.13273	(11122818)
608248.70	4267127.00	2.14127	(11122818)	608253.70	4267127.00	2.14538	(11122818)
608258.70	4267127.00	2.14518	(11122818)	608263.70	4267127.00	2.14083	(11122818)
608268.70	4267127.00	2.13253	(11122818)	608273.70	4267127.00	2.12050	(11122818)
608278.70	4267127.00	2.10499	(11122818)	608283.70	4267127.00	2.08626	(11122818)
608288.70	4267127.00	2.06459	(11122818)	608293.70	4267127.00	2.04025	(11122818)
608298.70	4267127.00	2.01352	(11122818)	608303.70	4267127.00	1.98465	(11122818)
608165.70	4267052.20	1.74022	(10021319)	608170.70	4267052.20	1.74950	(10021319)
608175.70	4267052.20	1.75567	(10021319)	608180.70	4267052.20	1.75874	(10021319)

UMAll_AERMOD_output file

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       608185.70   4267052.20        1.75864  (10021319)                608190.70
4267052.20        1.75523  (10021319)
       608195.70   4267052.20        1.75957  (11010308)                608200.70
4267052.20        1.77102  (11010308)
       608205.70   4267052.20        1.78625  (13010518)                608210.70
4267052.20        1.80817  (13010518)
       608215.70   4267052.20        1.82587  (13010518)                608220.70
4267052.20        1.83928  (13010518)
       608165.70   4267057.20        1.75232  (10021319)                608170.70
4267057.20        1.75928  (10021319)
       608175.70   4267057.20        1.76319  (10021319)                608180.70
4267057.20        1.76400  (10021319)
       608185.70   4267057.20        1.76159  (10021319)                608190.70
4267057.20        1.76546  (11010308)
       608195.70   4267057.20        1.77741  (11010308)                608200.70
4267057.20        1.79372  (13010518)
       608205.70   4267057.20        1.81586  (13010518)                608210.70
4267057.20        1.83378  (13010518)
       608215.70   4267057.20        1.84741  (13010518)                608220.70
4267057.20        1.85694  (11010508)
       608165.70   4267062.20        1.76234  (10021319)                608170.70
4267062.20        1.76707  (10021319)
       608175.70   4267062.20        1.76876  (10021319)                608180.70
4267062.20        1.76732  (10021319)
       608185.70   4267062.20        1.77126  (11010308)                608190.70
4267062.20        1.78370  (11010308)
       608195.70   4267062.20        1.80103  (13010518)                608200.70
4267062.20        1.82340  (13010518)
       608205.70   4267062.20        1.84154  (13010518)                608210.70
4267062.20        1.85540  (13010518)
       608215.70   4267062.20        1.86560  (11010508)                608220.70
4267062.20        1.87672  (11010508)
       608166.50   4267047.60        1.19296  (09113008)                608171.50
4267047.60        1.20167  (09113008)
       608176.50   4267047.60        1.20814  (09113008)                608181.50
4267047.60        1.21243  (09113008)
       608186.50   4267047.60        1.21907  (13112508)                608191.50
4267047.60        1.23620  (13112508)
       608196.50   4267047.60        1.25055  (13112508)                608201.50
4267047.60        1.26213  (13112508)
       608206.50   4267047.60        1.27344  (13092519)                608211.50
4267047.60        1.28350  (13092519)
       608216.50   4267047.60        1.29318  (09112408)                608166.50
4267052.60        1.19648  (09113008)
       608171.50   4267052.60        1.20349  (09113008)                608176.50
4267052.60        1.20833  (09113008)
       608181.50   4267052.60        1.21517  (13112508)                608186.50
4267052.60        1.23261  (13112508)
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UMAll_AERMOD_output file

608191.50 4267052.60 1.24728 (13112508) 608196.50 4267052.60 1.25920 (13112508)
608201.50 4267052.60 1.27129 (13092519) 608206.50 4267052.60 1.28164 (13092519)
608211.50 4267052.60 1.29200 (09112408) 608216.50 4267052.60 1.30074 (09112408)
608166.50 4267057.60 1.19822 (09113008) 608171.50 4267057.60 1.20361 (09113008)
608176.50 4267057.60 1.21083 (13112508) 608181.50 4267057.60 1.22857 (13112508)
608186.50 4267057.60 1.24355 (13112508) 608191.50 4267057.60 1.25580 (13112508)
608196.50 4267057.60 1.26873 (13092519) 608201.50 4267057.60 1.27936 (13092519)

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608206.50	4267057.60	1.29044	(09112408)	608211.50	4267057.60	1.29941	(09112408)
608216.50	4267057.60	1.30539	(09112408)	608166.50	4267062.60	1.19822	(09113008)
608171.50	4267062.60	1.20600	(13112508)	608176.50	4267062.60	1.22403	(13112508)
608181.50	4267062.60	1.23931	(13112508)	608186.50	4267062.60	1.25197	(13092519)
608191.50	4267062.60	1.26569	(13092519)	608196.50	4267062.60	1.27661	(13092519)

UMAll_AERMOD_output file

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       608201.50   4267062.60        1.28846  (09112408)              608206.50
4267062.60        1.29766  (09112408)
       608211.50   4267062.60        1.30389  (09112408)              608216.50
4267062.60        1.30711  (09112408)
       608162.80   4267051.30        0.88401  (10111608)              608167.80
4267051.30        0.88834  (10111608)
       608172.80   4267051.30        0.89080  (10111608)              608177.80
4267051.30        0.89133  (10111608)
       608182.80   4267051.30        0.88989  (10111608)              608187.80
4267051.30        0.88641  (10111608)
       608192.80   4267051.30        0.88088  (10111608)              608197.80
4267051.30        0.87326  (10111608)
       608202.80   4267051.30        0.86359  (10111608)              608207.80
4267051.30        0.85970  (09112408)
       608212.80   4267051.30        0.86886  (09112408)              608217.80
4267051.30        0.87607  (09112408)
       608162.80   4267056.30        0.89087  (10111608)              608167.80
4267056.30        0.89401  (10111608)
       608172.80   4267056.30        0.89526  (10111608)              608177.80
4267056.30        0.89455  (10111608)
       608182.80   4267056.30        0.89182  (10111608)              608187.80
4267056.30        0.88703  (10111608)
       608192.80   4267056.30        0.88014  (10111608)              608197.80
4267056.30        0.87116  (10111608)
       608202.80   4267056.30        0.86011  (10111608)              608207.80
4267056.30        0.85932  (09112408)
       608212.80   4267056.30        0.86666  (09112408)              608217.80
4267056.30        0.87208  (09112408)
       608162.80   4267061.30        0.89664  (10111608)              608167.80
4267061.30        0.89859  (10111608)
       608172.80   4267061.30        0.89861  (10111608)              608177.80
4267061.30        0.89664  (10111608)
       608182.80   4267061.30        0.89260  (10111608)              608187.80
4267061.30        0.88647  (10111608)
       608192.80   4267061.30        0.87822  (10111608)              608197.80
4267061.30        0.86786  (10111608)
       608202.80   4267061.30        0.85545  (10111608)              608207.80
4267061.30        0.85656  (09112408)
       608212.80   4267061.30        0.86215  (09112408)              608217.80
4267061.30        0.86582  (09112408)
       608255.80   4267195.00        3.67118  (11122818)              608275.80
4267195.00        3.22421  (11122818)
       608295.80   4267195.00        2.95206  (11122519)              608315.80
4267195.00        2.81147  (11122519)
       608335.80   4267195.00        2.66987  (11122519)              608355.80
4267195.00        2.52834  (11122519)
       608255.80   4267215.00        3.55589  (11122519)              608275.80
4267215.00        3.33699  (11122519)
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UMAll_AERMOD_output file

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       608295.80   4267215.00        3.12422  (11122519)               608315.80
 4267215.00        2.91781  (11122519)
       608335.80   4267215.00        2.75166  (10122718)               608355.80
 4267215.00        2.59222  (10122718)
       608255.80   4267235.00        3.71158  (10122718)               608275.80
 4267235.00        3.45146  (10122718)
       608295.80   4267235.00        3.20610  (10122718)               608315.80
 4267235.00        2.99542  (12120920)
       608335.80   4267235.00        2.81395  (12120920)               608355.80
 4267235.00        2.64530  (12120920)
       608255.80   4267255.00        3.84389  (12120920)               608275.80
 4267255.00        3.55215  (12120920)
       608295.80   4267255.00        3.28589  (12120920)               608315.80
 4267255.00        3.04591  (09010608)
       608335.80   4267255.00        2.85019  (09010608)               608355.80
 4267255.00        2.67309  (09010608)
       608275.80   4267275.00        3.65822  (09010608)               608295.80
 4267275.00        3.37888  (09010608)
       608315.80   4267275.00        3.13125  (09010608)               608335.80
 4267275.00        2.91111  (09010608)
       608355.80   4267275.00        2.71474  (09010608)               608275.80
 4267295.00        3.65068  (12121108)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608295.80   4267295.00        3.34712  (12121108)               608315.80
 4267295.00        3.07966  (12121108)
```

UMAll_AERMOD_output file

```
       608335.80   4267295.00        2.84291  (12121108)                608355.80
4267295.00        2.63238  (12121108)
       608275.80   4267315.00        3.70043  (12012519)                608295.80
4267315.00        3.40904  (12012519)
       608315.80   4267315.00        3.15175  (12121108)                608335.80
4267315.00        2.93297  (12121108)
       608355.80   4267315.00        2.73579  (12121108)                608275.80
4267335.00        3.54114  (09120817)
       608295.80   4267335.00        3.28365  (12122920)                608315.80
4267335.00        3.07520  (12122920)
       608335.80   4267335.00        2.88020  (12122920)                608355.80
4267335.00        2.69839  (12122920)
       608275.80   4267355.00        3.51548  (09120419)                608295.80
4267355.00        3.27136  (09120419)
       608315.80   4267355.00        3.02465  (09120419)                608335.80
4267355.00        2.78285  (09120419)
       608355.80   4267355.00        2.57246  (09120817)                608175.80
4267375.00        3.56238  (10030620)
       608195.80   4267375.00        3.64570  (10030620)                608215.80
4267375.00        3.63064  (10030620)
       608235.80   4267375.00        3.52283  (10030620)                608255.80
4267375.00        3.34070  (10030620)
       608275.80   4267375.00        3.16549  (09120419)                608295.80
4267375.00        3.05581  (09120419)
       608315.80   4267375.00        2.91945  (09120419)                608335.80
4267375.00        2.76565  (09120419)
       608355.80   4267375.00        2.60202  (09120419)                608175.80
4267395.00        2.75280  (12020520)
       608195.80   4267395.00        2.85626  (10030418)                608215.80
4267395.00        2.96686  (10030620)
       608235.80   4267395.00        3.01751  (10030620)                608255.80
4267395.00        2.99765  (10030620)
       608275.80   4267395.00        2.91424  (10030620)                608295.80
4267395.00        2.78008  (10030620)
       608315.80   4267395.00        2.60989  (10030620)                608335.80
4267395.00        2.53586  (09120419)
       608355.80   4267395.00        2.45685  (09120419)                607875.80
4267415.00        4.51230  (12123119)
       607895.80   4267415.00        4.43018  (10020319)                607915.80
4267415.00        4.36032  (13120919)
       607935.80   4267415.00        4.26105  (10012719)                607955.80
4267415.00        4.15055  (11012518)
       607975.80   4267415.00        4.05160  (10122318)                607995.80
4267415.00        3.95816  (13021620)
       608015.80   4267415.00        3.89058  (12120219)                608035.80
4267415.00        3.87097  (13012018)
       608175.80   4267415.00        2.47776  (12020520)                608195.80
4267415.00        2.36400  (12020520)
```

UMAll_AERMOD_output file

```
       608215.80   4267415.00        2.32283  (10030418)                608235.80
 4267415.00        2.44654  (10030418)
       608255.80   4267415.00        2.51891  (10030418)                608275.80
 4267415.00        2.54861  (10030620)
       608295.80   4267415.00        2.52938  (10030620)                608315.80
 4267415.00        2.46465  (10030620)
       608335.80   4267415.00        2.36334  (10030620)                608355.80
 4267415.00        2.23517  (10030620)
       607855.80   4267435.00        4.23853  (12123119)                607875.80
 4267435.00        4.19021  (10020319)
       607895.80   4267435.00        4.16914  (13120919)                607915.80
 4267435.00        4.10450  (10012719)
       607935.80   4267435.00        4.01828  (11012518)                607955.80
 4267435.00        3.95067  (10122318)
       607975.80   4267435.00        3.85562  (13021620)                607995.80
 4267435.00        3.81706  (11120818)
       608015.80   4267435.00        3.76973  (13012018)                608035.80
 4267435.00        3.75907  (13012018)
       608055.80   4267435.00        3.71258  (13012018)                608095.80
 4267435.00        3.28050  (13012018)
       608115.80   4267435.00        2.82364  (13012018)                608135.80
 4267435.00        2.30057  (11121819)
       608155.80   4267435.00        2.27729  (13011019)                608175.80
 4267435.00        2.23520  (09011020)
       608195.80   4267435.00        2.17247  (12020520)                608215.80
 4267435.00        2.05833  (12020520)
       608235.80   4267435.00        1.96349  (10112919)                608255.80
 4267435.00        2.03506  (10030418)
       608275.80   4267435.00        2.12624  (10030418)                608295.80
 4267435.00        2.17528  (10030418)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608315.80	4267435.00	2.18995	(10030620)	608335.80	4267435.00	2.17267	(10030620)
608355.80	4267435.00	2.12172	(10030620)	607855.80	4267455.00	3.95285	(10020319)
607875.80	4267455.00	3.95614	(13120919)	607895.80	4267455.00	3.93196	(13120919)
607915.80	4267455.00	3.87412	(12122919)	607935.80	4267455.00	3.82060	(10122318)
607955.80	4267455.00	3.75162	(09011118)	607975.80	4267455.00	3.70623	(13021620)
607995.80	4267455.00	3.66474	(12120219)	608015.80	4267455.00	3.64101	(13012018)
608035.80	4267455.00	3.63243	(13012018)	608055.80	4267455.00	3.57795	(13012018)
608075.80	4267455.00	3.43205	(13012018)	608095.80	4267455.00	3.14628	(13012018)
608115.80	4267455.00	2.70278	(13012018)	608135.80	4267455.00	2.10410	(13012018)
608155.80	4267455.00	2.06491	(13011019)	608175.80	4267455.00	2.02627	(13011019)
608195.80	4267455.00	1.98748	(09011020)	608215.80	4267455.00	1.92302	(12020520)
608235.80	4267455.00	1.81349	(12020520)	608255.80	4267455.00	1.73821	(10112919)
608275.80	4267455.00	1.70353	(10030418)	608295.80	4267455.00	1.80231	(10030418)
608315.80	4267455.00	1.86947	(10030418)	608335.80	4267455.00	1.90283	(10030418)
608355.80	4267455.00	1.90855	(10030620)	607835.80	4267475.00	3.72626	(10020319)
607855.80	4267475.00	3.73031	(13120919)	607875.80	4267475.00	3.75448	(13120919)
607895.80	4267475.00	3.71837	(12122919)	607915.80	4267475.00	3.66991	(10122318)
607935.80	4267475.00	3.62998	(09011118)	607955.80	4267475.00	3.56923	(13021620)
607975.80	4267475.00	3.55769	(11120818)	607995.80	4267475.00	3.52369	(12120219)
608015.80	4267475.00	3.50900	(13012018)	608035.80	4267475.00	3.50126	(13012018)
608055.80	4267475.00	3.44046	(13012018)	608075.80	4267475.00	3.29034	(13012018)

UMAll_AERMOD_output file

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       608095.80   4267475.00        3.00984  (13012018)                608115.80
 4267475.00        2.58044  (13012018)
       608135.80   4267475.00        2.01088  (13012018)                608155.80
 4267475.00        1.89499  (11121819)
       608175.80   4267475.00        1.86767  (13011019)                608195.80
 4267475.00        1.81548  (09011020)
       608215.80   4267475.00        1.77721  (09011020)                608235.80
 4267475.00        1.71655  (12020520)
       608255.80   4267475.00        1.61398  (12020520)                608275.80
 4267475.00        1.55467  (10112919)
       608295.80   4267475.00        1.48072  (09111618)                608315.80
 4267475.00        1.53366  (10030418)
       608335.80   4267475.00        1.60986  (10030418)                608355.80
 4267475.00        1.65972  (10030418)
       607815.80   4267495.00        3.51359  (10020319)                607835.80
 4267495.00        3.49869  (13120919)
       607855.80   4267495.00        3.57117  (13120919)                607875.80
 4267495.00        3.54951  (12122919)
       607895.80   4267495.00        3.52289  (11012518)                607915.80
 4267495.00        3.50210  (10122318)
       607935.80   4267495.00        3.45084  (09011118)                607955.80
 4267495.00        3.43000  (13021620)
       607975.80   4267495.00        3.41185  (11120818)                607995.80
 4267495.00        3.38336  (12120219)
       608015.80   4267495.00        3.37871  (13012018)                608035.80
 4267495.00        3.37108  (13012018)
       608055.80   4267495.00        3.30529  (13012018)                608075.80
 4267495.00        3.15204  (13012018)
       608095.80   4267495.00        2.87641  (13012018)                608115.80
 4267495.00        2.46153  (13012018)
       608135.80   4267495.00        1.92093  (13012018)                608155.80
 4267495.00        1.74276  (13012020)
       608175.80   4267495.00        1.71796  (11121819)                608195.80
 4267495.00        1.68891  (13011019)
       608215.80   4267495.00        1.64592  (09011020)                608235.80
 4267495.00        1.59769  (09011020)
       608255.80   4267495.00        1.54370  (12020520)                608275.80
 4267495.00        1.44892  (12020520)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 151
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608295.80	4267495.00	1.40238	(10112919)	608315.80	4267495.00	1.33681	(09111618)
608335.80	4267495.00	1.30977	(10030418)	608355.80	4267495.00	1.38922	(10030418)
607815.80	4267515.00	3.29036	(09010617)	607835.80	4267515.00	3.38384	(13120919)
607855.80	4267515.00	3.38559	(10012719)	607875.80	4267515.00	3.37046	(12122919)
607895.80	4267515.00	3.35752	(10122318)	607915.80	4267515.00	3.33496	(09011118)
607935.80	4267515.00	3.27514	(13021620)	607955.80	4267515.00	3.29131	(13021620)
607975.80	4267515.00	3.26940	(09012918)	607995.80	4267515.00	3.24936	(13013008)
608015.80	4267515.00	3.25268	(13012018)	608035.80	4267515.00	3.24476	(13012018)
608055.80	4267515.00	3.17503	(13012018)	608075.80	4267515.00	3.01952	(13012018)
608095.80	4267515.00	2.74867	(13012018)	608115.80	4267515.00	2.34846	(13012018)
608135.80	4267515.00	1.83600	(13012018)	608155.80	4267515.00	1.62215	(13012020)
608175.80	4267515.00	1.59923	(11121819)	608195.80	4267515.00	1.57116	(13011019)
608215.80	4267515.00	1.52749	(13122119)	608235.80	4267515.00	1.49763	(09011020)
608255.80	4267515.00	1.45078	(12020520)	608275.80	4267515.00	1.39750	(12020520)
608295.80	4267515.00	1.31053	(12020520)	608315.80	4267515.00	1.27408	(10112919)
608335.80	4267515.00	1.21887	(10112919)	608355.80	4267515.00	1.17102	(09111618)
607915.80	4267535.00	3.17671	(09011118)	607935.80	4267535.00	3.15771	(13021620)

UMAll_AERMOD_output file

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       607955.80   4267535.00        3.16265  (11120818)                607975.80
4267535.00        3.14399  (12120219)
       607995.80   4267535.00        3.12931  (13013008)                608015.80
4267535.00        3.13209  (13012018)
       608035.80   4267535.00        3.12370  (13012018)                608055.80
4267535.00        3.05084  (13012018)
       608075.80   4267535.00        2.89382  (13012018)                608095.80
4267535.00        2.62784  (13012018)
       608115.80   4267535.00        2.24226  (13012018)                608135.80
4267535.00        1.75670  (13012018)
       608155.80   4267535.00        1.51362  (13010119)                608195.80
4267535.00        1.46363  (11121819)
       608215.80   4267535.00        1.43884  (13011019)                608235.80
4267535.00        1.38772  (09011020)
       608255.80   4267535.00        1.36750  (09011020)                608275.80
4267535.00        1.32458  (12020520)
       608295.80   4267535.00        1.27268  (12020520)                608315.80
4267535.00        1.19313  (12020520)
       608335.80   4267535.00        1.16463  (10112919)                608355.80
4267535.00        1.11875  (10112919)
       608055.80   4267555.00        2.93313  (13012018)                608075.80
4267555.00        2.77525  (13012018)
       608095.80   4267555.00        2.51435  (13012018)                608115.80
4267555.00        2.14319  (13012018)
       608135.80   4267555.00        1.68308  (13012018)                608155.80
4267555.00        1.41100  (13010119)
       608195.80   4267555.00        1.37424  (11121819)                608215.80
4267555.00        1.34613  (13011019)
       608235.80   4267555.00        1.31708  (13011019)                608255.80
4267555.00        1.27965  (09011020)
       608275.80   4267555.00        1.25300  (09011020)                608295.80
4267555.00        1.21498  (12020520)
       608315.80   4267555.00        1.16519  (12020520)                608335.80
4267555.00        1.09252  (12020520)
       608355.80   4267555.00        1.07025  (10112919)                608195.80
4267575.00        1.28496  (11121819)
       608215.80   4267575.00        1.26778  (11121819)                608235.80
4267575.00        1.24554  (13011019)
       608255.80   4267575.00        1.20704  (13122119)                608275.80
4267575.00        1.18283  (09011020)
       608295.80   4267575.00        1.15195  (09011020)                608315.80
4267575.00        1.11919  (12020520)
       608335.80   4267575.00        1.07191  (12020520)                608355.80
4267575.00        1.00548  (12020520)
       608195.80   4267595.00        1.21718  (13012020)                608215.80
4267595.00        1.19784  (11121819)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***       06/18/19
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UMAll_AERMOD_output file
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

PAGE 152
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608235.80	4267595.00	1.16957	(13011019)	608255.80	4267595.00	1.15165	(13011019)
608275.80	4267595.00	1.10962	(13122119)	608295.80	4267595.00	1.09594	(09011020)
608315.80	4267595.00	1.06249	(09011020)	608335.80	4267595.00	1.03501	(12020520)
608355.80	4267595.00	0.99038	(12020520)	608195.80	4267615.00	1.15244	(13010119)
608215.80	4267615.00	1.12656	(11121819)	608235.80	4267615.00	1.11268	(11121819)
608255.80	4267615.00	1.09157	(13011019)	608275.80	4267615.00	1.06457	(13011019)
608295.80	4267615.00	1.03126	(09011020)	608315.80	4267615.00	1.01784	(09011020)
608335.80	4267615.00	0.98556	(12020520)	608355.80	4267615.00	0.96062	(12020520)
608195.80	4267635.00	1.09147	(13010119)	608215.80	4267635.00	1.07294	(13012020)
608235.80	4267635.00	1.05631	(11121819)	608255.80	4267635.00	1.03060	(11121819)
608275.80	4267635.00	1.01785	(13011019)	608295.80	4267635.00	0.98601	(13122119)
608315.80	4267635.00	0.96440	(09011020)	608335.80	4267635.00	0.94752	(09011020)
608355.80	4267635.00	0.91925	(12020520)	607686.90	4267200.90	4.72924	(12120917)

UMAll_AERMOD_output file

```
       607706.90   4267200.90        4.86859  (12120917)              607726.90
4267200.90        5.03739  (10013119)
       607746.90   4267200.90        5.19013  (10013119)              607766.90
4267200.90        5.32376  (13010718)
       607786.90   4267200.90        5.47134  (13010718)              607686.90
4267220.90        4.60020  (12120917)
       607706.90   4267220.90        4.82573  (12120917)              607726.90
4267220.90        5.03888  (12120917)
       607746.90   4267220.90        5.23480  (12120917)              607766.90
4267220.90        5.40840  (12120917)
       607786.90   4267220.90        5.55422  (12120917)              607806.90
4267220.90        5.67666  (10013119)
       607686.90   4267240.90        4.77715  (12010919)              607706.90
4267240.90        4.91579  (12010919)
       607726.90   4267240.90        5.05068  (12010919)              607746.90
4267240.90        5.17929  (12010919)
       607766.90   4267240.90        5.29834  (12010919)              607786.90
4267240.90        5.41821  (09012017)
       607806.90   4267240.90        5.61639  (12120917)              607686.90
4267260.90        4.84756  (12010919)
       607706.90   4267260.90        5.02825  (12010919)              607726.90
4267260.90        5.20801  (12010919)
       607746.90   4267260.90        5.38338  (12010919)              607766.90
4267260.90        5.54967  (12010919)
       607786.90   4267260.90        5.70055  (12010919)              607806.90
4267260.90        5.82765  (12010919)
       607686.90   4267280.90        4.65599  (10012418)              607706.90
4267280.90        4.82908  (10012418)
       607726.90   4267280.90        5.00495  (10012418)              607746.90
4267280.90        5.18107  (10012418)
       607766.90   4267280.90        5.35369  (10012418)              607786.90
4267280.90        5.51725  (10012418)
       607806.90   4267280.90        5.66361  (10012418)              607686.90
4267300.90        4.69712  (13012019)
       607706.90   4267300.90        4.90332  (13012019)              607726.90
4267300.90        5.10943  (13012019)
       607746.90   4267300.90        5.31199  (13012019)              607766.90
4267300.90        5.50626  (13012019)
       607786.90   4267300.90        5.68565  (13012019)              607706.90
4267320.90        5.02550  (13012019)
       607726.90   4267320.90        5.18183  (13012019)              607746.90
4267320.90        5.32952  (13012019)
       607766.90   4267320.90        5.49649  (13010719)              607786.90
4267320.90        5.67824  (13010719)
       607746.90   4267340.90        5.25947  (13010719)              607766.90
4267340.90        5.35747  (13010719)
       607666.90   4267380.90        4.45201  (13121219)              607686.90
4267380.90        4.64316  (13121219)
```

UMAll_AERMOD_output file

```
       607706.90   4267380.90        4.79542  (13121219)                607726.90
 4267380.90        4.91346  (12012820)
       607746.90   4267380.90        5.04230  (12012820)                607766.90
 4267380.90        5.11652  (12011318)
       607786.90   4267380.90        5.26088  (12011318)                607666.90
 4267400.90        4.39770  (12012820)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        16:43:32

                                  PAGE 153
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607686.90   4267400.90        4.53453  (12012820)                607706.90
 4267400.90        4.61731  (12012820)
       607726.90   4267400.90        4.76099  (12011318)                607746.90
 4267400.90        4.88990  (12011318)
       607766.90   4267400.90        4.98803  (10122319)                607786.90
 4267400.90        5.07293  (09011608)
       607806.90   4267400.90        5.06189  (09011608)                607826.90
 4267400.90        4.91844  (09011608)
       607666.90   4267420.90        4.23284  (12011318)                607686.90
 4267420.90        4.40970  (12011318)
       607706.90   4267420.90        4.51753  (12011318)                607726.90
 4267420.90        4.63301  (13010118)
       607746.90   4267420.90        4.73493  (09011608)                607766.90
 4267420.90        4.76531  (09011608)
       607786.90   4267420.90        4.67826  (09011608)                607806.90
 4267420.90        4.48198  (09011608)
       607826.90   4267420.90        4.38355  (12120318)                607686.90
 4267440.90        4.29091  (13010118)
```

UMAll_AERMOD_output file

```
       607706.90   4267440.90        4.39618  (09011608)              607726.90
4267440.90        4.45173  (09011608)
       607746.90   4267440.90        4.40514  (09011608)              607766.90
4267440.90        4.25890  (09011608)
       607786.90   4267440.90        4.02486  (09011608)              607806.90
4267440.90        4.06033  (12120318)
       607726.90   4267460.90        4.02165  (09011608)              607746.90
4267460.90        3.83281  (09011608)
       607766.90   4267460.90        3.71965  (12120318)              607786.90
4267460.90        3.76041  (12120318)
       607806.90   4267460.90        3.87062  (12010608)              607786.90
4267480.90        3.62263  (12010608)
       607885.30   4266901.70        3.57182  (11122708)              607905.30
4266901.70        3.54921  (11122708)
       607925.30   4266901.70        3.52824  (11120418)              607945.30
4266901.70        3.50473  (09120819)
       607985.30   4266901.70        3.45321  (13122308)              607885.30
4266921.70        3.60842  (11122708)
       607905.30   4266921.70        3.62052  (11122708)              607925.30
4266921.70        3.57868  (11120418)
       607945.30   4266921.70        3.55907  (09120819)              607985.30
4266921.70        3.49149  (13122308)
       607885.30   4266941.70        3.62831  (11122708)              607905.30
4266941.70        3.67384  (11122708)
       607925.30   4266941.70        3.63263  (11122708)              607945.30
4266941.70        3.60262  (09120819)
       607965.30   4266941.70        3.56461  (13121719)              607985.30
4266941.70        3.52717  (13011119)
       607725.30   4266961.70        4.00961  (09020919)              607745.30
4266961.70        3.90782  (12121217)
       607765.30   4266961.70        3.92574  (12121217)              607785.30
4266961.70        3.80996  (12121217)
       607805.30   4266961.70        3.56682  (12121217)              607825.30
4266961.70        3.64465  (11021008)
       607845.30   4266961.70        3.80289  (11021008)              607865.30
4266961.70        3.83891  (11021008)
       607885.30   4266961.70        3.76808  (11021008)              607905.30
4266961.70        3.70947  (11122708)
       607925.30   4266961.70        3.70071  (11122708)              607945.30
4266961.70        3.64940  (11120418)
       607965.30   4266961.70        3.61231  (09120819)              607985.30
4266961.70        3.56849  (13010218)
       607725.30   4266981.70        4.18859  (09020919)              607745.30
4266981.70        4.13852  (09020919)
       607765.30   4266981.70        4.02514  (12121217)              607785.30
4266981.70        4.02809  (12121217)
       607805.30   4266981.70        3.89277  (12121217)              607825.30
4266981.70        3.62690  (12121217)
```

UMAll_AERMOD_output file

```
       607845.30   4266981.70        3.78905  (11021008)               607865.30
 4266981.70        3.88668  (11021008)
       607945.30   4266981.70        3.69279  (11122708)               607965.30
 4266981.70        3.65066  (09120819)
       607725.30   4267001.70        4.29869  (13013118)               607745.30
 4267001.70        4.30882  (09020919)
       607765.30   4267001.70        4.26532  (09020919)               607785.30
 4267001.70        4.13768  (12121217)
       607805.30   4267001.70        4.12408  (12121217)               607825.30
 4267001.70        3.96860  (12121217)
       607845.30   4267001.70        3.73013  (11021008)               607865.30
 4267001.70        3.89529  (11021008)
       607945.30   4267001.70        3.74974  (11122708)               607965.30
 4267001.70        3.68318  (11120418)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 154
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607725.30   4267021.70        4.30294  (13013118)               607745.30
 4267021.70        4.42330  (13013118)
       607765.30   4267021.70        4.42355  (09020919)               607785.30
 4267021.70        4.38691  (09020919)
       607805.30   4267021.70        4.24198  (12121217)               607825.30
 4267021.70        4.21035  (12121217)
       607845.30   4267021.70        4.03456  (12121217)               607865.30
 4267021.70        3.86114  (11021008)
       607725.30   4267041.70        4.37953  (12120317)               607745.30
 4267041.70        4.39232  (13013118)
```

```
       607765.30   4267041.70        4.53787  (13013118)              607785.30
4267041.70        4.53274  (13013118)
       607805.30   4267041.70        4.49902  (09020919)              607825.30
4267041.70        4.33333  (12121217)
       607845.30   4267041.70        4.28249  (12121217)              607865.30
4267041.70        4.08696  (12121217)
       607725.30   4267061.70        4.50736  (13011717)              607745.30
4267061.70        4.53813  (12120317)
       607765.30   4267061.70        4.54705  (11042119)              607785.30
4267061.70        4.63701  (13013118)
       607805.30   4267061.70        4.65186  (13013118)              607825.30
4267061.70        4.59569  (09020919)
       607845.30   4267061.70        4.41056  (09020919)              607865.30
4267061.70        4.33480  (12121217)
       607725.30   4267081.70        4.69811  (13011717)              607745.30
4267081.70        4.73273  (13011717)
       607765.30   4267081.70        4.66895  (12120317)              607785.30
4267081.70        4.72565  (11042119)
       607805.30   4267081.70        4.71344  (13013118)              607825.30
4267081.70        4.74809  (13013118)
       607845.30   4267081.70        4.66881  (09020919)              607865.30
4267081.70        4.48674  (09020919)
       607725.30   4267101.70        4.56961  (13011717)              607745.30
4267101.70        4.79452  (13011717)
       607765.30   4267101.70        4.90543  (13011717)              607785.30
4267101.70        4.87950  (13011717)
       607805.30   4267101.70        4.87606  (11042119)              607825.30
4267101.70        4.88015  (11042119)
       607845.30   4267101.70        4.81036  (13013118)              607865.30
4267101.70        4.70729  (09020919)
       607725.30   4267121.70        4.54073  (13010208)              608160.20
4266951.30        2.88062  (11010519)
       608180.20   4266951.30        2.84334  (11010519)              608200.20
4266951.30        2.86187  (13122619)
       608260.20   4266951.30        2.80506  (10021319)              608280.20
4266951.30        2.73436  (10021319)
       608300.20   4266951.30        2.57751  (10021319)              608320.20
4266951.30        2.61068  (13010518)
       608160.20   4266971.30        2.99660  (11010519)              608180.20
4266971.30        2.98824  (13122619)
       608200.20   4266971.30        2.98591  (09120908)              608365.80
4266905.80        2.32407  (13010518)
       608395.80   4266905.80        2.31777  (11010508)              608425.80
4266905.80        2.23317  (10011519)
       608455.80   4266905.80        2.21709  (10011519)              608485.80
4266905.80        2.14039  (13021718)
       608365.80   4266935.80        2.49983  (11010508)              608395.80
4266935.80        2.42360  (10011519)
```

UMAll_AERMOD_output file

```
       608425.80   4266935.80        2.38524  (10011519)               608455.80
 4266935.80        2.29979  (13021718)
       608485.80   4266935.80        2.15190  (13021718)               608365.80
 4266965.80        2.63858  (10011519)
       608395.80   4266965.80        2.57156  (10011519)               608425.80
 4266965.80        2.47211  (13021718)
       608455.80   4266965.80        2.28362  (09012218)               608485.80
 4266965.80        2.19353  (09012219)
       608365.80   4266995.80        2.78982  (13021718)               608395.80
 4266995.80        2.65772  (13021718)
       608425.80   4266995.80        2.47467  (09012219)               608455.80
 4266995.80        2.43518  (11122818)
       608485.80   4266995.80        2.40882  (11122818)               608365.80
 4267025.80        2.85660  (13021718)
       608395.80   4267025.80        2.70228  (11122818)               608425.80
 4267025.80        2.70636  (11122818)
       608455.80   4267025.80        2.60918  (11122818)               608485.80
 4267025.80        2.43152  (11122818)
       608365.80   4267055.80        3.05514  (11122818)               608395.80
 4267055.80        2.97419  (11122818)
       608425.80   4267055.80        2.78893  (11122818)               608455.80
 4267055.80        2.52881  (11122818)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        16:43:32

                                    PAGE 155
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608485.80   4267055.80        2.22300  (11122818)               608365.80
 4267085.80        3.22273  (11122818)
```

UMAll_AERMOD_output file
608395.80 4267085.80 2.93411 (11122818) 608425.80
4267085.80 2.58405 (11122818)
608455.80 4267085.80 2.20521 (11122818) 608485.80
4267085.80 1.82638 (11122818)
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 16:43:32

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER 5 YEARS ***

** CONC OF PM25 IN MICROGRAMS/M**3
**

GROUP ID		NETWORK AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.14161	AT (607975.00, 4267360.20, 0.00, 0.00, 5.40)	DC	
	2ND HIGHEST VALUE IS	0.14066	AT (607984.50, 4267363.70, 0.00, 0.00, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.13946	AT (607970.00, 4267360.20, 0.00, 0.00, 5.40)	DC	
	4TH HIGHEST VALUE IS	0.13920	AT (607979.50, 4267363.70, 0.00, 0.00, 1.80)	DC	
	5TH HIGHEST VALUE IS	0.13758	AT (607974.50, 4267363.70, 0.00, 0.00, 1.80)	DC	
	6TH HIGHEST VALUE IS	0.13657	AT (607990.00, 4267365.20, 0.00, 0.00, 5.40)	DC	
	7TH HIGHEST VALUE IS	0.13579	AT (607969.50, 4267363.70, 0.00, 0.00, 1.80)	DC	
	8TH HIGHEST VALUE IS	0.13561	AT (608060.70, 4267366.30, 0.00, 0.00, 1.80)	DC	
	9TH HIGHEST VALUE IS	0.13512	AT (607985.00, 4267365.20, 0.00, 0.00, 5.40)	DC	
	10TH HIGHEST VALUE IS	0.13496	AT (608014.50, 4267368.70, 0.00, 0.00, 1.80)	DC	

```
                                UMAll_AERMOD_output file
 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 157
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                  *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                     ** CONC OF PM25     IN MICROGRAMS/M**3
               **

                                                        DATE
                                          NETWORK
GROUP ID                            AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       7.04884  ON 12010919: AT (  607884.50,
4267269.20,     0.00,     0.00,    5.40)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        16:43:32

                                    PAGE 158
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            5 Warning Message(s)
```

UMAll_AERMOD_output file

```
A Total of         9582 Informational Message(s)

A Total of        43872 Hours Were Processed

A Total of         7971 Calm Hours Identified

A Total of         1611 Missing Hours Identified (  3.67 Percent)


   ******** FATAL ERROR MESSAGES ********
             ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W276      10       POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
 PM25 H1H
CO W363      12       COCARD: Multiyr 24h/Ann PM25 processing not applicable for
 PM25 H1H
OU W565    7290       OUPLOT: Possible Conflict With Dynamically Allocated FUNIT
 PLOTFILE
OU W565    7291       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
 PLOTFILE
MX W481   43873         MAIN: Data Remaining After End of Year. Number of Hours=
       48

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
```

University Commons
AERMOD
Mitigated Outputs

University Commons AERMOD
Mitigated

AERMOD Model Options

Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	University Commons
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	C:\Users\jbyrne\Desktop\DAVISM~1\724839\724839.SFC
ME	PROFFILE	Profile met file	C:\Users\jbyrne\Desktop\DAVISM~1\724839\724839.PFL
ME	SURFDATA	Surf met data info.	93225 2009 SMF
ME	UAIRDATA	U-Air met data info.	23230 2009
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	0
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU	DAYTABLE	Print summary opt.	

Source Parameter Tables

All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height
			East (m)	North (m)	(m)			(m)
Q1QWU00A	VOLUME	Construction	607963.7	4267238.3	0	0.000089009	(g/s)	5
Q1QWU00B	VOLUME	Construction	608027.3	4267238.3	0	0.000089009	(g/s)	5
Q1QWU00C	VOLUME	Construction	608090.9	4267238.3	0	0.000089009	(g/s)	5
Q1QWU00D	VOLUME	Construction	607940.7	4267301.5	0	0.000089009	(g/s)	5
Q1QWU00E	VOLUME	Construction	608004.3	4267301.5	0	0.000089009	(g/s)	5
Q1QWU00F	VOLUME	Construction	608067.9	4267301.5	0	0.000089009	(g/s)	5
Q1QWU00G	VOLUME	Construction	608131.6	4267301.5	0	0.000089009	(g/s)	5

Volume Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	Init. Lat. Dim.	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s)	(m)	(m)	(m)
Q1QWU00A	Construction	607963.7	4267238.3	0	0.000089009	5	29.59	1
Q1QWU00B	Construction	608027.3	4267238.3	0	0.000089009	5	29.59	1
Q1QWU00C	Construction	608090.9	4267238.3	0	0.000089009	5	29.59	1
Q1QWU00D	Construction	607940.7	4267301.5	0	0.000089009	5	29.59	1
Q1QWU00E	Construction	608004.3	4267301.5	0	0.000089009	5	29.59	1
Q1QWU00F	Construction	608067.9	4267301.5	0	0.000089009	5	29.59	1
Q1QWU00G	Construction	608131.6	4267301.5	0	0.000089009	5	29.59	1

University Commons AERMOD
Mitigated

BREEZE AERMOD Model Results

Max. Annual (5 YEARS) Results of Pollutant: PM25 (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
			East (m)	North (m)	(m)	(m)	(m)		
ALL	1ST	0.01102	607975.00	4267360.20	0.00	0.00	5.40	DC	
	2ND	0.01094	607984.50	4267363.70	0.00	0.00	1.80	DC	
	3RD	0.01085	607970.00	4267360.20	0.00	0.00	5.40	DC	
	4TH	0.01083	607979.50	4267363.70	0.00	0.00	1.80	DC	
	5TH	0.01070	607974.50	4267363.70	0.00	0.00	1.80	DC	
	6TH	0.01063	607990.00	4267365.20	0.00	0.00	5.40	DC	
	7TH	0.01057	607969.50	4267363.70	0.00	0.00	1.80	DC	
	8TH	0.01055	608060.70	4267366.30	0.00	0.00	1.80	DC	
	9TH	0.01051	607985.00	4267365.20	0.00	0.00	5.40	DC	
	10TH	0.01050	608014.50	4267368.70	0.00	0.00	1.80	DC	

Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)	(m)	(m)	(m)		
1-HR	ALL	1ST	Avg. Conc.	0.54847	ug/m**3	12010919	607884.50	4267269.20	0.00	0.00	5.40	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
5	Warning Message(s)
9582	Informational Message(s)
43872	Hours Were Processed
7971	Calm Hours Identified
1611	Missing Hours Identified (3.67 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	W276	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H
WARNING	CO	W363	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H
WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

University Commons AERMOD
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WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
WARNING	MX	W481	Data Remaining After End of Year. Number of Hours= 48

www.breeze-software.com

UMAll_AERMOD_Mitigated_Input file

```
** BREEZE AERMOD
** Trinity Consultants
** VERSION  8.1

CO STARTING
CO TITLEONE  University Commons
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  1  ANNUAL
CO POLLUTID  PM25 H1H
CO FLAGPOLE  1.8
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  Q1QWU00A  VOLUME    607963.7  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00B  VOLUME    608027.3  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00C  VOLUME    608090.9  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00D  VOLUME    607940.7  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00E  VOLUME    608004.3  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00F  VOLUME    608067.9  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00G  VOLUME    608131.6  4267301.5  0
** SRCDESCR  Construction
SO SRCPARAM  Q1QWU00A  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00B  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00C  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00D  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00E  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00F  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00G  0.000089009  5  29.59  1
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
```

UMAll_AERMOD_Mitigated_Input file

```
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE DISCCART  607904.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267343.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267353.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267358.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267363.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267368.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267373.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267378.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267383.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267388.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267393.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608135.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267341.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267351.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267356.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267361.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267366.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267376.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267381.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267386.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267391.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267396.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267406.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267411.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267416.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267421.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267193.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267203.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267218.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267228.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267243.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267258.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267268.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267310.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267310.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267310.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267325.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267335.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267345.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267355.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267375.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267245.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267255.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267270.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267290.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267310.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267320.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267330.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267340.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608257.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608257.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267350.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267056.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267066.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267071.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267081.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267091.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267096.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267106.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267090.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608179.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608179.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267100.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267105.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267110.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267115.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267120.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267125.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267130.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608160.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267052.1  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267062.1  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608136.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267345.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267350.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267360.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267365.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267370.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267375.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267385.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267390.6  0  0  5.4
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UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267395.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267400.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267410.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267415.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267345.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267350.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267355.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267365.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267370.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267375.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267380.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267385.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267385.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267390.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267395.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267063.1  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267068.1  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267078.1  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267088.1  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267093.1  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267103.1  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267306.3  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267321.3  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267331.3  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267346.3  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267356.3  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267371.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267371.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267189.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267199.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267209.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267224.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267234.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267249.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267259.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267269.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267085.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608324.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608324.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267100.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267105.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267110.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267115.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267120.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267125.2  0  0  5.4
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607831.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607831.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607831.3  4267200.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267210.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267225.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267235.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267250.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267265.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267275.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267092.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608328.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267102.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267112.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267112.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267117.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267122.0  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608205.7  4267052.2  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608205.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608205.7  4267062.2  0  0  9
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608166.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267052.6  0  0  10.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608162.8  4267051.3  0  0  12.6
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608162.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608162.8  4267061.3  0  0  12.6
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608255.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267235.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267315.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267395.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267415.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267435.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267455.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267475.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607815.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267495.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607815.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267515.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267535.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267555.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267595.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267200.9  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267280.9  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267340.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267340.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267380.9  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607826.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607826.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267440.9  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267480.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4266961.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267001.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267041.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267101.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267121.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608160.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608180.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608200.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608260.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608280.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608300.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608320.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608160.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608180.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608200.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266965.8  0  0  1.8
```

UMAll_AERMOD_Mitigated_Input file

```
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE FINISHED
```

UMAll_AERMOD_Mitigated_Input file

```
ME STARTING
ME SURFFILE  "C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.SFC"
** SURFFILE  "C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.SFC"
ME PROFFILE  "C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.PFL"
** PROFFILE  "C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.PFL"
ME SURFDATA  93225 2009 SMF
ME UAIRDATA  23230 2009
ME PROFBASE  0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  1  FIRST
OU FILEFORM  FIX
OU PLOTFILE  1  ALL  FIRST  ALL`1`FIRST.plt  10000
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10001
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone10",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROI
D["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["Greenwich",0],U
NIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAM
ETER["Zone",10],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  10
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
```

```
                         UMAll_AERMOD_Mitigated_Input file
** TEMPLATE REGULATORY,0
** AERMODEXE  AERMOD_EPA_18081_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE
```

UMAll_AERMOD_Mitigated_Output file

```
** BREEZE AERMOD
** Trinity Consultants
** VERSION  8.1

CO STARTING
CO TITLEONE  University Commons
CO MODELOPT  DFAULT  CONC  NODRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  1  ANNUAL
CO POLLUTID  PM25 H1H
CO FLAGPOLE  1.8
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  Q1QWU00A  VOLUME    607963.7  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00B  VOLUME    608027.3  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00C  VOLUME    608090.9  4267238.3  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00D  VOLUME    607940.7  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00E  VOLUME    608004.3  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00F  VOLUME    608067.9  4267301.5  0
** SRCDESCR  Construction
SO LOCATION  Q1QWU00G  VOLUME    608131.6  4267301.5  0
** SRCDESCR  Construction
SO SRCPARAM  Q1QWU00A  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00B  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00C  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00D  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00E  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00F  0.000089009  5  29.59  1
SO SRCPARAM  Q1QWU00G  0.000089009  5  29.59  1
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00A  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00B  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
```

UMAll_AERMOD_Mitigated_Output file

```
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00C  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00D  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00E  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00F  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
1  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1
0  0  0  0  0  0  0  0
SO EMISFACT  Q1QWU00G  HRDOW  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1  0  0
0  0
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE DISCCART  607904.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267338.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267343.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267343.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267348.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267353.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267353.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267358.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267358.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267363.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267363.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267368.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267368.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267373.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267373.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267378.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267378.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267383.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267383.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267388.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267388.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607889.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607894.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607899.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607904.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607909.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607914.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607919.5  4267393.7  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptors
RE DISCCART  607924.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607929.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607934.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607939.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607944.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607949.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607954.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607959.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607964.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607969.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607974.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607979.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607984.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607989.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607994.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  607999.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608004.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608009.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608014.5  4267393.7  0  0  1.8
** RCPDESCR  Receptors
RE DISCCART  608135.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267336.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267341.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267341.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267346.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267351.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267351.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267356.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267356.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267361.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267361.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267366.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267366.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267371.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267376.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267376.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267381.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267381.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267386.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267386.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267391.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267391.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267396.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267396.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267401.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267406.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267406.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267411.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267411.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267416.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267416.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608055.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608060.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608065.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608070.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608075.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608080.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608085.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608090.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608095.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608100.7  4267421.3  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608105.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608110.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608115.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608120.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608125.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608130.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608135.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608140.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608145.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608150.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608155.7  4267421.3  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267188.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267193.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267193.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607829.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607834.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267198.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267203.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267203.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267208.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267213.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267218.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267218.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267223.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267228.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267228.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267233.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267238.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267243.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267243.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267248.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267253.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267258.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267258.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267263.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267268.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267268.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267273.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607839.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607844.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607849.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607854.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607859.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607864.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607869.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607874.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607879.9  4267278.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267305.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267310.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267310.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267310.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607878.8  4267315.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267320.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267325.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267325.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607873.8  4267330.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267335.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267335.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607868.8  4267340.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267345.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267345.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607813.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267350.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607818.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607823.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267355.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607863.8  4267355.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607828.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267360.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607833.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607838.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607858.8  4267365.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607843.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607848.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267370.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607853.8  4267375.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267245.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267245.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267250.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267255.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267255.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267260.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267265.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267270.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267270.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267275.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267280.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267285.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267290.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267290.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267295.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267300.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267305.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267310.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267310.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267315.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267320.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267320.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267325.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267330.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267330.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267335.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267340.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608257.7  4267340.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608247.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608252.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608257.7  4267345.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267350.0  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608222.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608227.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608232.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608237.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608242.7  4267350.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608192.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608197.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608202.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608207.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608212.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608217.7  4267355.0  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267056.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267056.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267061.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267066.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267066.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267071.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267071.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267076.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267081.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267081.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267086.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267091.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267091.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267096.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267096.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267101.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607915.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607920.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607925.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607930.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607935.3  4267106.4  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  607940.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607945.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607950.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607955.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607960.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607965.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607970.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607975.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607980.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  607985.3  4267106.4  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267085.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267090.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267090.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608179.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267095.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608179.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267100.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608324.8  4267100.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267105.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267105.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608184.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267110.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608319.8  4267110.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267115.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267115.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608189.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608194.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608199.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267120.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267120.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608204.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608209.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608214.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608219.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267125.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608314.8  4267125.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608224.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608229.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608234.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608239.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608244.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608249.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608254.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608259.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608264.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608269.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608274.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608279.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608284.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608289.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608294.8  4267130.2  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608299.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608304.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608309.8  4267130.2  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608160.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267047.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267052.1  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267052.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267057.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608165.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608170.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608175.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608180.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608185.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608190.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608195.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267062.1  0  0  1.8
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267062.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608200.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608205.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608210.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608215.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608220.0  4267067.1  0  0  1.8
** RCPDESCR  Receptor
RE DISCCART  608136.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267335.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267340.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267345.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267345.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267350.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267350.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267355.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267360.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267360.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267365.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267365.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267370.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267370.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267375.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267375.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267380.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267385.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267385.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267390.6  0  0  5.4
```

UMAll_AERMOD_Mitigated_Output file

```
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267390.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor

RE DISCCART  608091.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608116.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267395.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608136.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267400.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267405.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608056.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608126.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608131.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608136.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608141.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267410.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608076.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608096.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608101.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608106.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608111.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608116.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608121.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608146.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608151.2  4267415.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608056.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608061.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608066.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608071.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608076.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608081.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608086.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608091.2  4267420.6  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267340.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607905.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267345.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607995.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267350.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608010.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267355.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267360.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607900.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267365.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607920.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267370.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607915.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267375.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607905.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267380.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

```
RE DISCCART  607895.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

```
RE DISCCART  608015.0  4267385.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607995.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608005.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267390.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607890.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607895.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607900.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607905.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607910.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607915.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607920.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607925.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607930.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607935.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607940.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607945.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607950.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607955.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607960.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607965.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607970.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607975.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607980.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607985.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607990.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

```
RE DISCCART  607995.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608000.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608005.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608010.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608015.0  4267395.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267058.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607937.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267063.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607982.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267068.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267073.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

```
RE DISCCART  607952.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267078.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267083.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607922.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267088.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607967.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267093.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267098.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607937.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607977.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607982.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607987.7  4267103.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607917.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607922.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607927.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607932.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607937.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607942.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607947.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607952.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607957.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607962.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607967.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607972.7  4267108.1  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607874.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.8  4267306.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267311.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267316.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

```
RE DISCCART  607869.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267321.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.8  4267326.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607869.8  4267331.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.8  4267336.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267341.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607819.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.8  4267346.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607814.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267351.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607819.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607824.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607839.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267356.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.8  4267361.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267366.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.8  4267371.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.8  4267371.3  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607859.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267189.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267194.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607829.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607834.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607859.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267199.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267204.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607879.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267209.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267214.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267219.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607849.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267224.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267229.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607869.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267234.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267239.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267244.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607839.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267249.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267249.2  0  0  5.4
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** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267254.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

```
RE DISCCART  607859.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267259.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267264.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607879.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267269.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267274.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
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** RCPDESCR  2nd Floor Receptor
RE DISCCART  607839.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607844.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607849.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607854.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607859.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607864.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607869.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607874.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607879.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607884.5  4267279.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608204.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267085.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608324.6  4267090.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608184.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608324.6  4267095.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608184.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267100.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608244.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267105.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608189.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

```
RE DISCCART  608279.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608319.6  4267110.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608194.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608199.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608269.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267115.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608204.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608209.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608214.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608219.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608224.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608274.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608304.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608314.6  4267120.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608229.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608234.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608239.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608244.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608249.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608254.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608259.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608264.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608269.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608274.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608279.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608284.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608289.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608294.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608299.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608304.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  608309.6  4267125.2  0  0  5.4
** RCPDESCR  2nd Floor Receptor
RE DISCCART  607831.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267190.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607831.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267195.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607831.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607836.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267200.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267205.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607861.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267210.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267215.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267220.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607846.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267225.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267230.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607876.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267235.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267240.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267245.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607861.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267250.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267255.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267260.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607846.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267265.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607876.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267270.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607871.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607876.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607881.3  4267275.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607841.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607846.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607851.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607856.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607861.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  607866.3  4267280.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267087.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608323.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608328.7  4267092.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267097.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608308.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608323.7  4267102.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608183.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608188.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267107.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608188.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608308.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608318.7  4267112.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608193.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608198.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608203.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608208.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

```
RE DISCCART  608298.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608313.7  4267117.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608213.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608218.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608223.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608228.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608308.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
```

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RE DISCCART  608313.7  4267122.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608233.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608238.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608243.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608248.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608253.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608258.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608263.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608268.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608273.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608278.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608283.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608288.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608293.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608298.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608303.7  4267127.0  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
```

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RE DISCCART  608205.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267052.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608205.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267057.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608165.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608170.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608175.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608180.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608185.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608190.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608195.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608200.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
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UMAll_AERMOD_Mitigated_Output file

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RE DISCCART  608205.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608210.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608215.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608220.7  4267062.2  0  0  9
** RCPDESCR  3rd Floor Receptor
RE DISCCART  608166.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267047.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
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RE DISCCART  608211.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267052.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267057.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608166.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608171.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608176.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608181.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608186.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608191.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608196.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608201.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608206.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608211.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
RE DISCCART  608216.5  4267062.6  0  0  10.8
** RCPDESCR  4th Floor Receptor
```

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RE DISCCART  608162.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267051.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608162.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267056.3  0  0  12.6
** RCPDESCR  5th floor Receptor
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UMAll_AERMOD_Mitigated_Output file

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RE DISCCART  608162.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608167.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608172.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608177.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608182.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608187.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608192.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608197.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608202.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608207.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608212.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608217.8  4267061.3  0  0  12.6
** RCPDESCR  5th floor Receptor
RE DISCCART  608255.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267195.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267215.0  0  0  1.8
** RCPDESCR  Distant Receptor
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UMAll_AERMOD_Mitigated_Output file

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RE DISCCART  608255.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267235.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267255.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267275.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267295.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
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UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608315.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267315.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267335.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267355.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267375.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608195.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267395.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

```
RE DISCCART  608295.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267415.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

```
RE DISCCART  608275.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267435.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608235.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267455.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608175.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267475.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607815.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

```
RE DISCCART  608095.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267495.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607815.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607835.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607855.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607875.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607895.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608015.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608035.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608175.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267515.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607915.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607935.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607955.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607975.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607995.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608015.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608035.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267535.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608055.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608075.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608095.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608115.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608135.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608155.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608235.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267555.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267575.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608355.8  4267595.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267615.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608195.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608215.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608235.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608255.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608275.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608295.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608315.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608335.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608355.8  4267635.0  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607786.9  4267200.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267220.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267240.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267260.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607726.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267280.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267300.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267320.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267340.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267340.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607786.9  4267380.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607826.9  4267400.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607666.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607826.9  4267420.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607686.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607706.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607786.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267440.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607726.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607746.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607766.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607806.9  4267460.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607786.9  4267480.9  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266901.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266921.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266941.7  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607725.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607885.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607905.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607925.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607985.3  4266961.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4266981.7  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  607725.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607945.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607965.3  4267001.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267021.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
```

```
RE DISCCART  607845.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267041.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267061.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607845.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267081.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607745.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607765.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607785.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607805.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607825.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
```

```
RE DISCCART  607845.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607865.3  4267101.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  607725.3  4267121.7  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608160.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608180.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608200.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608260.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608280.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608300.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608320.2  4266951.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608160.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608180.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608200.2  4266971.3  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266905.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266935.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE DISCCART  608395.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266965.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4266995.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267025.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267055.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608365.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608395.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608425.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608455.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
RE DISCCART  608485.8  4267085.8  0  0  1.8
** RCPDESCR  Distant Receptor
```

UMAll_AERMOD_Mitigated_Output file

```
RE FINISHED

ME STARTING
ME SURFFILE  "C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.SFC"
** SURFFILE  "C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.SFC"
ME PROFFILE  "C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.PFL"
** PROFFILE  "C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.PFL"
ME SURFDATA  93225 2009 SMF
ME UAIRDATA  23230 2009
ME PROFBASE  0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  1  FIRST
OU FILEFORM  FIX
OU PLOTFILE  1  ALL  FIRST  ALL`1`FIRST.plt  10000
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10001
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 CO W276      10       POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
  PM25 H1H
 CO W363      12       COCARD: Multiyr 24h/Ann PM25 processing not applicable for
  PM25 H1H
 OU W565    7290       OUPLOT: Possible Conflict With Dynamically Allocated FUNIT
  PLOTFILE
 OU W565    7291       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
  PLOTFILE

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION  18081 ***   ***  University Commons
```

```
                          UMAll_AERMOD_Mitigated_Output file
                            ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                           ***        18:29:53

                                     PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                              ***     MODEL SETUP OPTIONS SUMMARY
  ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM25

 **NOTE: Special processing requirements applicable for the 24-hour PM2.5 NAAQS
have been disabled!!!
        High ranked 24-hour values are NOT averaged across the number of years
modeled, and
        complete years of data are NOT required.

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates ANNUAL Averages

 **This Run Includes:      7 Source(s);       1 Source Group(s); and    3606
Receptor(s)
```

UMAll_AERMOD_Mitigated_Output file

```
               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:      7 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  14134

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing
Hours
                                                                 b for Both Calm
and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     0.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.9 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
Q1QWU00A	0	0.89009E-04	607963.7	4267238.3	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00B	0	0.89009E-04	608027.3	4267238.3	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00C	0	0.89009E-04	608090.9	4267238.3	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00D	0	0.89009E-04	607940.7	4267301.5	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00E	0	0.89009E-04	608004.3	4267301.5	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00F	0	0.89009E-04	608067.9	4267301.5	0.0	5.00	29.59	1.00	NO	HRDOW
Q1QWU00G	0	0.89009E-04	608131.6	4267301.5	0.0	5.00	29.59	1.00	NO	HRDOW

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

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UMAll_AERMOD_Mitigated_Output file

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = Q1QWU00A ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.1000E+01	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.1000E+01	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = Q1QWU00B ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

UMAll_AERMOD_Mitigated_Output file

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  18081 ***   ***  University Commons
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = Q1QWU00C     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

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9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = Q1QWU00D ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

UMAll_AERMOD_Mitigated_Output file
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = Q1QWU00E ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

UMAll_AERMOD_Mitigated_Output file

```
 SOURCE ID = Q1QWU00F     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = Q1QWU00G     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
```

UMAll_AERMOD_Mitigated_Output file

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .1000E+01 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607904.5, 4267338.7, 0.0, 0.0, 1.8); (607909.5, 4267338.7, 0.0, 0.0, 1.8);
(607914.5, 4267338.7, 0.0, 0.0, 1.8); (607919.5, 4267338.7, 0.0, 0.0, 1.8);
(607904.5, 4267343.7, 0.0, 0.0, 1.8); (607909.5, 4267343.7, 0.0, 0.0, 1.8);
(607914.5, 4267343.7, 0.0, 0.0, 1.8); (607919.5, 4267343.7, 0.0, 0.0, 1.8);
(607939.5, 4267343.7, 0.0, 0.0, 1.8); (607944.5, 4267343.7, 0.0, 0.0, 1.8);
(607904.5, 4267348.7, 0.0, 0.0, 1.8); (607909.5, 4267348.7, 0.0, 0.0, 1.8);
(607914.5, 4267348.7, 0.0, 0.0, 1.8); (607934.5, 4267348.7, 0.0, 0.0, 1.8);
(607939.5, 4267348.7, 0.0, 0.0, 1.8); (607944.5, 4267348.7, 0.0, 0.0, 1.8);
(607949.5, 4267348.7, 0.0, 0.0, 1.8); (607954.5, 4267348.7, 0.0, 0.0, 1.8);
(607959.5, 4267348.7, 0.0, 0.0, 1.8); (607964.5, 4267348.7, 0.0, 0.0, 1.8);
(607969.5, 4267348.7, 0.0, 0.0, 1.8); (607974.5,

UMAll_AERMOD_Mitigated_Output file

```
4267348.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267348.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267348.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267348.7,       0.0,       0.0,       1.8);         ( 607994.5,
4267348.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267348.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267348.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267348.7,       0.0,       0.0,       1.8);         ( 608014.5,
4267348.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607934.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607939.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607944.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607949.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607954.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607959.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607964.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607969.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267353.7,       0.0,       0.0,       1.8);         ( 608009.5,
4267353.7,       0.0,       0.0,       1.8);
     ( 608014.5, 4267353.7,       0.0,       0.0,       1.8);         ( 607899.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607904.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607909.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607934.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607939.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607944.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607949.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607954.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607959.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607964.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607969.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267358.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267358.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267358.7,       0.0,       0.0,       1.8);         ( 608009.5,
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UMAll_AERMOD_Mitigated_Output file

4267358.7, 0.0, 0.0, 1.8);
(608014.5, 4267358.7, 0.0, 0.0, 1.8); (607899.5,
4267363.7, 0.0, 0.0, 1.8);
(607904.5, 4267363.7, 0.0, 0.0, 1.8); (607909.5,
4267363.7, 0.0, 0.0, 1.8);
(607934.5, 4267363.7, 0.0, 0.0, 1.8); (607939.5,
4267363.7, 0.0, 0.0, 1.8);
(607944.5, 4267363.7, 0.0, 0.0, 1.8); (607949.5,
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(607954.5, 4267363.7, 0.0, 0.0, 1.8); (607959.5,
4267363.7, 0.0, 0.0, 1.8);
(607964.5, 4267363.7, 0.0, 0.0, 1.8); (607969.5,
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(607974.5, 4267363.7, 0.0, 0.0, 1.8); (607979.5,
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(607984.5, 4267363.7, 0.0, 0.0, 1.8); (607989.5,
4267363.7, 0.0, 0.0, 1.8);
(607994.5, 4267363.7, 0.0, 0.0, 1.8); (607999.5,
4267363.7, 0.0, 0.0, 1.8);
(608004.5, 4267363.7, 0.0, 0.0, 1.8); (608009.5,
4267363.7, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608014.5, 4267363.7, 0.0, 0.0, 1.8); (607899.5,
4267368.7, 0.0, 0.0, 1.8);
(607904.5, 4267368.7, 0.0, 0.0, 1.8); (607909.5,
4267368.7, 0.0, 0.0, 1.8);
(607914.5, 4267368.7, 0.0, 0.0, 1.8); (607919.5,
4267368.7, 0.0, 0.0, 1.8);
(607924.5, 4267368.7, 0.0, 0.0, 1.8); (607929.5,
4267368.7, 0.0, 0.0, 1.8);
(607934.5, 4267368.7, 0.0, 0.0, 1.8); (607939.5,
4267368.7, 0.0, 0.0, 1.8);
(607944.5, 4267368.7, 0.0, 0.0, 1.8); (607949.5,
4267368.7, 0.0, 0.0, 1.8);
(607954.5, 4267368.7, 0.0, 0.0, 1.8); (607959.5,
4267368.7, 0.0, 0.0, 1.8);
(607964.5, 4267368.7, 0.0, 0.0, 1.8); (607969.5,

UMAll_AERMOD_Mitigated_Output file

```
4267368.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267368.7,       0.0,       0.0,       1.8);         ( 608009.5,
4267368.7,       0.0,       0.0,       1.8);
     ( 608014.5, 4267368.7,       0.0,       0.0,       1.8);         ( 607899.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607904.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607909.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607914.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607919.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607924.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607929.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607934.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607939.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607944.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607949.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607954.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607959.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607964.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607969.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607974.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607979.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607984.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607989.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 607994.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607999.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 608004.5, 4267373.7,       0.0,       0.0,       1.8);         ( 608009.5,
4267373.7,       0.0,       0.0,       1.8);
     ( 608014.5, 4267373.7,       0.0,       0.0,       1.8);         ( 607894.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607919.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607924.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607929.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607934.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607939.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607944.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607949.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607954.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607959.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607964.5,
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UMAll_AERMOD_Mitigated_Output file

```
4267378.7,       0.0,       0.0,       1.8);
     ( 607969.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607974.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267378.7,       0.0,       0.0,       1.8);         ( 607994.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267378.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267378.7,       0.0,       0.0,       1.8);         ( 608014.5,
4267378.7,       0.0,       0.0,       1.8);
     ( 607889.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607894.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607919.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607924.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607929.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607934.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607939.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607944.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607949.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607954.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607959.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607964.5,
4267383.7,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       18:29:53

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607969.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607974.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267383.7,       0.0,       0.0,       1.8);         ( 607994.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267383.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267383.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267383.7,       0.0,       0.0,       1.8);         ( 608014.5,
```

UMAll_AERMOD_Mitigated_Output file

```
4267383.7,       0.0,       0.0,       1.8);
     ( 607889.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607894.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607899.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607919.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607924.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607929.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607934.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607939.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607944.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607949.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607954.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607959.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607964.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607969.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607974.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267388.7,       0.0,       0.0,       1.8);         ( 607994.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 607999.5, 4267388.7,       0.0,       0.0,       1.8);         ( 608004.5,
4267388.7,       0.0,       0.0,       1.8);
     ( 608009.5, 4267388.7,       0.0,       0.0,       1.8);         ( 608014.5,
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     ( 607889.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607894.5,
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     ( 607899.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607904.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607909.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607914.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607919.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607924.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607929.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607934.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607939.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607944.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607949.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607954.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607959.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607964.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607969.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607974.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607979.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607984.5,
4267393.7,       0.0,       0.0,       1.8);
     ( 607989.5, 4267393.7,       0.0,       0.0,       1.8);         ( 607994.5,
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UMAll_AERMOD_Mitigated_Output file

4267393.7, 0.0, 0.0, 1.8);
(607999.5, 4267393.7, 0.0, 0.0, 1.8); (608004.5,
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4267346.3, 0.0, 0.0, 1.8);
(608090.7, 4267346.3, 0.0, 0.0, 1.8); (608095.7,
4267346.3, 0.0, 0.0, 1.8);
(608100.7, 4267346.3, 0.0, 0.0, 1.8); (608105.7,
4267346.3, 0.0, 0.0, 1.8);
(608110.7, 4267346.3, 0.0, 0.0, 1.8); (608115.7,
4267346.3, 0.0, 0.0, 1.8);
(608120.7, 4267346.3, 0.0, 0.0, 1.8); (608125.7,
4267346.3, 0.0, 0.0, 1.8);
(608130.7, 4267346.3, 0.0, 0.0, 1.8); (608135.7,
4267346.3, 0.0, 0.0, 1.8);
(608140.7, 4267346.3, 0.0, 0.0, 1.8); (608145.7,
4267346.3, 0.0, 0.0, 1.8);
(608150.7, 4267346.3, 0.0, 0.0, 1.8); (608060.7,
4267351.3, 0.0, 0.0, 1.8);
(608065.7, 4267351.3, 0.0, 0.0, 1.8); (608070.7,
4267351.3, 0.0, 0.0, 1.8);
(608075.7, 4267351.3, 0.0, 0.0, 1.8); (608080.7,
4267351.3, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 14
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608085.7, 4267351.3, 0.0, 0.0, 1.8); (608090.7,
4267351.3, 0.0, 0.0, 1.8);
(608095.7, 4267351.3, 0.0, 0.0, 1.8); (608100.7,

UMAll_AERMOD_Mitigated_Output file

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     ( 608105.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267351.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267351.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267356.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267356.3,       0.0,       0.0,       1.8);         ( 608060.7,
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4267361.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608140.7,
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UMAll_AERMOD_Mitigated_Output file

```
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     ( 608145.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267361.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267361.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267366.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267366.3,       0.0,       0.0,       1.8);         ( 608060.7,
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     ( 608065.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267371.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267371.3,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
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 *** AERMET - VERSION  14134 ***   ***
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                                  PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
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UMAll_AERMOD_Mitigated_Output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 608135.7, 4267371.3,       0.0,       0.0,       1.8);        ( 608140.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267371.3,       0.0,       0.0,       1.8);        ( 608150.7,
4267371.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267371.3,       0.0,       0.0,       1.8);        ( 608060.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608070.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608080.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608090.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608100.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608110.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608120.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608130.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608140.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608150.7,
4267376.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267376.3,       0.0,       0.0,       1.8);        ( 608060.7,
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     ( 608065.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608070.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608080.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608090.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608100.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608110.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608120.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608130.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608140.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608150.7,
4267381.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267381.3,       0.0,       0.0,       1.8);        ( 608060.7,
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4267386.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608080.7,
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     ( 608085.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267386.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267386.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608150.7,
4267391.3,       0.0,       0.0,       1.8);
     ( 608155.7, 4267391.3,       0.0,       0.0,       1.8);         ( 608060.7,
4267396.3,       0.0,       0.0,       1.8);
     ( 608065.7, 4267396.3,       0.0,       0.0,       1.8);         ( 608070.7,
4267396.3,       0.0,       0.0,       1.8);
     ( 608075.7, 4267396.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267396.3,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_Mitigated_Output file
*** 18:29:53

PAGE 16
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608085.7, 4267396.3, 0.0, 0.0, 1.8); (608090.7, 4267396.3, 0.0, 0.0, 1.8);
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(608105.7, 4267396.3, 0.0, 0.0, 1.8); (608110.7, 4267396.3, 0.0, 0.0, 1.8);
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(608145.7, 4267396.3, 0.0, 0.0, 1.8); (608150.7, 4267396.3, 0.0, 0.0, 1.8);
(608155.7, 4267396.3, 0.0, 0.0, 1.8); (608055.7, 4267401.3, 0.0, 0.0, 1.8);
(608060.7, 4267401.3, 0.0, 0.0, 1.8); (608065.7, 4267401.3, 0.0, 0.0, 1.8);
(608070.7, 4267401.3, 0.0, 0.0, 1.8); (608075.7, 4267401.3, 0.0, 0.0, 1.8);
(608080.7, 4267401.3, 0.0, 0.0, 1.8); (608085.7, 4267401.3, 0.0, 0.0, 1.8);
(608090.7, 4267401.3, 0.0, 0.0, 1.8); (608095.7, 4267401.3, 0.0, 0.0, 1.8);
(608100.7, 4267401.3, 0.0, 0.0, 1.8); (608105.7, 4267401.3, 0.0, 0.0, 1.8);
(608110.7, 4267401.3, 0.0, 0.0, 1.8); (608115.7, 4267401.3, 0.0, 0.0, 1.8);
(608120.7, 4267401.3, 0.0, 0.0, 1.8); (608125.7, 4267401.3, 0.0, 0.0, 1.8);
(608130.7, 4267401.3, 0.0, 0.0, 1.8); (608135.7, 4267401.3, 0.0, 0.0, 1.8);
(608140.7, 4267401.3, 0.0, 0.0, 1.8); (608145.7, 4267401.3, 0.0, 0.0, 1.8);
(608150.7, 4267401.3, 0.0, 0.0, 1.8); (608155.7, 4267401.3, 0.0, 0.0, 1.8);
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(608065.7, 4267406.3, 0.0, 0.0, 1.8); (608070.7,

UMAll_AERMOD_Mitigated_Output file

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     ( 608075.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608080.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608085.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608100.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608105.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608110.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608115.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608120.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608125.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608130.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608135.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608140.7,
4267406.3,       0.0,       0.0,       1.8);
     ( 608145.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608150.7,
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     ( 608155.7, 4267406.3,       0.0,       0.0,       1.8);         ( 608055.7,
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     ( 608060.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608065.7,
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     ( 608070.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608075.7,
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     ( 608090.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608095.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608100.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608105.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608110.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608115.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608120.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608125.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608130.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608135.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608140.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608145.7,
4267411.3,       0.0,       0.0,       1.8);
     ( 608150.7, 4267411.3,       0.0,       0.0,       1.8);         ( 608155.7,
4267411.3,       0.0,       0.0,       1.8);
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     ( 608085.7, 4267416.3,       0.0,       0.0,       1.8);         ( 608090.7,
4267416.3,       0.0,       0.0,       1.8);
     ( 608095.7, 4267416.3,       0.0,       0.0,       1.8);         ( 608100.7,
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UMAll_AERMOD_Mitigated_Output file
4267416.3, 0.0, 0.0, 1.8);
(608105.7, 4267416.3, 0.0, 0.0, 1.8); (608110.7,
4267416.3, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 17
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608115.7, 4267416.3, 0.0, 0.0, 1.8); (608120.7,
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(608125.7, 4267416.3, 0.0, 0.0, 1.8); (608130.7,
4267416.3, 0.0, 0.0, 1.8);
(608135.7, 4267416.3, 0.0, 0.0, 1.8); (608140.7,
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(608145.7, 4267416.3, 0.0, 0.0, 1.8); (608150.7,
4267416.3, 0.0, 0.0, 1.8);
(608155.7, 4267416.3, 0.0, 0.0, 1.8); (608055.7,
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(608060.7, 4267421.3, 0.0, 0.0, 1.8); (608065.7,
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(608070.7, 4267421.3, 0.0, 0.0, 1.8); (608075.7,
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(608080.7, 4267421.3, 0.0, 0.0, 1.8); (608085.7,
4267421.3, 0.0, 0.0, 1.8);
(608090.7, 4267421.3, 0.0, 0.0, 1.8); (608095.7,
4267421.3, 0.0, 0.0, 1.8);
(608100.7, 4267421.3, 0.0, 0.0, 1.8); (608105.7,
4267421.3, 0.0, 0.0, 1.8);
(608110.7, 4267421.3, 0.0, 0.0, 1.8); (608115.7,
4267421.3, 0.0, 0.0, 1.8);
(608120.7, 4267421.3, 0.0, 0.0, 1.8); (608125.7,
4267421.3, 0.0, 0.0, 1.8);
(608130.7, 4267421.3, 0.0, 0.0, 1.8); (608135.7,
4267421.3, 0.0, 0.0, 1.8);
(608140.7, 4267421.3, 0.0, 0.0, 1.8); (608145.7,
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(608150.7, 4267421.3, 0.0, 0.0, 1.8); (608155.7,
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4267188.0, 0.0, 0.0, 1.8);
(607839.9, 4267188.0, 0.0, 0.0, 1.8); (607844.9,

UMAll_AERMOD_Mitigated_Output file

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     ( 607849.9, 4267188.0,       0.0,       0.0,       1.8);         ( 607854.9,
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     ( 607859.9, 4267188.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267188.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267188.0,       0.0,       0.0,       1.8);         ( 607874.9,
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     ( 607879.9, 4267188.0,       0.0,       0.0,       1.8);         ( 607829.9,
4267193.0,       0.0,       0.0,       1.8);
     ( 607834.9, 4267193.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267193.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267193.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267193.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267193.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267193.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267193.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267193.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267193.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267193.0,       0.0,       0.0,       1.8);
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     ( 607839.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267198.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267198.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267198.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267198.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267198.0,       0.0,       0.0,       1.8);         ( 607839.9,
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     ( 607844.9, 4267203.0,       0.0,       0.0,       1.8);         ( 607849.9,
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     ( 607854.9, 4267203.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267203.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267203.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267203.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267203.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267203.0,       0.0,       0.0,       1.8);
     ( 607839.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267208.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267208.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267208.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267208.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267208.0,       0.0,       0.0,       1.8);         ( 607839.9,
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UMAll_AERMOD_Mitigated_Output file

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     ( 607844.9, 4267213.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267213.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267213.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267213.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267213.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267213.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267213.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267213.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
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 *** AERMET - VERSION  14134 ***   ***
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                                   PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607839.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267218.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267218.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267218.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267218.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267218.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267223.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267223.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267223.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267223.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267223.0,       0.0,       0.0,       1.8);
     ( 607839.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267228.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267228.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267228.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267228.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267228.0,       0.0,       0.0,       1.8);         ( 607839.9,
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UMAll_AERMOD_Mitigated_Output file

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     ( 607844.9, 4267233.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267233.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267233.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267233.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267233.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267233.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267233.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267233.0,       0.0,       0.0,       1.8);
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4267238.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267238.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267238.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267238.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267238.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267238.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267238.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267238.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267243.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267243.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267243.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267243.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267243.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267243.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267243.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267243.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267243.0,       0.0,       0.0,       1.8);
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4267248.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267248.0,       0.0,       0.0,       1.8);         ( 607854.9,
4267248.0,       0.0,       0.0,       1.8);
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4267248.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267248.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267248.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267248.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267253.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267253.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267253.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267253.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267253.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267253.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267253.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267253.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267253.0,       0.0,       0.0,       1.8);
     ( 607839.9, 4267258.0,       0.0,       0.0,       1.8);         ( 607844.9,
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     ( 607849.9, 4267258.0,       0.0,       0.0,       1.8);         ( 607854.9,
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     ( 607859.9, 4267258.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267258.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267258.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267258.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267258.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267263.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267263.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267263.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267263.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267263.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267263.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267263.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267263.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267263.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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                                  PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607839.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607844.9,
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     ( 607859.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267268.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267268.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267268.0,       0.0,       0.0,       1.8);         ( 607839.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607844.9, 4267273.0,       0.0,       0.0,       1.8);         ( 607849.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607854.9, 4267273.0,       0.0,       0.0,       1.8);         ( 607859.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607864.9, 4267273.0,       0.0,       0.0,       1.8);         ( 607869.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607874.9, 4267273.0,       0.0,       0.0,       1.8);         ( 607879.9,
4267273.0,       0.0,       0.0,       1.8);
     ( 607839.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607844.9,
4267278.0,       0.0,       0.0,       1.8);
     ( 607849.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607854.9,
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UMAll_AERMOD_Mitigated_Output file

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4267278.0,       0.0,       0.0,       1.8);
     ( 607859.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607864.9,
4267278.0,       0.0,       0.0,       1.8);
     ( 607869.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607874.9,
4267278.0,       0.0,       0.0,       1.8);
     ( 607879.9, 4267278.0,       0.0,       0.0,       1.8);         ( 607868.8,
4267305.4,       0.0,       0.0,       1.8);
     ( 607873.8, 4267305.4,       0.0,       0.0,       1.8);         ( 607878.8,
4267305.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267310.4,       0.0,       0.0,       1.8);         ( 607873.8,
4267310.4,       0.0,       0.0,       1.8);
     ( 607878.8, 4267310.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267315.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267315.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607863.8, 4267315.4,       0.0,       0.0,       1.8);         ( 607868.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607873.8, 4267315.4,       0.0,       0.0,       1.8);         ( 607878.8,
4267315.4,       0.0,       0.0,       1.8);
     ( 607823.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267320.4,       0.0,       0.0,       1.8);
     ( 607863.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607868.8,
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     ( 607873.8, 4267320.4,       0.0,       0.0,       1.8);         ( 607823.8,
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     ( 607828.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607843.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607848.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267325.4,       0.0,       0.0,       1.8);         ( 607873.8,
4267325.4,       0.0,       0.0,       1.8);
     ( 607818.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607828.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607843.8,
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UMAll_AERMOD_Mitigated_Output file

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     ( 607848.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267330.4,       0.0,       0.0,       1.8);         ( 607873.8,
4267330.4,       0.0,       0.0,       1.8);
     ( 607818.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607828.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607843.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607848.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267335.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267335.4,       0.0,       0.0,       1.8);         ( 607813.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607818.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267340.4,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 607828.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607843.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607848.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267340.4,       0.0,       0.0,       1.8);
     ( 607868.8, 4267340.4,       0.0,       0.0,       1.8);         ( 607813.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607818.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607823.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607828.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607833.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607838.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607843.8,
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UMAll_AERMOD_Mitigated_Output file

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     ( 607848.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607853.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607858.8, 4267345.4,       0.0,       0.0,       1.8);         ( 607863.8,
4267345.4,       0.0,       0.0,       1.8);
     ( 607813.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607818.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607823.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267350.4,       0.0,       0.0,       1.8);
     ( 607863.8, 4267350.4,       0.0,       0.0,       1.8);         ( 607818.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607823.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267355.4,       0.0,       0.0,       1.8);
     ( 607863.8, 4267355.4,       0.0,       0.0,       1.8);         ( 607828.8,
4267360.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267360.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267360.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267360.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267360.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267360.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267360.4,       0.0,       0.0,       1.8);
     ( 607833.8, 4267365.4,       0.0,       0.0,       1.8);         ( 607838.8,
4267365.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267365.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267365.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267365.4,       0.0,       0.0,       1.8);         ( 607858.8,
4267365.4,       0.0,       0.0,       1.8);
     ( 607843.8, 4267370.4,       0.0,       0.0,       1.8);         ( 607848.8,
4267370.4,       0.0,       0.0,       1.8);
     ( 607853.8, 4267370.4,       0.0,       0.0,       1.8);         ( 607853.8,
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     ( 608197.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267245.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267245.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608222.7,
```

UMAll_AERMOD_Mitigated_Output file

```
4267245.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267245.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267245.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267245.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267250.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267250.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267255.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       18:29:53

                                  PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                   (METERS)

     ( 608237.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267255.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267255.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267260.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267260.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267260.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267260.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267260.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267260.0,       0.0,       0.0,       1.8);         ( 608222.7,
```

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     ( 608227.7, 4267265.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267265.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267265.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267265.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267265.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267270.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267270.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267270.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267270.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267270.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267270.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267275.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267275.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267275.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267275.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267275.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267275.0,       0.0,       0.0,       1.8);         ( 608222.7,
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4267280.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267280.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267280.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267280.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267285.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267285.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267285.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267285.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267285.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267285.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267290.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267290.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267290.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267290.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267290.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267290.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267295.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267295.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267295.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267295.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267295.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267295.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267300.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267300.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267300.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267300.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267300.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267300.0,       0.0,       0.0,       1.8);         ( 608222.7,
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UMAll_AERMOD_Mitigated_Output file

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4267305.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267305.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267305.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267305.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267305.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267305.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267310.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267310.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267310.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267310.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267310.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267310.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267315.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267315.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267320.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        18:29:53

                                  PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 608237.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267320.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267320.0,       0.0,       0.0,       1.8);         ( 608192.7,
```

UMAll_AERMOD_Mitigated_Output file

```
4267325.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267325.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267325.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267330.0,       0.0,       0.0,       1.8);         ( 608252.7,
4267330.0,       0.0,       0.0,       1.8);
     ( 608192.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608197.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608202.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608207.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608212.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608217.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608222.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608227.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608232.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608237.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608242.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608247.7,
4267335.0,       0.0,       0.0,       1.8);
     ( 608252.7, 4267335.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608242.7,
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UMAll_AERMOD_Mitigated_Output file

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4267340.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608252.7,
4267340.0,       0.0,       0.0,       1.8);
     ( 608257.7, 4267340.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608247.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608252.7,
4267345.0,       0.0,       0.0,       1.8);
     ( 608257.7, 4267345.0,       0.0,       0.0,       1.8);         ( 608192.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608197.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608202.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608207.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608212.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608217.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608222.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608227.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608232.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608237.7, 4267350.0,       0.0,       0.0,       1.8);         ( 608242.7,
4267350.0,       0.0,       0.0,       1.8);
     ( 608192.7, 4267355.0,       0.0,       0.0,       1.8);         ( 608197.7,
4267355.0,       0.0,       0.0,       1.8);
     ( 608202.7, 4267355.0,       0.0,       0.0,       1.8);         ( 608207.7,
4267355.0,       0.0,       0.0,       1.8);
     ( 608212.7, 4267355.0,       0.0,       0.0,       1.8);         ( 608217.7,
4267355.0,       0.0,       0.0,       1.8);
     ( 607915.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267056.4,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
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UMAll_AERMOD_Mitigated_Output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 607935.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607940.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607945.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607950.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607955.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607960.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607965.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607970.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607975.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607980.3,
4267056.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267056.4,       0.0,       0.0,       1.8);         ( 607915.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607920.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607925.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607930.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607935.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607940.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607945.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607950.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607955.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607960.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607965.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607970.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607975.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607980.3, 4267061.4,       0.0,       0.0,       1.8);         ( 607985.3,
4267061.4,       0.0,       0.0,       1.8);
     ( 607915.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607935.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607940.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607945.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607950.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607955.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607960.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607965.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607970.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607975.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607980.3,
4267066.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267066.4,       0.0,       0.0,       1.8);         ( 607915.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607920.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607925.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607930.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607935.3,
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4267071.4,       0.0,       0.0,       1.8);
     ( 607940.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607945.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607950.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607955.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607960.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607965.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607970.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607975.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607980.3, 4267071.4,       0.0,       0.0,       1.8);         ( 607985.3,
4267071.4,       0.0,       0.0,       1.8);
     ( 607915.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607935.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607940.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607945.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607950.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607955.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607960.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607965.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607970.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607975.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607980.3,
4267076.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267076.4,       0.0,       0.0,       1.8);         ( 607915.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607920.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607925.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607930.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607935.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607940.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607945.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607950.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607955.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607960.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607965.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607970.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607975.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607980.3, 4267081.4,       0.0,       0.0,       1.8);         ( 607985.3,
4267081.4,       0.0,       0.0,       1.8);
     ( 607915.3, 4267086.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267086.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267086.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267086.4,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                           ***         06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_Mitigated_Output file
*** 18:29:53

PAGE 24
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(607945.3, 4267086.4, 0.0, 0.0, 1.8); (607950.3, 4267086.4, 0.0, 0.0, 1.8);
(607955.3, 4267086.4, 0.0, 0.0, 1.8); (607960.3, 4267086.4, 0.0, 0.0, 1.8);
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(607975.3, 4267086.4, 0.0, 0.0, 1.8); (607980.3, 4267086.4, 0.0, 0.0, 1.8);
(607985.3, 4267086.4, 0.0, 0.0, 1.8); (607915.3, 4267091.4, 0.0, 0.0, 1.8);
(607920.3, 4267091.4, 0.0, 0.0, 1.8); (607925.3, 4267091.4, 0.0, 0.0, 1.8);
(607930.3, 4267091.4, 0.0, 0.0, 1.8); (607935.3, 4267091.4, 0.0, 0.0, 1.8);
(607940.3, 4267091.4, 0.0, 0.0, 1.8); (607945.3, 4267091.4, 0.0, 0.0, 1.8);
(607950.3, 4267091.4, 0.0, 0.0, 1.8); (607955.3, 4267091.4, 0.0, 0.0, 1.8);
(607960.3, 4267091.4, 0.0, 0.0, 1.8); (607965.3, 4267091.4, 0.0, 0.0, 1.8);
(607970.3, 4267091.4, 0.0, 0.0, 1.8); (607975.3, 4267091.4, 0.0, 0.0, 1.8);
(607980.3, 4267091.4, 0.0, 0.0, 1.8); (607985.3, 4267091.4, 0.0, 0.0, 1.8);
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(607925.3, 4267096.4, 0.0, 0.0, 1.8); (607930.3, 4267096.4, 0.0, 0.0, 1.8);
(607935.3, 4267096.4, 0.0, 0.0, 1.8); (607940.3, 4267096.4, 0.0, 0.0, 1.8);
(607945.3, 4267096.4, 0.0, 0.0, 1.8); (607950.3, 4267096.4, 0.0, 0.0, 1.8);
(607955.3, 4267096.4, 0.0, 0.0, 1.8); (607960.3, 4267096.4, 0.0, 0.0, 1.8);
(607965.3, 4267096.4, 0.0, 0.0, 1.8); (607970.3, 4267096.4, 0.0, 0.0, 1.8);
(607975.3, 4267096.4, 0.0, 0.0, 1.8); (607980.3,

UMAll_AERMOD_Mitigated_Output file

```
4267096.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267096.4,       0.0,       0.0,       1.8);         ( 607915.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607920.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607925.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607930.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607935.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607940.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607945.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607950.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607955.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607960.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607965.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607970.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607975.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607980.3, 4267101.4,       0.0,       0.0,       1.8);         ( 607985.3,
4267101.4,       0.0,       0.0,       1.8);
     ( 607915.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607920.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607925.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607930.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607935.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607940.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607945.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607950.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607955.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607960.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607965.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607970.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607975.3, 4267106.4,       0.0,       0.0,       1.8);         ( 607980.3,
4267106.4,       0.0,       0.0,       1.8);
     ( 607985.3, 4267106.4,       0.0,       0.0,       1.8);         ( 608194.8,
4267085.2,       0.0,       0.0,       1.8);
     ( 608199.8, 4267085.2,       0.0,       0.0,       1.8);         ( 608304.8,
4267085.2,       0.0,       0.0,       1.8);
     ( 608309.8, 4267085.2,       0.0,       0.0,       1.8);         ( 608314.8,
4267085.2,       0.0,       0.0,       1.8);
     ( 608184.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608189.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608194.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608199.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608204.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608209.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608304.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608309.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608314.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608319.8,
4267090.2,       0.0,       0.0,       1.8);
     ( 608324.8, 4267090.2,       0.0,       0.0,       1.8);         ( 608179.8,
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UMAll_AERMOD_Mitigated_Output file
4267095.2, 0.0, 0.0, 1.8);
(608184.8, 4267095.2, 0.0, 0.0, 1.8); (608189.8,
4267095.2, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 25
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608194.8, 4267095.2, 0.0, 0.0, 1.8); (608199.8,
4267095.2, 0.0, 0.0, 1.8);
(608204.8, 4267095.2, 0.0, 0.0, 1.8); (608209.8,
4267095.2, 0.0, 0.0, 1.8);
(608214.8, 4267095.2, 0.0, 0.0, 1.8); (608304.8,
4267095.2, 0.0, 0.0, 1.8);
(608309.8, 4267095.2, 0.0, 0.0, 1.8); (608314.8,
4267095.2, 0.0, 0.0, 1.8);
(608319.8, 4267095.2, 0.0, 0.0, 1.8); (608324.8,
4267095.2, 0.0, 0.0, 1.8);
(608179.8, 4267100.2, 0.0, 0.0, 1.8); (608184.8,
4267100.2, 0.0, 0.0, 1.8);
(608189.8, 4267100.2, 0.0, 0.0, 1.8); (608194.8,
4267100.2, 0.0, 0.0, 1.8);
(608199.8, 4267100.2, 0.0, 0.0, 1.8); (608204.8,
4267100.2, 0.0, 0.0, 1.8);
(608209.8, 4267100.2, 0.0, 0.0, 1.8); (608214.8,
4267100.2, 0.0, 0.0, 1.8);
(608219.8, 4267100.2, 0.0, 0.0, 1.8); (608224.8,
4267100.2, 0.0, 0.0, 1.8);
(608229.8, 4267100.2, 0.0, 0.0, 1.8); (608299.8,
4267100.2, 0.0, 0.0, 1.8);
(608304.8, 4267100.2, 0.0, 0.0, 1.8); (608309.8,
4267100.2, 0.0, 0.0, 1.8);
(608314.8, 4267100.2, 0.0, 0.0, 1.8); (608319.8,
4267100.2, 0.0, 0.0, 1.8);
(608324.8, 4267100.2, 0.0, 0.0, 1.8); (608184.8,
4267105.2, 0.0, 0.0, 1.8);
(608189.8, 4267105.2, 0.0, 0.0, 1.8); (608194.8,
4267105.2, 0.0, 0.0, 1.8);
(608199.8, 4267105.2, 0.0, 0.0, 1.8); (608204.8,
4267105.2, 0.0, 0.0, 1.8);
(608209.8, 4267105.2, 0.0, 0.0, 1.8); (608214.8,

UMAll_AERMOD_Mitigated_Output file

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4267105.2,       0.0,       0.0,       1.8);
     ( 608219.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608224.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608229.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608234.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608239.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608244.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608299.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608304.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608309.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608314.8,
4267105.2,       0.0,       0.0,       1.8);
     ( 608319.8, 4267105.2,       0.0,       0.0,       1.8);         ( 608184.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608189.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608194.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608199.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608204.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608209.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608214.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608219.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608224.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608229.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608234.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608239.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608244.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608249.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608254.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608259.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608264.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608269.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608274.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608279.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608284.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608289.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608294.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608299.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608304.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608309.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608314.8,
4267110.2,       0.0,       0.0,       1.8);
     ( 608319.8, 4267110.2,       0.0,       0.0,       1.8);         ( 608189.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608194.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608199.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608204.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608209.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608214.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608219.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608224.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608229.8,
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UMAll_AERMOD_Mitigated_Output file

```
4267115.2,       0.0,       0.0,       1.8);
     ( 608234.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608239.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608244.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608249.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608254.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608259.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608264.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608269.8,
4267115.2,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 608274.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608279.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608284.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608289.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608294.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608299.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608304.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608309.8,
4267115.2,       0.0,       0.0,       1.8);
     ( 608314.8, 4267115.2,       0.0,       0.0,       1.8);         ( 608189.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608194.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608199.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608204.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608209.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608214.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608219.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608224.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608229.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608234.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608239.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608244.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608249.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608254.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608259.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608264.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608269.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608274.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608279.8,
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UMAll_AERMOD_Mitigated_Output file

```
4267120.2,       0.0,       0.0,       1.8);
     ( 608284.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608289.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608294.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608299.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608304.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608309.8,
4267120.2,       0.0,       0.0,       1.8);
     ( 608314.8, 4267120.2,       0.0,       0.0,       1.8);         ( 608204.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608209.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608214.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608219.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608224.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608229.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608234.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608239.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608244.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608249.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608254.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608259.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608264.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608269.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608274.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608279.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608284.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608289.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608294.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608299.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608304.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608309.8, 4267125.2,       0.0,       0.0,       1.8);         ( 608314.8,
4267125.2,       0.0,       0.0,       1.8);
     ( 608224.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608229.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608234.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608239.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608244.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608249.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608254.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608259.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608264.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608269.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608274.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608279.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608284.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608289.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608294.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608299.8,
4267130.2,       0.0,       0.0,       1.8);
     ( 608304.8, 4267130.2,       0.0,       0.0,       1.8);         ( 608309.8,
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4267130.2,       0.0,       0.0,       1.8);
     ( 608160.0, 4267047.1,       0.0,       0.0,       1.8);         ( 608165.0,
4267047.1,       0.0,       0.0,       1.8);
     ( 608170.0, 4267047.1,       0.0,       0.0,       1.8);         ( 608175.0,
4267047.1,       0.0,       0.0,       1.8);
     ( 608180.0, 4267047.1,       0.0,       0.0,       1.8);         ( 608185.0,
4267047.1,       0.0,       0.0,       1.8);
     ( 608190.0, 4267047.1,       0.0,       0.0,       1.8);         ( 608195.0,
4267047.1,       0.0,       0.0,       1.8);
     ( 608200.0, 4267047.1,       0.0,       0.0,       1.8);         ( 608205.0,
4267047.1,       0.0,       0.0,       1.8);
     ( 608210.0, 4267047.1,       0.0,       0.0,       1.8);         ( 608215.0,
4267047.1,       0.0,       0.0,       1.8);
     ( 608165.0, 4267052.1,       0.0,       0.0,       1.8);         ( 608170.0,
4267052.1,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 608175.0, 4267052.1,       0.0,       0.0,       1.8);         ( 608180.0,
4267052.1,       0.0,       0.0,       1.8);
     ( 608185.0, 4267052.1,       0.0,       0.0,       1.8);         ( 608190.0,
4267052.1,       0.0,       0.0,       1.8);
     ( 608195.0, 4267052.1,       0.0,       0.0,       1.8);         ( 608200.0,
4267052.1,       0.0,       0.0,       1.8);
     ( 608205.0, 4267052.1,       0.0,       0.0,       1.8);         ( 608210.0,
4267052.1,       0.0,       0.0,       1.8);
     ( 608215.0, 4267052.1,       0.0,       0.0,       1.8);         ( 608220.0,
4267052.1,       0.0,       0.0,       1.8);
     ( 608165.0, 4267057.1,       0.0,       0.0,       1.8);         ( 608170.0,
4267057.1,       0.0,       0.0,       1.8);
     ( 608175.0, 4267057.1,       0.0,       0.0,       1.8);         ( 608180.0,
4267057.1,       0.0,       0.0,       1.8);
     ( 608185.0, 4267057.1,       0.0,       0.0,       1.8);         ( 608190.0,
4267057.1,       0.0,       0.0,       1.8);
     ( 608195.0, 4267057.1,       0.0,       0.0,       1.8);         ( 608200.0,
4267057.1,       0.0,       0.0,       1.8);
     ( 608205.0, 4267057.1,       0.0,       0.0,       1.8);         ( 608210.0,
4267057.1,       0.0,       0.0,       1.8);
     ( 608215.0, 4267057.1,       0.0,       0.0,       1.8);         ( 608220.0,
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UMAll_AERMOD_Mitigated_Output file

```
4267057.1,       0.0,       0.0,       1.8);
     ( 608165.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608170.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608175.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608180.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608185.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608190.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608195.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608200.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608205.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608210.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608215.0, 4267062.1,       0.0,       0.0,       1.8);         ( 608220.0,
4267062.1,       0.0,       0.0,       1.8);
     ( 608200.0, 4267067.1,       0.0,       0.0,       1.8);         ( 608205.0,
4267067.1,       0.0,       0.0,       1.8);
     ( 608210.0, 4267067.1,       0.0,       0.0,       1.8);         ( 608215.0,
4267067.1,       0.0,       0.0,       1.8);
     ( 608220.0, 4267067.1,       0.0,       0.0,       1.8);         ( 608136.2,
4267335.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267335.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267335.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267335.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267340.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267340.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267340.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267340.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267345.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267345.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608071.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608076.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608081.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608086.2,
```

UMAll_AERMOD_Mitigated_Output file

```
4267350.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608116.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608126.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267350.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267350.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267355.6,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 608096.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267355.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267355.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608071.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608076.2,
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UMAll_AERMOD_Mitigated_Output file

```
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     ( 608081.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608086.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608116.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608126.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267360.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267360.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267365.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267365.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608071.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608076.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608081.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608086.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608116.2,
4267370.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267370.6,       0.0,       0.0,       5.4);         ( 608126.2,
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UMAll_AERMOD_Mitigated_Output file

4267370.6, 0.0, 0.0, 5.4);
(608131.2, 4267370.6, 0.0, 0.0, 5.4); (608136.2, 4267370.6, 0.0, 0.0, 5.4);
(608141.2, 4267370.6, 0.0, 0.0, 5.4); (608146.2, 4267370.6, 0.0, 0.0, 5.4);
(608151.2, 4267370.6, 0.0, 0.0, 5.4); (608061.2, 4267375.6, 0.0, 0.0, 5.4);
(608066.2, 4267375.6, 0.0, 0.0, 5.4); (608071.2, 4267375.6, 0.0, 0.0, 5.4);
(608076.2, 4267375.6, 0.0, 0.0, 5.4); (608081.2, 4267375.6, 0.0, 0.0, 5.4);
(608086.2, 4267375.6, 0.0, 0.0, 5.4); (608091.2, 4267375.6, 0.0, 0.0, 5.4);
(608096.2, 4267375.6, 0.0, 0.0, 5.4); (608101.2, 4267375.6, 0.0, 0.0, 5.4);
(608106.2, 4267375.6, 0.0, 0.0, 5.4); (608111.2, 4267375.6, 0.0, 0.0, 5.4);
(608116.2, 4267375.6, 0.0, 0.0, 5.4); (608121.2, 4267375.6, 0.0, 0.0, 5.4);
(608126.2, 4267375.6, 0.0, 0.0, 5.4); (608131.2, 4267375.6, 0.0, 0.0, 5.4);
(608136.2, 4267375.6, 0.0, 0.0, 5.4); (608141.2, 4267375.6, 0.0, 0.0, 5.4);
(608146.2, 4267375.6, 0.0, 0.0, 5.4); (608151.2, 4267375.6, 0.0, 0.0, 5.4);
(608061.2, 4267380.6, 0.0, 0.0, 5.4); (608066.2, 4267380.6, 0.0, 0.0, 5.4);

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608071.2, 4267380.6, 0.0, 0.0, 5.4); (608076.2, 4267380.6, 0.0, 0.0, 5.4);
(608081.2, 4267380.6, 0.0, 0.0, 5.4); (608086.2, 4267380.6, 0.0, 0.0, 5.4);
(608091.2, 4267380.6, 0.0, 0.0, 5.4); (608096.2, 4267380.6, 0.0, 0.0, 5.4);
(608101.2, 4267380.6, 0.0, 0.0, 5.4); (608106.2, 4267380.6, 0.0, 0.0, 5.4);
(608111.2, 4267380.6, 0.0, 0.0, 5.4); (608116.2,

UMAll_AERMOD_Mitigated_Output file

```
4267380.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608126.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267380.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267380.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267385.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267385.6,       0.0,       0.0,       5.4);
     ( 608061.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608066.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608071.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608076.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608081.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608086.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608091.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608096.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608101.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608106.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608111.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608116.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608121.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608126.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608131.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608136.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608141.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608146.2,
4267390.6,       0.0,       0.0,       5.4);
     ( 608151.2, 4267390.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608071.2,
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UMAll_AERMOD_Mitigated_Output file

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4267395.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267395.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267395.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267400.6,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       18:29:53

                                   PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 608136.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267400.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267400.6,       0.0,       0.0,       5.4);         ( 608151.2,
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UMAll_AERMOD_Mitigated_Output file

```
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4267405.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267405.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267405.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608126.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608131.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608136.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608141.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267410.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267410.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608091.2,
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UMAll_AERMOD_Mitigated_Output file

```
4267415.6,       0.0,       0.0,       5.4);
     ( 608096.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608101.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608106.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608111.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608116.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608121.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608146.2, 4267415.6,       0.0,       0.0,       5.4);         ( 608151.2,
4267415.6,       0.0,       0.0,       5.4);
     ( 608056.2, 4267420.6,       0.0,       0.0,       5.4);         ( 608061.2,
4267420.6,       0.0,       0.0,       5.4);
     ( 608066.2, 4267420.6,       0.0,       0.0,       5.4);         ( 608071.2,
4267420.6,       0.0,       0.0,       5.4);
     ( 608076.2, 4267420.6,       0.0,       0.0,       5.4);         ( 608081.2,
4267420.6,       0.0,       0.0,       5.4);
     ( 608086.2, 4267420.6,       0.0,       0.0,       5.4);         ( 608091.2,
4267420.6,       0.0,       0.0,       5.4);
     ( 607905.0, 4267340.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267340.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267340.2,       0.0,       0.0,       5.4);         ( 607920.0,
4267340.2,       0.0,       0.0,       5.4);
     ( 607905.0, 4267345.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267345.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267345.2,       0.0,       0.0,       5.4);         ( 607920.0,
4267345.2,       0.0,       0.0,       5.4);
     ( 607930.0, 4267345.2,       0.0,       0.0,       5.4);         ( 607935.0,
4267345.2,       0.0,       0.0,       5.4);
     ( 607940.0, 4267345.2,       0.0,       0.0,       5.4);         ( 607945.0,
4267345.2,       0.0,       0.0,       5.4);
     ( 607900.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607905.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607910.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607915.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267350.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
```

UMAll_AERMOD_Mitigated_Output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 607965.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267350.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267350.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267350.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267350.2,       0.0,       0.0,       5.4);         ( 607900.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607905.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607935.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607940.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607945.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607950.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607955.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607960.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607965.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607970.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607975.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607980.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607985.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607990.0, 4267355.2,       0.0,       0.0,       5.4);         ( 607995.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 608000.0, 4267355.2,       0.0,       0.0,       5.4);         ( 608005.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 608010.0, 4267355.2,       0.0,       0.0,       5.4);         ( 608015.0,
4267355.2,       0.0,       0.0,       5.4);
     ( 607900.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607905.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607910.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607915.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607980.0,
```

UMAll_AERMOD_Mitigated_Output file

```
4267360.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267360.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267360.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267360.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267360.2,       0.0,       0.0,       5.4);         ( 607895.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607900.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607905.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607910.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607935.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607940.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607945.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607950.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607955.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607960.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607965.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607970.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607975.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607980.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607985.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607990.0, 4267365.2,       0.0,       0.0,       5.4);         ( 607995.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 608000.0, 4267365.2,       0.0,       0.0,       5.4);         ( 608005.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 608010.0, 4267365.2,       0.0,       0.0,       5.4);         ( 608015.0,
4267365.2,       0.0,       0.0,       5.4);
     ( 607900.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607905.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607910.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607915.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607920.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607925.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607930.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607935.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607940.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607945.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607950.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607955.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607960.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607965.0,
4267370.2,       0.0,       0.0,       5.4);
     ( 607970.0, 4267370.2,       0.0,       0.0,       5.4);         ( 607975.0,
4267370.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_Mitigated_Output file
*** 18:29:53

PAGE 32

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607980.0, 4267370.2, 0.0, 0.0, 5.4); (607985.0, 4267370.2, 0.0, 0.0, 5.4);
(607990.0, 4267370.2, 0.0, 0.0, 5.4); (607995.0, 4267370.2, 0.0, 0.0, 5.4);
(608000.0, 4267370.2, 0.0, 0.0, 5.4); (608005.0, 4267370.2, 0.0, 0.0, 5.4);
(608010.0, 4267370.2, 0.0, 0.0, 5.4); (608015.0, 4267370.2, 0.0, 0.0, 5.4);
(607895.0, 4267375.2, 0.0, 0.0, 5.4); (607900.0, 4267375.2, 0.0, 0.0, 5.4);
(607905.0, 4267375.2, 0.0, 0.0, 5.4); (607910.0, 4267375.2, 0.0, 0.0, 5.4);
(607915.0, 4267375.2, 0.0, 0.0, 5.4); (607920.0, 4267375.2, 0.0, 0.0, 5.4);
(607925.0, 4267375.2, 0.0, 0.0, 5.4); (607930.0, 4267375.2, 0.0, 0.0, 5.4);
(607935.0, 4267375.2, 0.0, 0.0, 5.4); (607940.0, 4267375.2, 0.0, 0.0, 5.4);
(607945.0, 4267375.2, 0.0, 0.0, 5.4); (607950.0, 4267375.2, 0.0, 0.0, 5.4);
(607955.0, 4267375.2, 0.0, 0.0, 5.4); (607960.0, 4267375.2, 0.0, 0.0, 5.4);
(607965.0, 4267375.2, 0.0, 0.0, 5.4); (607970.0, 4267375.2, 0.0, 0.0, 5.4);
(607975.0, 4267375.2, 0.0, 0.0, 5.4); (607980.0, 4267375.2, 0.0, 0.0, 5.4);
(607985.0, 4267375.2, 0.0, 0.0, 5.4); (607990.0, 4267375.2, 0.0, 0.0, 5.4);
(607995.0, 4267375.2, 0.0, 0.0, 5.4); (608000.0, 4267375.2, 0.0, 0.0, 5.4);
(608005.0, 4267375.2, 0.0, 0.0, 5.4); (608010.0, 4267375.2, 0.0, 0.0, 5.4);
(608015.0, 4267375.2, 0.0, 0.0, 5.4); (607890.0, 4267380.2, 0.0, 0.0, 5.4);
(607895.0, 4267380.2, 0.0, 0.0, 5.4); (607900.0, 4267380.2, 0.0, 0.0, 5.4);
(607905.0, 4267380.2, 0.0, 0.0, 5.4); (607910.0, 4267380.2, 0.0, 0.0, 5.4);
(607915.0, 4267380.2, 0.0, 0.0, 5.4); (607920.0,

UMAll_AERMOD_Mitigated_Output file

```
4267380.2,       0.0,       0.0,       5.4);
     ( 607925.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607930.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267380.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267380.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267380.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267380.2,       0.0,       0.0,       5.4);         ( 607890.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607895.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607900.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607905.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607910.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607915.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607920.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607925.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607930.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607935.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607940.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607945.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607950.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267385.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267385.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267385.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267385.2,       0.0,       0.0,       5.4);         ( 607890.0,
4267390.2,       0.0,       0.0,       5.4);
     ( 607895.0, 4267390.2,       0.0,       0.0,       5.4);         ( 607900.0,
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UMAll_AERMOD_Mitigated_Output file

4267390.2, 0.0, 0.0, 5.4);
(607905.0, 4267390.2, 0.0, 0.0, 5.4); (607910.0,
4267390.2, 0.0, 0.0, 5.4);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 33
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607915.0, 4267390.2, 0.0, 0.0, 5.4); (607920.0,
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(607925.0, 4267390.2, 0.0, 0.0, 5.4); (607930.0,
4267390.2, 0.0, 0.0, 5.4);
(607935.0, 4267390.2, 0.0, 0.0, 5.4); (607940.0,
4267390.2, 0.0, 0.0, 5.4);
(607945.0, 4267390.2, 0.0, 0.0, 5.4); (607950.0,
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(607955.0, 4267390.2, 0.0, 0.0, 5.4); (607960.0,
4267390.2, 0.0, 0.0, 5.4);
(607965.0, 4267390.2, 0.0, 0.0, 5.4); (607970.0,
4267390.2, 0.0, 0.0, 5.4);
(607975.0, 4267390.2, 0.0, 0.0, 5.4); (607980.0,
4267390.2, 0.0, 0.0, 5.4);
(607985.0, 4267390.2, 0.0, 0.0, 5.4); (607990.0,
4267390.2, 0.0, 0.0, 5.4);
(607995.0, 4267390.2, 0.0, 0.0, 5.4); (608000.0,
4267390.2, 0.0, 0.0, 5.4);
(608005.0, 4267390.2, 0.0, 0.0, 5.4); (608010.0,
4267390.2, 0.0, 0.0, 5.4);
(608015.0, 4267390.2, 0.0, 0.0, 5.4); (607890.0,
4267395.2, 0.0, 0.0, 5.4);
(607895.0, 4267395.2, 0.0, 0.0, 5.4); (607900.0,
4267395.2, 0.0, 0.0, 5.4);
(607905.0, 4267395.2, 0.0, 0.0, 5.4); (607910.0,
4267395.2, 0.0, 0.0, 5.4);
(607915.0, 4267395.2, 0.0, 0.0, 5.4); (607920.0,
4267395.2, 0.0, 0.0, 5.4);
(607925.0, 4267395.2, 0.0, 0.0, 5.4); (607930.0,
4267395.2, 0.0, 0.0, 5.4);
(607935.0, 4267395.2, 0.0, 0.0, 5.4); (607940.0,
4267395.2, 0.0, 0.0, 5.4);
(607945.0, 4267395.2, 0.0, 0.0, 5.4); (607950.0,

UMAll_AERMOD_Mitigated_Output file

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4267395.2,       0.0,       0.0,       5.4);
     ( 607955.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607960.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607965.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607970.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607975.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607980.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607985.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607990.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 607995.0, 4267395.2,       0.0,       0.0,       5.4);         ( 608000.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 608005.0, 4267395.2,       0.0,       0.0,       5.4);         ( 608010.0,
4267395.2,       0.0,       0.0,       5.4);
     ( 608015.0, 4267395.2,       0.0,       0.0,       5.4);         ( 607917.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607937.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607982.7, 4267058.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267058.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607982.7,
4267063.1,       0.0,       0.0,       5.4);
     ( 607987.7, 4267063.1,       0.0,       0.0,       5.4);         ( 607917.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607937.7,
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UMAll_AERMOD_Mitigated_Output file

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4267068.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267068.1,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607982.7, 4267068.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267068.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607982.7,
4267073.1,       0.0,       0.0,       5.4);
     ( 607987.7, 4267073.1,       0.0,       0.0,       5.4);         ( 607917.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607937.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607967.7,
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UMAll_AERMOD_Mitigated_Output file

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4267078.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607982.7, 4267078.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267078.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607982.7,
4267083.1,       0.0,       0.0,       5.4);
     ( 607987.7, 4267083.1,       0.0,       0.0,       5.4);         ( 607917.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607922.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607927.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607932.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607937.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607977.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607982.7, 4267088.1,       0.0,       0.0,       5.4);         ( 607987.7,
4267088.1,       0.0,       0.0,       5.4);
     ( 607917.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607922.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607927.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607932.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607937.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607942.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607947.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607952.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607957.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607962.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607967.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607972.7,
4267093.1,       0.0,       0.0,       5.4);
     ( 607977.7, 4267093.1,       0.0,       0.0,       5.4);         ( 607982.7,
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UMAll_AERMOD_Mitigated_Output file
4267093.1,   0.0,   0.0,   5.4);
     (607987.7, 4267093.1,   0.0,   0.0,   5.4);   (607917.7,
4267098.1,   0.0,   0.0,   5.4);
     (607922.7, 4267098.1,   0.0,   0.0,   5.4);   (607927.7,
4267098.1,   0.0,   0.0,   5.4);
     (607932.7, 4267098.1,   0.0,   0.0,   5.4);   (607937.7,
4267098.1,   0.0,   0.0,   5.4);
     (607942.7, 4267098.1,   0.0,   0.0,   5.4);   (607947.7,
4267098.1,   0.0,   0.0,   5.4);
     (607952.7, 4267098.1,   0.0,   0.0,   5.4);   (607957.7,
4267098.1,   0.0,   0.0,   5.4);
     (607962.7, 4267098.1,   0.0,   0.0,   5.4);   (607967.7,
4267098.1,   0.0,   0.0,   5.4);
     (607972.7, 4267098.1,   0.0,   0.0,   5.4);   (607977.7,
4267098.1,   0.0,   0.0,   5.4);
 *** AERMOD - VERSION 18081 ***   *** University Commons
                         ***   06/18/19
 *** AERMET - VERSION 14134 ***   ***
                        ***   18:29:53

                                  PAGE 35
 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (607982.7, 4267098.1,   0.0,   0.0,   5.4);   (607987.7,
4267098.1,   0.0,   0.0,   5.4);
     (607917.7, 4267103.1,   0.0,   0.0,   5.4);   (607922.7,
4267103.1,   0.0,   0.0,   5.4);
     (607927.7, 4267103.1,   0.0,   0.0,   5.4);   (607932.7,
4267103.1,   0.0,   0.0,   5.4);
     (607937.7, 4267103.1,   0.0,   0.0,   5.4);   (607942.7,
4267103.1,   0.0,   0.0,   5.4);
     (607947.7, 4267103.1,   0.0,   0.0,   5.4);   (607952.7,
4267103.1,   0.0,   0.0,   5.4);
     (607957.7, 4267103.1,   0.0,   0.0,   5.4);   (607962.7,
4267103.1,   0.0,   0.0,   5.4);
     (607967.7, 4267103.1,   0.0,   0.0,   5.4);   (607972.7,
4267103.1,   0.0,   0.0,   5.4);
     (607977.7, 4267103.1,   0.0,   0.0,   5.4);   (607982.7,
4267103.1,   0.0,   0.0,   5.4);
     (607987.7, 4267103.1,   0.0,   0.0,   5.4);   (607917.7,
4267108.1,   0.0,   0.0,   5.4);
     (607922.7, 4267108.1,   0.0,   0.0,   5.4);   (607927.7,
4267108.1,   0.0,   0.0,   5.4);
     (607932.7, 4267108.1,   0.0,   0.0,   5.4);   (607937.7,

UMAll_AERMOD_Mitigated_Output file

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4267108.1,       0.0,       0.0,       5.4);
     ( 607942.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607947.7,
4267108.1,       0.0,       0.0,       5.4);
     ( 607952.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607957.7,
4267108.1,       0.0,       0.0,       5.4);
     ( 607962.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607967.7,
4267108.1,       0.0,       0.0,       5.4);
     ( 607972.7, 4267108.1,       0.0,       0.0,       5.4);         ( 607869.8,
4267306.3,       0.0,       0.0,       5.4);
     ( 607874.8, 4267306.3,       0.0,       0.0,       5.4);         ( 607879.8,
4267306.3,       0.0,       0.0,       5.4);
     ( 607824.8, 4267311.3,       0.0,       0.0,       5.4);         ( 607829.8,
4267311.3,       0.0,       0.0,       5.4);
     ( 607864.8, 4267311.3,       0.0,       0.0,       5.4);         ( 607869.8,
4267311.3,       0.0,       0.0,       5.4);
     ( 607874.8, 4267311.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267316.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267316.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267316.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267316.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267316.3,       0.0,       0.0,       5.4);
     ( 607864.8, 4267316.3,       0.0,       0.0,       5.4);         ( 607869.8,
4267316.3,       0.0,       0.0,       5.4);
     ( 607874.8, 4267316.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607864.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607869.8, 4267321.3,       0.0,       0.0,       5.4);         ( 607874.8,
4267321.3,       0.0,       0.0,       5.4);
     ( 607819.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607864.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607869.8, 4267326.3,       0.0,       0.0,       5.4);         ( 607874.8,
4267326.3,       0.0,       0.0,       5.4);
     ( 607819.8, 4267331.3,       0.0,       0.0,       5.4);         ( 607824.8,
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4267331.3, 0.0, 0.0, 5.4);
(607829.8, 4267331.3, 0.0, 0.0, 5.4); (607834.8,
4267331.3, 0.0, 0.0, 5.4);
(607839.8, 4267331.3, 0.0, 0.0, 5.4); (607844.8,
4267331.3, 0.0, 0.0, 5.4);
(607849.8, 4267331.3, 0.0, 0.0, 5.4); (607854.8,
4267331.3, 0.0, 0.0, 5.4);
(607859.8, 4267331.3, 0.0, 0.0, 5.4); (607864.8,
4267331.3, 0.0, 0.0, 5.4);
(607869.8, 4267331.3, 0.0, 0.0, 5.4); (607819.8,
4267336.3, 0.0, 0.0, 5.4);
(607824.8, 4267336.3, 0.0, 0.0, 5.4); (607829.8,
4267336.3, 0.0, 0.0, 5.4);
(607834.8, 4267336.3, 0.0, 0.0, 5.4); (607839.8,
4267336.3, 0.0, 0.0, 5.4);
(607844.8, 4267336.3, 0.0, 0.0, 5.4); (607849.8,
4267336.3, 0.0, 0.0, 5.4);
(607854.8, 4267336.3, 0.0, 0.0, 5.4); (607859.8,
4267336.3, 0.0, 0.0, 5.4);
(607864.8, 4267336.3, 0.0, 0.0, 5.4); (607869.8,
4267336.3, 0.0, 0.0, 5.4);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607814.8, 4267341.3, 0.0, 0.0, 5.4); (607819.8,
4267341.3, 0.0, 0.0, 5.4);
(607824.8, 4267341.3, 0.0, 0.0, 5.4); (607829.8,
4267341.3, 0.0, 0.0, 5.4);
(607834.8, 4267341.3, 0.0, 0.0, 5.4); (607839.8,
4267341.3, 0.0, 0.0, 5.4);
(607844.8, 4267341.3, 0.0, 0.0, 5.4); (607849.8,
4267341.3, 0.0, 0.0, 5.4);
(607854.8, 4267341.3, 0.0, 0.0, 5.4); (607859.8,
4267341.3, 0.0, 0.0, 5.4);
(607864.8, 4267341.3, 0.0, 0.0, 5.4); (607814.8,
4267346.3, 0.0, 0.0, 5.4);
(607819.8, 4267346.3, 0.0, 0.0, 5.4); (607824.8,
4267346.3, 0.0, 0.0, 5.4);
(607829.8, 4267346.3, 0.0, 0.0, 5.4); (607834.8,

UMAll_AERMOD_Mitigated_Output file

```
4267346.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267346.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267346.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267346.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267346.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267346.3,       0.0,       0.0,       5.4);         ( 607864.8,
4267346.3,       0.0,       0.0,       5.4);
     ( 607814.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607819.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607824.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607829.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607834.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607839.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607844.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607849.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607854.8, 4267351.3,       0.0,       0.0,       5.4);         ( 607859.8,
4267351.3,       0.0,       0.0,       5.4);
     ( 607819.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607824.8,
4267356.3,       0.0,       0.0,       5.4);
     ( 607829.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607834.8,
4267356.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267356.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267356.3,       0.0,       0.0,       5.4);
     ( 607859.8, 4267356.3,       0.0,       0.0,       5.4);         ( 607829.8,
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     ( 607834.8, 4267361.3,       0.0,       0.0,       5.4);         ( 607839.8,
4267361.3,       0.0,       0.0,       5.4);
     ( 607844.8, 4267361.3,       0.0,       0.0,       5.4);         ( 607849.8,
4267361.3,       0.0,       0.0,       5.4);
     ( 607854.8, 4267361.3,       0.0,       0.0,       5.4);         ( 607859.8,
4267361.3,       0.0,       0.0,       5.4);
     ( 607839.8, 4267366.3,       0.0,       0.0,       5.4);         ( 607844.8,
4267366.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267366.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267366.3,       0.0,       0.0,       5.4);
     ( 607849.8, 4267371.3,       0.0,       0.0,       5.4);         ( 607854.8,
4267371.3,       0.0,       0.0,       5.4);
     ( 607829.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607834.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607874.5,
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UMAll_AERMOD_Mitigated_Output file

```
4267189.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267189.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267189.2,       0.0,       0.0,       5.4);
     ( 607829.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607834.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267194.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267194.2,       0.0,       0.0,       5.4);
     ( 607829.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607834.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267199.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267199.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267199.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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                                  PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607839.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267204.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267204.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267204.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267204.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267204.2,       0.0,       0.0,       5.4);         ( 607884.5,
```

4267204.2,   0.0,   0.0,   5.4);
     (607839.5, 4267209.2,   0.0,   0.0,   5.4);   (607844.5,
4267209.2,   0.0,   0.0,   5.4);
     (607849.5, 4267209.2,   0.0,   0.0,   5.4);   (607854.5,
4267209.2,   0.0,   0.0,   5.4);
     (607859.5, 4267209.2,   0.0,   0.0,   5.4);   (607864.5,
4267209.2,   0.0,   0.0,   5.4);
     (607869.5, 4267209.2,   0.0,   0.0,   5.4);   (607874.5,
4267209.2,   0.0,   0.0,   5.4);
     (607879.5, 4267209.2,   0.0,   0.0,   5.4);   (607884.5,
4267209.2,   0.0,   0.0,   5.4);
     (607839.5, 4267214.2,   0.0,   0.0,   5.4);   (607844.5,
4267214.2,   0.0,   0.0,   5.4);
     (607849.5, 4267214.2,   0.0,   0.0,   5.4);   (607854.5,
4267214.2,   0.0,   0.0,   5.4);
     (607859.5, 4267214.2,   0.0,   0.0,   5.4);   (607864.5,
4267214.2,   0.0,   0.0,   5.4);
     (607869.5, 4267214.2,   0.0,   0.0,   5.4);   (607874.5,
4267214.2,   0.0,   0.0,   5.4);
     (607879.5, 4267214.2,   0.0,   0.0,   5.4);   (607884.5,
4267214.2,   0.0,   0.0,   5.4);
     (607839.5, 4267219.2,   0.0,   0.0,   5.4);   (607844.5,
4267219.2,   0.0,   0.0,   5.4);
     (607849.5, 4267219.2,   0.0,   0.0,   5.4);   (607854.5,
4267219.2,   0.0,   0.0,   5.4);
     (607859.5, 4267219.2,   0.0,   0.0,   5.4);   (607864.5,
4267219.2,   0.0,   0.0,   5.4);
     (607869.5, 4267219.2,   0.0,   0.0,   5.4);   (607874.5,
4267219.2,   0.0,   0.0,   5.4);
     (607879.5, 4267219.2,   0.0,   0.0,   5.4);   (607884.5,
4267219.2,   0.0,   0.0,   5.4);
     (607839.5, 4267224.2,   0.0,   0.0,   5.4);   (607844.5,
4267224.2,   0.0,   0.0,   5.4);
     (607849.5, 4267224.2,   0.0,   0.0,   5.4);   (607854.5,
4267224.2,   0.0,   0.0,   5.4);
     (607859.5, 4267224.2,   0.0,   0.0,   5.4);   (607864.5,
4267224.2,   0.0,   0.0,   5.4);
     (607869.5, 4267224.2,   0.0,   0.0,   5.4);   (607874.5,
4267224.2,   0.0,   0.0,   5.4);
     (607879.5, 4267224.2,   0.0,   0.0,   5.4);   (607884.5,
4267224.2,   0.0,   0.0,   5.4);
     (607839.5, 4267229.2,   0.0,   0.0,   5.4);   (607844.5,
4267229.2,   0.0,   0.0,   5.4);
     (607849.5, 4267229.2,   0.0,   0.0,   5.4);   (607854.5,
4267229.2,   0.0,   0.0,   5.4);
     (607859.5, 4267229.2,   0.0,   0.0,   5.4);   (607864.5,
4267229.2,   0.0,   0.0,   5.4);
     (607869.5, 4267229.2,   0.0,   0.0,   5.4);   (607874.5,

UMAll_AERMOD_Mitigated_Output file

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4267229.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267229.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267229.2,       0.0,       0.0,       5.4);
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4267234.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267234.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267234.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267239.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267239.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267244.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267244.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267244.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267244.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267244.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267244.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***       18:29:53

                                    PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 607839.5, 4267249.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267249.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267249.2,       0.0,       0.0,       5.4);         ( 607854.5,
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UMAll_AERMOD_Mitigated_Output file

```
4267249.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267249.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267249.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267249.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267249.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267249.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267249.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267254.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267254.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267254.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267254.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267254.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267254.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267254.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267254.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267254.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267254.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267259.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267259.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267259.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267259.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267259.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267259.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267259.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267259.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267259.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267259.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267264.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267264.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267264.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267264.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267264.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267264.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267264.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267264.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267264.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267264.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267269.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267269.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267269.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267269.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267269.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267269.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267269.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267269.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267269.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267269.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607844.5,
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UMAll_AERMOD_Mitigated_Output file

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4267274.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267274.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267274.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267274.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267274.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267274.2,       0.0,       0.0,       5.4);
     ( 607839.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607844.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 607849.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607854.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 607859.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607864.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 607869.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607874.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 607879.5, 4267279.2,       0.0,       0.0,       5.4);         ( 607884.5,
4267279.2,       0.0,       0.0,       5.4);
     ( 608194.6, 4267085.2,       0.0,       0.0,       5.4);         ( 608199.6,
4267085.2,       0.0,       0.0,       5.4);
     ( 608204.6, 4267085.2,       0.0,       0.0,       5.4);         ( 608309.6,
4267085.2,       0.0,       0.0,       5.4);
     ( 608314.6, 4267085.2,       0.0,       0.0,       5.4);         ( 608184.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608189.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608194.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608199.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608204.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608304.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608309.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608314.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608319.6,
4267090.2,       0.0,       0.0,       5.4);
     ( 608324.6, 4267090.2,       0.0,       0.0,       5.4);         ( 608184.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608189.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608194.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608199.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608204.6,
4267095.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
```

UMAll_AERMOD_Mitigated_Output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 608209.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608304.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608309.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608314.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608319.6, 4267095.2,       0.0,       0.0,       5.4);         ( 608324.6,
4267095.2,       0.0,       0.0,       5.4);
     ( 608184.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608189.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608194.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608199.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608204.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608209.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608214.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608219.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608224.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608304.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608309.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608314.6,
4267100.2,       0.0,       0.0,       5.4);
     ( 608319.6, 4267100.2,       0.0,       0.0,       5.4);         ( 608189.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608194.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608199.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608204.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608209.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608214.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608219.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608224.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608229.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608234.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608239.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608244.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608299.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608304.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608309.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608314.6, 4267105.2,       0.0,       0.0,       5.4);         ( 608319.6,
4267105.2,       0.0,       0.0,       5.4);
     ( 608189.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608194.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608199.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608204.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608209.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608214.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608219.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608224.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608229.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608234.6,
```

UMAll_AERMOD_Mitigated_Output file

```
4267110.2,       0.0,       0.0,       5.4);
     ( 608239.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608244.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608249.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608254.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608259.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608264.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608269.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608274.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608279.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608284.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608289.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608294.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608299.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608304.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608309.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608314.6,
4267110.2,       0.0,       0.0,       5.4);
     ( 608319.6, 4267110.2,       0.0,       0.0,       5.4);         ( 608194.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608199.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608204.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608209.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608214.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608219.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608224.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608229.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608234.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608239.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608244.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608249.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608254.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608259.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608264.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608269.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608274.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608279.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608284.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608289.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608294.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608299.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608304.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608309.6, 4267115.2,       0.0,       0.0,       5.4);         ( 608314.6,
4267115.2,       0.0,       0.0,       5.4);
     ( 608204.6, 4267120.2,       0.0,       0.0,       5.4);         ( 608209.6,
4267120.2,       0.0,       0.0,       5.4);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                           ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_Mitigated_Output file
*** 18:29:53

PAGE 40
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608214.6, 4267120.2, 0.0, 0.0, 5.4); (608219.6, 4267120.2, 0.0, 0.0, 5.4);
(608224.6, 4267120.2, 0.0, 0.0, 5.4); (608229.6, 4267120.2, 0.0, 0.0, 5.4);
(608234.6, 4267120.2, 0.0, 0.0, 5.4); (608239.6, 4267120.2, 0.0, 0.0, 5.4);
(608244.6, 4267120.2, 0.0, 0.0, 5.4); (608249.6, 4267120.2, 0.0, 0.0, 5.4);
(608254.6, 4267120.2, 0.0, 0.0, 5.4); (608259.6, 4267120.2, 0.0, 0.0, 5.4);
(608264.6, 4267120.2, 0.0, 0.0, 5.4); (608269.6, 4267120.2, 0.0, 0.0, 5.4);
(608274.6, 4267120.2, 0.0, 0.0, 5.4); (608279.6, 4267120.2, 0.0, 0.0, 5.4);
(608284.6, 4267120.2, 0.0, 0.0, 5.4); (608289.6, 4267120.2, 0.0, 0.0, 5.4);
(608294.6, 4267120.2, 0.0, 0.0, 5.4); (608299.6, 4267120.2, 0.0, 0.0, 5.4);
(608304.6, 4267120.2, 0.0, 0.0, 5.4); (608309.6, 4267120.2, 0.0, 0.0, 5.4);
(608314.6, 4267120.2, 0.0, 0.0, 5.4); (608229.6, 4267125.2, 0.0, 0.0, 5.4);
(608234.6, 4267125.2, 0.0, 0.0, 5.4); (608239.6, 4267125.2, 0.0, 0.0, 5.4);
(608244.6, 4267125.2, 0.0, 0.0, 5.4); (608249.6, 4267125.2, 0.0, 0.0, 5.4);
(608254.6, 4267125.2, 0.0, 0.0, 5.4); (608259.6, 4267125.2, 0.0, 0.0, 5.4);
(608264.6, 4267125.2, 0.0, 0.0, 5.4); (608269.6, 4267125.2, 0.0, 0.0, 5.4);
(608274.6, 4267125.2, 0.0, 0.0, 5.4); (608279.6, 4267125.2, 0.0, 0.0, 5.4);
(608284.6, 4267125.2, 0.0, 0.0, 5.4); (608289.6, 4267125.2, 0.0, 0.0, 5.4);
(608294.6, 4267125.2, 0.0, 0.0, 5.4); (608299.6, 4267125.2, 0.0, 0.0, 5.4);
(608304.6, 4267125.2, 0.0, 0.0, 5.4); (608309.6, 4267125.2, 0.0, 0.0, 5.4);
(607831.3, 4267190.0, 0.0, 0.0, 9.0); (607836.3,

UMAll_AERMOD_Mitigated_Output file

```
4267190.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267190.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267190.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267190.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267190.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267190.0,       0.0,       0.0,       9.0);         ( 607831.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607836.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267195.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267195.0,       0.0,       0.0,       9.0);
     ( 607831.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607836.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267200.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267200.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267205.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267205.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267205.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267205.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267205.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267210.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267210.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267210.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267210.0,       0.0,       0.0,       9.0);         ( 607876.3,
```

UMAll_AERMOD_Mitigated_Output file
4267210.0, 0.0, 0.0, 9.0);
(607881.3, 4267210.0, 0.0, 0.0, 9.0); (607841.3,
4267215.0, 0.0, 0.0, 9.0);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 41
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607846.3, 4267215.0, 0.0, 0.0, 9.0); (607851.3,
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(607856.3, 4267215.0, 0.0, 0.0, 9.0); (607861.3,
4267215.0, 0.0, 0.0, 9.0);
(607866.3, 4267215.0, 0.0, 0.0, 9.0); (607871.3,
4267215.0, 0.0, 0.0, 9.0);
(607876.3, 4267215.0, 0.0, 0.0, 9.0); (607881.3,
4267215.0, 0.0, 0.0, 9.0);
(607841.3, 4267220.0, 0.0, 0.0, 9.0); (607846.3,
4267220.0, 0.0, 0.0, 9.0);
(607851.3, 4267220.0, 0.0, 0.0, 9.0); (607856.3,
4267220.0, 0.0, 0.0, 9.0);
(607861.3, 4267220.0, 0.0, 0.0, 9.0); (607866.3,
4267220.0, 0.0, 0.0, 9.0);
(607871.3, 4267220.0, 0.0, 0.0, 9.0); (607876.3,
4267220.0, 0.0, 0.0, 9.0);
(607881.3, 4267220.0, 0.0, 0.0, 9.0); (607841.3,
4267225.0, 0.0, 0.0, 9.0);
(607846.3, 4267225.0, 0.0, 0.0, 9.0); (607851.3,
4267225.0, 0.0, 0.0, 9.0);
(607856.3, 4267225.0, 0.0, 0.0, 9.0); (607861.3,
4267225.0, 0.0, 0.0, 9.0);
(607866.3, 4267225.0, 0.0, 0.0, 9.0); (607871.3,
4267225.0, 0.0, 0.0, 9.0);
(607876.3, 4267225.0, 0.0, 0.0, 9.0); (607881.3,
4267225.0, 0.0, 0.0, 9.0);
(607841.3, 4267230.0, 0.0, 0.0, 9.0); (607846.3,
4267230.0, 0.0, 0.0, 9.0);
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4267230.0, 0.0, 0.0, 9.0);
(607861.3, 4267230.0, 0.0, 0.0, 9.0); (607866.3,
4267230.0, 0.0, 0.0, 9.0);
(607871.3, 4267230.0, 0.0, 0.0, 9.0); (607876.3,

UMAll_AERMOD_Mitigated_Output file

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4267230.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267230.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267235.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267235.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267235.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267235.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267235.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267240.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267240.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267240.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267240.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267240.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267245.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267245.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267245.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267245.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267245.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267250.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267250.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267250.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267250.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267250.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267255.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267255.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267255.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267255.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267255.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607846.3,
```

```
4267260.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267260.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267260.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267260.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267260.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267265.0,       0.0,       0.0,       9.0);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 607846.3, 4267265.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267265.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267265.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267265.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267265.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267265.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267265.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267265.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607846.3,
4267270.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267270.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267270.0,       0.0,       0.0,       9.0);
     ( 607871.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607876.3,
4267270.0,       0.0,       0.0,       9.0);
     ( 607881.3, 4267270.0,       0.0,       0.0,       9.0);         ( 607841.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607846.3, 4267275.0,       0.0,       0.0,       9.0);         ( 607851.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607856.3, 4267275.0,       0.0,       0.0,       9.0);         ( 607861.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607866.3, 4267275.0,       0.0,       0.0,       9.0);         ( 607871.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607876.3, 4267275.0,       0.0,       0.0,       9.0);         ( 607881.3,
4267275.0,       0.0,       0.0,       9.0);
     ( 607841.3, 4267280.0,       0.0,       0.0,       9.0);         ( 607846.3,
```

UMAll_AERMOD_Mitigated_Output file

```
4267280.0,       0.0,       0.0,       9.0);
     ( 607851.3, 4267280.0,       0.0,       0.0,       9.0);         ( 607856.3,
4267280.0,       0.0,       0.0,       9.0);
     ( 607861.3, 4267280.0,       0.0,       0.0,       9.0);         ( 607866.3,
4267280.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267087.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267087.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267087.0,       0.0,       0.0,       9.0);         ( 608308.7,
4267087.0,       0.0,       0.0,       9.0);
     ( 608313.7, 4267087.0,       0.0,       0.0,       9.0);         ( 608318.7,
4267087.0,       0.0,       0.0,       9.0);
     ( 608183.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608188.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608208.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608303.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608308.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608313.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608318.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608323.7, 4267092.0,       0.0,       0.0,       9.0);         ( 608328.7,
4267092.0,       0.0,       0.0,       9.0);
     ( 608183.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608188.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608208.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608213.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608308.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608313.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608318.7, 4267097.0,       0.0,       0.0,       9.0);         ( 608323.7,
4267097.0,       0.0,       0.0,       9.0);
     ( 608183.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608188.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608208.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608213.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608218.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608223.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608308.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608313.7,
4267102.0,       0.0,       0.0,       9.0);
     ( 608318.7, 4267102.0,       0.0,       0.0,       9.0);         ( 608323.7,
```

UMAll_AERMOD_Mitigated_Output file

```
4267102.0,       0.0,       0.0,       9.0);
     ( 608183.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608188.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608193.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608198.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608203.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608208.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608213.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608218.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608223.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608228.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608233.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608238.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608243.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608248.7,
4267107.0,       0.0,       0.0,       9.0);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 608253.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608298.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608303.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608308.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608313.7, 4267107.0,       0.0,       0.0,       9.0);         ( 608318.7,
4267107.0,       0.0,       0.0,       9.0);
     ( 608188.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608193.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608198.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608203.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608208.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608213.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608218.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608223.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608228.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608233.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608238.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608243.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608248.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608253.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608258.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608263.7,
```

UMAll_AERMOD_Mitigated_Output file

```
4267112.0,       0.0,       0.0,       9.0);
     ( 608268.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608273.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608278.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608283.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608288.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608293.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608298.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608308.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608313.7,
4267112.0,       0.0,       0.0,       9.0);
     ( 608318.7, 4267112.0,       0.0,       0.0,       9.0);         ( 608193.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608198.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608203.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608208.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608213.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608218.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608223.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608228.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608233.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608238.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608243.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608248.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608253.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608258.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608263.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608268.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608273.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608278.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608283.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608288.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608293.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608298.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608303.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608308.7, 4267117.0,       0.0,       0.0,       9.0);         ( 608313.7,
4267117.0,       0.0,       0.0,       9.0);
     ( 608213.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608218.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608223.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608228.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608233.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608238.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608243.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608248.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608253.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608258.7,
4267122.0,       0.0,       0.0,       9.0);
     ( 608263.7, 4267122.0,       0.0,       0.0,       9.0);         ( 608268.7,
```

UMAll_AERMOD_Mitigated_Output file

4267122.0, 0.0, 0.0, 9.0);
(608273.7, 4267122.0, 0.0, 0.0, 9.0); (608278.7,
4267122.0, 0.0, 0.0, 9.0);
(608283.7, 4267122.0, 0.0, 0.0, 9.0); (608288.7,
4267122.0, 0.0, 0.0, 9.0);
(608293.7, 4267122.0, 0.0, 0.0, 9.0); (608298.7,
4267122.0, 0.0, 0.0, 9.0);
(608303.7, 4267122.0, 0.0, 0.0, 9.0); (608308.7,
4267122.0, 0.0, 0.0, 9.0);
(608313.7, 4267122.0, 0.0, 0.0, 9.0); (608233.7,
4267127.0, 0.0, 0.0, 9.0);
(608238.7, 4267127.0, 0.0, 0.0, 9.0); (608243.7,
4267127.0, 0.0, 0.0, 9.0);
(608248.7, 4267127.0, 0.0, 0.0, 9.0); (608253.7,
4267127.0, 0.0, 0.0, 9.0);
(608258.7, 4267127.0, 0.0, 0.0, 9.0); (608263.7,
4267127.0, 0.0, 0.0, 9.0);
(608268.7, 4267127.0, 0.0, 0.0, 9.0); (608273.7,
4267127.0, 0.0, 0.0, 9.0);
(608278.7, 4267127.0, 0.0, 0.0, 9.0); (608283.7,
4267127.0, 0.0, 0.0, 9.0);
↟ *** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 44
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608288.7, 4267127.0, 0.0, 0.0, 9.0); (608293.7,
4267127.0, 0.0, 0.0, 9.0);
(608298.7, 4267127.0, 0.0, 0.0, 9.0); (608303.7,
4267127.0, 0.0, 0.0, 9.0);
(608165.7, 4267052.2, 0.0, 0.0, 9.0); (608170.7,
4267052.2, 0.0, 0.0, 9.0);
(608175.7, 4267052.2, 0.0, 0.0, 9.0); (608180.7,
4267052.2, 0.0, 0.0, 9.0);
(608185.7, 4267052.2, 0.0, 0.0, 9.0); (608190.7,
4267052.2, 0.0, 0.0, 9.0);
(608195.7, 4267052.2, 0.0, 0.0, 9.0); (608200.7,
4267052.2, 0.0, 0.0, 9.0);
(608205.7, 4267052.2, 0.0, 0.0, 9.0); (608210.7,
4267052.2, 0.0, 0.0, 9.0);
(608215.7, 4267052.2, 0.0, 0.0, 9.0); (608220.7,

UMAll_AERMOD_Mitigated_Output file

```
4267052.2,       0.0,       0.0,       9.0);
     ( 608165.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608170.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608175.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608180.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608185.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608190.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608195.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608200.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608205.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608210.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608215.7, 4267057.2,       0.0,       0.0,       9.0);         ( 608220.7,
4267057.2,       0.0,       0.0,       9.0);
     ( 608165.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608170.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608175.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608180.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608185.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608190.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608195.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608200.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608205.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608210.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608215.7, 4267062.2,       0.0,       0.0,       9.0);         ( 608220.7,
4267062.2,       0.0,       0.0,       9.0);
     ( 608166.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608171.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608176.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608181.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608186.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608191.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608196.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608201.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608206.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608211.5,
4267047.6,       0.0,       0.0,      10.8);
     ( 608216.5, 4267047.6,       0.0,       0.0,      10.8);         ( 608166.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608171.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608176.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608181.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608186.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608191.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608196.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608201.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608206.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608211.5, 4267052.6,       0.0,       0.0,      10.8);         ( 608216.5,
4267052.6,       0.0,       0.0,      10.8);
     ( 608166.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608171.5,
```

UMAll_AERMOD_Mitigated_Output file

```
4267057.6,       0.0,       0.0,      10.8);
     ( 608176.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608181.5,
4267057.6,       0.0,       0.0,      10.8);
     ( 608186.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608191.5,
4267057.6,       0.0,       0.0,      10.8);
     ( 608196.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608201.5,
4267057.6,       0.0,       0.0,      10.8);
     ( 608206.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608211.5,
4267057.6,       0.0,       0.0,      10.8);
     ( 608216.5, 4267057.6,       0.0,       0.0,      10.8);         ( 608166.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608171.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608176.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608181.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608186.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608191.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608196.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608201.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608206.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608211.5, 4267062.6,       0.0,       0.0,      10.8);         ( 608216.5,
4267062.6,       0.0,       0.0,      10.8);
     ( 608162.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608167.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608172.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608177.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608182.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608187.8,
4267051.3,       0.0,       0.0,      12.6);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                  PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 608192.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608197.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608202.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608207.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608212.8, 4267051.3,       0.0,       0.0,      12.6);         ( 608217.8,
4267051.3,       0.0,       0.0,      12.6);
     ( 608162.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608167.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608172.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608177.8,
```

UMAll_AERMOD_Mitigated_Output file

```
4267056.3,       0.0,       0.0,      12.6);
     ( 608182.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608187.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608192.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608197.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608202.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608207.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608212.8, 4267056.3,       0.0,       0.0,      12.6);         ( 608217.8,
4267056.3,       0.0,       0.0,      12.6);
     ( 608162.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608167.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608172.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608177.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608182.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608187.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608192.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608197.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608202.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608207.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608212.8, 4267061.3,       0.0,       0.0,      12.6);         ( 608217.8,
4267061.3,       0.0,       0.0,      12.6);
     ( 608255.8, 4267195.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267195.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267195.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267195.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267195.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267195.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267215.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267215.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267215.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267215.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267215.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267215.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267235.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267235.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267235.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267235.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267235.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267235.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267255.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267255.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267255.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267255.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267255.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267255.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267275.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267275.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267275.0,       0.0,       0.0,       1.8);         ( 608335.8,
```

UMAll_AERMOD_Mitigated_Output file

```
4267275.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267275.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267295.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267295.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267295.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267295.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267295.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267315.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267315.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267315.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267315.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267315.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267335.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267335.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267335.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267335.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267335.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267355.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267355.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267355.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267355.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267355.0,       0.0,       0.0,       1.8);         ( 608175.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608195.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608255.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267375.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267375.0,       0.0,       0.0,       1.8);         ( 608175.8,
4267395.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        18:29:53

                                  PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 608195.8, 4267395.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267395.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267395.0,       0.0,       0.0,       1.8);         ( 608255.8,
```

UMAll_AERMOD_Mitigated_Output file

```
4267395.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267395.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267395.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267395.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267395.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267395.0,       0.0,       0.0,       1.8);         ( 607875.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 607895.8, 4267415.0,       0.0,       0.0,       1.8);         ( 607915.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 607935.8, 4267415.0,       0.0,       0.0,       1.8);         ( 607955.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 607975.8, 4267415.0,       0.0,       0.0,       1.8);         ( 607995.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608015.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608035.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608175.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608195.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608215.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608235.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267415.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267415.0,       0.0,       0.0,       1.8);
     ( 607855.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607875.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 607895.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607915.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 607935.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607955.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 607975.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607995.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608015.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608035.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608055.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608095.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608115.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608135.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608155.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608175.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608195.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608255.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267435.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267435.0,       0.0,       0.0,       1.8);         ( 608335.8,
```

UMAll_AERMOD_Mitigated_Output file

```
4267435.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267435.0,       0.0,       0.0,       1.8);         ( 607855.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 607875.8, 4267455.0,       0.0,       0.0,       1.8);         ( 607895.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 607915.8, 4267455.0,       0.0,       0.0,       1.8);         ( 607935.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 607955.8, 4267455.0,       0.0,       0.0,       1.8);         ( 607975.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 607995.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608015.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608035.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608055.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608075.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608095.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608115.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608135.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608155.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608175.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608195.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608255.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267455.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267455.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267455.0,       0.0,       0.0,       1.8);         ( 607835.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607855.8, 4267475.0,       0.0,       0.0,       1.8);         ( 607875.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607895.8, 4267475.0,       0.0,       0.0,       1.8);         ( 607915.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607935.8, 4267475.0,       0.0,       0.0,       1.8);         ( 607955.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607975.8, 4267475.0,       0.0,       0.0,       1.8);         ( 607995.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608015.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608035.8,
4267475.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                  PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
```

UMAll_AERMOD_Mitigated_Output file
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 608055.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608075.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608095.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608115.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608135.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608155.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608175.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608195.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608215.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608235.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267475.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267475.0,       0.0,       0.0,       1.8);
     ( 607815.8, 4267495.0,       0.0,       0.0,       1.8);         ( 607835.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 607855.8, 4267495.0,       0.0,       0.0,       1.8);         ( 607875.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 607895.8, 4267495.0,       0.0,       0.0,       1.8);         ( 607915.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 607935.8, 4267495.0,       0.0,       0.0,       1.8);         ( 607955.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 607975.8, 4267495.0,       0.0,       0.0,       1.8);         ( 607995.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608015.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608035.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608055.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608075.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608095.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608115.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608135.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608155.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608175.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608195.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608215.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608235.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267495.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267495.0,       0.0,       0.0,       1.8);
     ( 607815.8, 4267515.0,       0.0,       0.0,       1.8);         ( 607835.8,
```

UMAll_AERMOD_Mitigated_Output file

```
4267515.0,       0.0,       0.0,       1.8);
     ( 607855.8, 4267515.0,       0.0,       0.0,       1.8);         ( 607875.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 607895.8, 4267515.0,       0.0,       0.0,       1.8);         ( 607915.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 607935.8, 4267515.0,       0.0,       0.0,       1.8);         ( 607955.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 607975.8, 4267515.0,       0.0,       0.0,       1.8);         ( 607995.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608015.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608035.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608055.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608075.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608095.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608115.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608135.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608155.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608175.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608195.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608215.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608235.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267515.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267515.0,       0.0,       0.0,       1.8);
     ( 607915.8, 4267535.0,       0.0,       0.0,       1.8);         ( 607935.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 607955.8, 4267535.0,       0.0,       0.0,       1.8);         ( 607975.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 607995.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608015.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 608035.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608055.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 608075.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608095.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 608115.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608135.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 608155.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608195.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 608215.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608235.8,
4267535.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267535.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267535.0,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                           ***         06/18/19
 *** AERMET - VERSION  14134 ***   ***
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UMAll_AERMOD_Mitigated_Output file
*** 18:29:53

PAGE 48
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608295.8, 4267535.0, 0.0, 0.0, 1.8); (608315.8, 4267535.0, 0.0, 0.0, 1.8);
(608335.8, 4267535.0, 0.0, 0.0, 1.8); (608355.8, 4267535.0, 0.0, 0.0, 1.8);
(608055.8, 4267555.0, 0.0, 0.0, 1.8); (608075.8, 4267555.0, 0.0, 0.0, 1.8);
(608095.8, 4267555.0, 0.0, 0.0, 1.8); (608115.8, 4267555.0, 0.0, 0.0, 1.8);
(608135.8, 4267555.0, 0.0, 0.0, 1.8); (608155.8, 4267555.0, 0.0, 0.0, 1.8);
(608195.8, 4267555.0, 0.0, 0.0, 1.8); (608215.8, 4267555.0, 0.0, 0.0, 1.8);
(608235.8, 4267555.0, 0.0, 0.0, 1.8); (608255.8, 4267555.0, 0.0, 0.0, 1.8);
(608275.8, 4267555.0, 0.0, 0.0, 1.8); (608295.8, 4267555.0, 0.0, 0.0, 1.8);
(608315.8, 4267555.0, 0.0, 0.0, 1.8); (608335.8, 4267555.0, 0.0, 0.0, 1.8);
(608355.8, 4267555.0, 0.0, 0.0, 1.8); (608195.8, 4267575.0, 0.0, 0.0, 1.8);
(608215.8, 4267575.0, 0.0, 0.0, 1.8); (608235.8, 4267575.0, 0.0, 0.0, 1.8);
(608255.8, 4267575.0, 0.0, 0.0, 1.8); (608275.8, 4267575.0, 0.0, 0.0, 1.8);
(608295.8, 4267575.0, 0.0, 0.0, 1.8); (608315.8, 4267575.0, 0.0, 0.0, 1.8);
(608335.8, 4267575.0, 0.0, 0.0, 1.8); (608355.8, 4267575.0, 0.0, 0.0, 1.8);
(608195.8, 4267595.0, 0.0, 0.0, 1.8); (608215.8, 4267595.0, 0.0, 0.0, 1.8);
(608235.8, 4267595.0, 0.0, 0.0, 1.8); (608255.8, 4267595.0, 0.0, 0.0, 1.8);
(608275.8, 4267595.0, 0.0, 0.0, 1.8); (608295.8, 4267595.0, 0.0, 0.0, 1.8);
(608315.8, 4267595.0, 0.0, 0.0, 1.8); (608335.8, 4267595.0, 0.0, 0.0, 1.8);
(608355.8, 4267595.0, 0.0, 0.0, 1.8); (608195.8, 4267615.0, 0.0, 0.0, 1.8);
(608215.8, 4267615.0, 0.0, 0.0, 1.8); (608235.8,

UMAll_AERMOD_Mitigated_Output file

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4267615.0,       0.0,       0.0,       1.8);
     ( 608255.8, 4267615.0,       0.0,       0.0,       1.8);         ( 608275.8,
4267615.0,       0.0,       0.0,       1.8);
     ( 608295.8, 4267615.0,       0.0,       0.0,       1.8);         ( 608315.8,
4267615.0,       0.0,       0.0,       1.8);
     ( 608335.8, 4267615.0,       0.0,       0.0,       1.8);         ( 608355.8,
4267615.0,       0.0,       0.0,       1.8);
     ( 608195.8, 4267635.0,       0.0,       0.0,       1.8);         ( 608215.8,
4267635.0,       0.0,       0.0,       1.8);
     ( 608235.8, 4267635.0,       0.0,       0.0,       1.8);         ( 608255.8,
4267635.0,       0.0,       0.0,       1.8);
     ( 608275.8, 4267635.0,       0.0,       0.0,       1.8);         ( 608295.8,
4267635.0,       0.0,       0.0,       1.8);
     ( 608315.8, 4267635.0,       0.0,       0.0,       1.8);         ( 608335.8,
4267635.0,       0.0,       0.0,       1.8);
     ( 608355.8, 4267635.0,       0.0,       0.0,       1.8);         ( 607686.9,
4267200.9,       0.0,       0.0,       1.8);
     ( 607706.9, 4267200.9,       0.0,       0.0,       1.8);         ( 607726.9,
4267200.9,       0.0,       0.0,       1.8);
     ( 607746.9, 4267200.9,       0.0,       0.0,       1.8);         ( 607766.9,
4267200.9,       0.0,       0.0,       1.8);
     ( 607786.9, 4267200.9,       0.0,       0.0,       1.8);         ( 607686.9,
4267220.9,       0.0,       0.0,       1.8);
     ( 607706.9, 4267220.9,       0.0,       0.0,       1.8);         ( 607726.9,
4267220.9,       0.0,       0.0,       1.8);
     ( 607746.9, 4267220.9,       0.0,       0.0,       1.8);         ( 607766.9,
4267220.9,       0.0,       0.0,       1.8);
     ( 607786.9, 4267220.9,       0.0,       0.0,       1.8);         ( 607806.9,
4267220.9,       0.0,       0.0,       1.8);
     ( 607686.9, 4267240.9,       0.0,       0.0,       1.8);         ( 607706.9,
4267240.9,       0.0,       0.0,       1.8);
     ( 607726.9, 4267240.9,       0.0,       0.0,       1.8);         ( 607746.9,
4267240.9,       0.0,       0.0,       1.8);
     ( 607766.9, 4267240.9,       0.0,       0.0,       1.8);         ( 607786.9,
4267240.9,       0.0,       0.0,       1.8);
     ( 607806.9, 4267240.9,       0.0,       0.0,       1.8);         ( 607686.9,
4267260.9,       0.0,       0.0,       1.8);
     ( 607706.9, 4267260.9,       0.0,       0.0,       1.8);         ( 607726.9,
4267260.9,       0.0,       0.0,       1.8);
     ( 607746.9, 4267260.9,       0.0,       0.0,       1.8);         ( 607766.9,
4267260.9,       0.0,       0.0,       1.8);
     ( 607786.9, 4267260.9,       0.0,       0.0,       1.8);         ( 607806.9,
4267260.9,       0.0,       0.0,       1.8);
     ( 607686.9, 4267280.9,       0.0,       0.0,       1.8);         ( 607706.9,
4267280.9,       0.0,       0.0,       1.8);
     ( 607726.9, 4267280.9,       0.0,       0.0,       1.8);         ( 607746.9,
4267280.9,       0.0,       0.0,       1.8);
     ( 607766.9, 4267280.9,       0.0,       0.0,       1.8);         ( 607786.9,
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UMAll_AERMOD_Mitigated_Output file
4267280.9, 0.0, 0.0, 1.8);
(607806.9, 4267280.9, 0.0, 0.0, 1.8); (607686.9,
4267300.9, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 49
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(607706.9, 4267300.9, 0.0, 0.0, 1.8); (607726.9,
4267300.9, 0.0, 0.0, 1.8);
(607746.9, 4267300.9, 0.0, 0.0, 1.8); (607766.9,
4267300.9, 0.0, 0.0, 1.8);
(607786.9, 4267300.9, 0.0, 0.0, 1.8); (607706.9,
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(607726.9, 4267320.9, 0.0, 0.0, 1.8); (607746.9,
4267320.9, 0.0, 0.0, 1.8);
(607766.9, 4267320.9, 0.0, 0.0, 1.8); (607786.9,
4267320.9, 0.0, 0.0, 1.8);
(607746.9, 4267340.9, 0.0, 0.0, 1.8); (607766.9,
4267340.9, 0.0, 0.0, 1.8);
(607666.9, 4267380.9, 0.0, 0.0, 1.8); (607686.9,
4267380.9, 0.0, 0.0, 1.8);
(607706.9, 4267380.9, 0.0, 0.0, 1.8); (607726.9,
4267380.9, 0.0, 0.0, 1.8);
(607746.9, 4267380.9, 0.0, 0.0, 1.8); (607766.9,
4267380.9, 0.0, 0.0, 1.8);
(607786.9, 4267380.9, 0.0, 0.0, 1.8); (607666.9,
4267400.9, 0.0, 0.0, 1.8);
(607686.9, 4267400.9, 0.0, 0.0, 1.8); (607706.9,
4267400.9, 0.0, 0.0, 1.8);
(607726.9, 4267400.9, 0.0, 0.0, 1.8); (607746.9,
4267400.9, 0.0, 0.0, 1.8);
(607766.9, 4267400.9, 0.0, 0.0, 1.8); (607786.9,
4267400.9, 0.0, 0.0, 1.8);
(607806.9, 4267400.9, 0.0, 0.0, 1.8); (607826.9,
4267400.9, 0.0, 0.0, 1.8);
(607666.9, 4267420.9, 0.0, 0.0, 1.8); (607686.9,
4267420.9, 0.0, 0.0, 1.8);
(607706.9, 4267420.9, 0.0, 0.0, 1.8); (607726.9,
4267420.9, 0.0, 0.0, 1.8);
(607746.9, 4267420.9, 0.0, 0.0, 1.8); (607766.9,

UMAll_AERMOD_Mitigated_Output file

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4267420.9,       0.0,       0.0,       1.8);
     ( 607786.9, 4267420.9,       0.0,       0.0,       1.8);         ( 607806.9,
4267420.9,       0.0,       0.0,       1.8);
     ( 607826.9, 4267420.9,       0.0,       0.0,       1.8);         ( 607686.9,
4267440.9,       0.0,       0.0,       1.8);
     ( 607706.9, 4267440.9,       0.0,       0.0,       1.8);         ( 607726.9,
4267440.9,       0.0,       0.0,       1.8);
     ( 607746.9, 4267440.9,       0.0,       0.0,       1.8);         ( 607766.9,
4267440.9,       0.0,       0.0,       1.8);
     ( 607786.9, 4267440.9,       0.0,       0.0,       1.8);         ( 607806.9,
4267440.9,       0.0,       0.0,       1.8);
     ( 607726.9, 4267460.9,       0.0,       0.0,       1.8);         ( 607746.9,
4267460.9,       0.0,       0.0,       1.8);
     ( 607766.9, 4267460.9,       0.0,       0.0,       1.8);         ( 607786.9,
4267460.9,       0.0,       0.0,       1.8);
     ( 607806.9, 4267460.9,       0.0,       0.0,       1.8);         ( 607786.9,
4267480.9,       0.0,       0.0,       1.8);
     ( 607885.3, 4266901.7,       0.0,       0.0,       1.8);         ( 607905.3,
4266901.7,       0.0,       0.0,       1.8);
     ( 607925.3, 4266901.7,       0.0,       0.0,       1.8);         ( 607945.3,
4266901.7,       0.0,       0.0,       1.8);
     ( 607985.3, 4266901.7,       0.0,       0.0,       1.8);         ( 607885.3,
4266921.7,       0.0,       0.0,       1.8);
     ( 607905.3, 4266921.7,       0.0,       0.0,       1.8);         ( 607925.3,
4266921.7,       0.0,       0.0,       1.8);
     ( 607945.3, 4266921.7,       0.0,       0.0,       1.8);         ( 607985.3,
4266921.7,       0.0,       0.0,       1.8);
     ( 607885.3, 4266941.7,       0.0,       0.0,       1.8);         ( 607905.3,
4266941.7,       0.0,       0.0,       1.8);
     ( 607925.3, 4266941.7,       0.0,       0.0,       1.8);         ( 607945.3,
4266941.7,       0.0,       0.0,       1.8);
     ( 607965.3, 4266941.7,       0.0,       0.0,       1.8);         ( 607985.3,
4266941.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4266961.7,       0.0,       0.0,       1.8);         ( 607745.3,
4266961.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4266961.7,       0.0,       0.0,       1.8);         ( 607785.3,
4266961.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4266961.7,       0.0,       0.0,       1.8);         ( 607825.3,
4266961.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4266961.7,       0.0,       0.0,       1.8);         ( 607865.3,
4266961.7,       0.0,       0.0,       1.8);
     ( 607885.3, 4266961.7,       0.0,       0.0,       1.8);         ( 607905.3,
4266961.7,       0.0,       0.0,       1.8);
     ( 607925.3, 4266961.7,       0.0,       0.0,       1.8);         ( 607945.3,
4266961.7,       0.0,       0.0,       1.8);
     ( 607965.3, 4266961.7,       0.0,       0.0,       1.8);         ( 607985.3,
4266961.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4266981.7,       0.0,       0.0,       1.8);         ( 607745.3,
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UMAll_AERMOD_Mitigated_Output file

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     ( 607765.3, 4266981.7,       0.0,       0.0,       1.8);         ( 607785.3,
4266981.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4266981.7,       0.0,       0.0,       1.8);         ( 607825.3,
4266981.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4266981.7,       0.0,       0.0,       1.8);         ( 607865.3,
4266981.7,       0.0,       0.0,       1.8);
     ( 607945.3, 4266981.7,       0.0,       0.0,       1.8);         ( 607965.3,
4266981.7,       0.0,       0.0,       1.8);
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 607725.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267001.7,       0.0,       0.0,       1.8);
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4267001.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267001.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267001.7,       0.0,       0.0,       1.8);
     ( 607945.3, 4267001.7,       0.0,       0.0,       1.8);         ( 607965.3,
4267001.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267021.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267021.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267021.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267021.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267021.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267021.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267021.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267021.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267041.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267041.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267041.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267041.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267041.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267041.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267041.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267041.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267061.7,       0.0,       0.0,       1.8);         ( 607745.3,
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UMAll_AERMOD_Mitigated_Output file

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     ( 607765.3, 4267061.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267061.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267061.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267061.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267061.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267061.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267081.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267081.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267081.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267081.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267081.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267081.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267081.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267081.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267101.7,       0.0,       0.0,       1.8);         ( 607745.3,
4267101.7,       0.0,       0.0,       1.8);
     ( 607765.3, 4267101.7,       0.0,       0.0,       1.8);         ( 607785.3,
4267101.7,       0.0,       0.0,       1.8);
     ( 607805.3, 4267101.7,       0.0,       0.0,       1.8);         ( 607825.3,
4267101.7,       0.0,       0.0,       1.8);
     ( 607845.3, 4267101.7,       0.0,       0.0,       1.8);         ( 607865.3,
4267101.7,       0.0,       0.0,       1.8);
     ( 607725.3, 4267121.7,       0.0,       0.0,       1.8);         ( 608160.2,
4266951.3,       0.0,       0.0,       1.8);
     ( 608180.2, 4266951.3,       0.0,       0.0,       1.8);         ( 608200.2,
4266951.3,       0.0,       0.0,       1.8);
     ( 608260.2, 4266951.3,       0.0,       0.0,       1.8);         ( 608280.2,
4266951.3,       0.0,       0.0,       1.8);
     ( 608300.2, 4266951.3,       0.0,       0.0,       1.8);         ( 608320.2,
4266951.3,       0.0,       0.0,       1.8);
     ( 608160.2, 4266971.3,       0.0,       0.0,       1.8);         ( 608180.2,
4266971.3,       0.0,       0.0,       1.8);
     ( 608200.2, 4266971.3,       0.0,       0.0,       1.8);         ( 608365.8,
4266905.8,       0.0,       0.0,       1.8);
     ( 608395.8, 4266905.8,       0.0,       0.0,       1.8);         ( 608425.8,
4266905.8,       0.0,       0.0,       1.8);
     ( 608455.8, 4266905.8,       0.0,       0.0,       1.8);         ( 608485.8,
4266905.8,       0.0,       0.0,       1.8);
     ( 608365.8, 4266935.8,       0.0,       0.0,       1.8);         ( 608395.8,
4266935.8,       0.0,       0.0,       1.8);
     ( 608425.8, 4266935.8,       0.0,       0.0,       1.8);         ( 608455.8,
4266935.8,       0.0,       0.0,       1.8);
     ( 608485.8, 4266935.8,       0.0,       0.0,       1.8);         ( 608365.8,
4266965.8,       0.0,       0.0,       1.8);
     ( 608395.8, 4266965.8,       0.0,       0.0,       1.8);         ( 608425.8,
4266965.8,       0.0,       0.0,       1.8);
     ( 608455.8, 4266965.8,       0.0,       0.0,       1.8);         ( 608485.8,
```

UMAll_AERMOD_Mitigated_Output file

4266965.8, 0.0, 0.0, 1.8);
(608365.8, 4266995.8, 0.0, 0.0, 1.8); (608395.8, 4266995.8, 0.0, 0.0, 1.8);
(608425.8, 4266995.8, 0.0, 0.0, 1.8); (608455.8, 4266995.8, 0.0, 0.0, 1.8);
(608485.8, 4266995.8, 0.0, 0.0, 1.8); (608365.8, 4267025.8, 0.0, 0.0, 1.8);
(608395.8, 4267025.8, 0.0, 0.0, 1.8); (608425.8, 4267025.8, 0.0, 0.0, 1.8);
(608455.8, 4267025.8, 0.0, 0.0, 1.8); (608485.8, 4267025.8, 0.0, 0.0, 1.8);
(608365.8, 4267055.8, 0.0, 0.0, 1.8); (608395.8, 4267055.8, 0.0, 0.0, 1.8);
(608425.8, 4267055.8, 0.0, 0.0, 1.8); (608455.8, 4267055.8, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(608485.8, 4267055.8, 0.0, 0.0, 1.8); (608365.8, 4267085.8, 0.0, 0.0, 1.8);
(608395.8, 4267085.8, 0.0, 0.0, 1.8); (608425.8, 4267085.8, 0.0, 0.0, 1.8);
(608455.8, 4267085.8, 0.0, 0.0, 1.8); (608485.8, 4267085.8, 0.0, 0.0, 1.8);
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - -

UMAll_AERMOD_Mitigated_Output file

ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00D	607904.5	4267338.7	-11.71
Q1QWU00D	607909.5	4267338.7	-15.07
Q1QWU00D	607914.5	4267338.7	-18.12
Q1QWU00D	607919.5	4267338.7	-20.80
Q1QWU00D	607904.5	4267343.7	-8.02
Q1QWU00D	607909.5	4267343.7	-11.14
Q1QWU00D	607914.5	4267343.7	-13.95
Q1QWU00D	607919.5	4267343.7	-16.39
Q1QWU00D	607939.5	4267343.7	-21.40
Q1QWU00D	607944.5	4267343.7	-21.25
Q1QWU00D	607904.5	4267348.7	-4.14
Q1QWU00D	607909.5	4267348.7	-7.04
Q1QWU00D	607914.5	4267348.7	-9.63
Q1QWU00D	607934.5	4267348.7	-16.01
Q1QWU00D	607939.5	4267348.7	-16.40
Q1QWU00D	607944.5	4267348.7	-16.27
Q1QWU00D	607949.5	4267348.7	-15.61
Q1QWU00D	607954.5	4267348.7	-14.44
Q1QWU00D	607959.5	4267348.7	-12.81
Q1QWU00D	607964.5	4267348.7	-10.76
Q1QWU00D	607969.5	4267348.7	-8.33

UMAll_AERMOD_Mitigated_Output file

```
                     Q1QWU00D            607974.5     4267348.7
-5.56
                     Q1QWU00D            607979.5     4267348.7
-2.52
                     Q1QWU00D            607984.5     4267348.7
0.77
                     Q1QWU00D            607904.5     4267353.7
-0.09
                     Q1QWU00D            607909.5     4267353.7
-2.81
                     Q1QWU00D            607914.5     4267353.7
-5.21
                     Q1QWU00D            607934.5     4267353.7
-11.05
                     Q1QWU00D            607939.5     4267353.7
-11.40
                     Q1QWU00D            607944.5     4267353.7
-11.28
                     Q1QWU00D            607949.5     4267353.7
-10.68
                     Q1QWU00D            607954.5     4267353.7
-9.63
                     Q1QWU00D            607959.5     4267353.7
-8.14
                     Q1QWU00D            607964.5     4267353.7
-6.25
                     Q1QWU00D            607969.5     4267353.7
-4.00
                     Q1QWU00D            607974.5     4267353.7
-1.43
                     Q1QWU00D            607934.5     4267358.7
-6.08
                     Q1QWU00D            607939.5     4267358.7
-6.41
                     Q1QWU00D            607944.5     4267358.7
-6.29
                     Q1QWU00D            607949.5     4267358.7
-5.75
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                    * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
```

UMAll_AERMOD_Mitigated_Output file
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00D	607954.5	4267358.7	-4.78
Q1QWU00D	607959.5	4267358.7	-3.41
Q1QWU00D	607964.5	4267358.7	-1.66
Q1QWU00D	607969.5	4267358.7	0.42
Q1QWU00D	607934.5	4267363.7	-1.11
Q1QWU00D	607939.5	4267363.7	-1.41
Q1QWU00D	607944.5	4267363.7	-1.30
Q1QWU00D	607949.5	4267363.7	-0.80
Q1QWU00D	607954.5	4267363.7	0.09
Q1QWU00D	607878.8	4267305.4	-1.60
Q1QWU00D	607878.8	4267310.4	-1.08
Q1QWU00D	607878.8	4267315.4	-0.18
Q1QWU00D	607905.0	4267340.2	-10.97
Q1QWU00D	607910.0	4267340.2	-14.22
Q1QWU00D	607915.0	4267340.2	-17.16
Q1QWU00D	607920.0	4267340.2	-19.73
Q1QWU00D	607905.0	4267345.2	-7.19
Q1QWU00D	607910.0	4267345.2	-10.21
Q1QWU00D	607915.0	4267345.2	

UMAll_AERMOD_Mitigated_Output file

```
-12.92
                     Q1QWU00D            607920.0     4267345.2
-15.26
                     Q1QWU00D            607930.0     4267345.2
-18.63
                     Q1QWU00D            607935.0     4267345.2
-19.55
                     Q1QWU00D            607940.0     4267345.2
-19.91
                     Q1QWU00D            607945.0     4267345.2
-19.71
                     Q1QWU00D            607900.0     4267350.2
-0.15
                     Q1QWU00D            607905.0     4267350.2
-3.23
                     Q1QWU00D            607910.0     4267350.2
-6.05
                     Q1QWU00D            607915.0     4267350.2
-8.55
                     Q1QWU00D            607935.0     4267350.2
-14.59
                     Q1QWU00D            607940.0     4267350.2
-14.91
                     Q1QWU00D            607945.0     4267350.2
-14.73
                     Q1QWU00D            607950.0     4267350.2
-14.04
                     Q1QWU00D            607955.0     4267350.2
-12.86
                     Q1QWU00D            607960.0     4267350.2
-11.23
                     Q1QWU00D            607965.0     4267350.2
-9.19
                     Q1QWU00D            607970.0     4267350.2
-6.78
                     Q1QWU00D            607975.0     4267350.2
-4.05
                     Q1QWU00D            607980.0     4267350.2
-1.04
                     Q1QWU00D            607905.0     4267355.2
0.87
                     Q1QWU00D            607910.0     4267355.2
-1.76
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***         06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***         18:29:53
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UMAll_AERMOD_Mitigated_Output file
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00D	607915.0	4267355.2	-4.09
Q1QWU00D	607935.0	4267355.2	-9.62
Q1QWU00D	607940.0	4267355.2	-9.91
Q1QWU00D	607945.0	4267355.2	-9.75
Q1QWU00D	607950.0	4267355.2	-9.12
Q1QWU00D	607955.0	4267355.2	-8.05
Q1QWU00D	607960.0	4267355.2	-6.56
Q1QWU00D	607965.0	4267355.2	-4.68
Q1QWU00D	607970.0	4267355.2	-2.45
Q1QWU00D	607975.0	4267355.2	0.10
Q1QWU00D	607915.0	4267360.2	0.46
Q1QWU00D	607935.0	4267360.2	-4.64
Q1QWU00D	607940.0	4267360.2	-4.91
Q1QWU00D	607945.0	4267360.2	-4.76
Q1QWU00D	607950.0	4267360.2	-4.19
Q1QWU00D	607955.0	4267360.2	-3.20

UMAll_AERMOD_Mitigated_Output file

```
     Q1QWU00D            607960.0     4267360.2
-1.83
     Q1QWU00D            607965.0     4267360.2
-0.09
     Q1QWU00D            607935.0     4267365.2
0.34
     Q1QWU00D            607940.0     4267365.2
0.09
     Q1QWU00D            607945.0     4267365.2
0.23
     Q1QWU00D            607950.0     4267365.2
0.76
     Q1QWU00D            607879.8     4267306.3
-2.53
     Q1QWU00D            607884.5     4267274.2
-1.14
     Q1QWU00D            607884.5     4267279.2
-3.16
     Q1QWU00E            607964.5     4267348.7
-1.88
     Q1QWU00E            607969.5     4267348.7
-4.98
     Q1QWU00E            607974.5     4267348.7
-7.80
     Q1QWU00E            607979.5     4267348.7
-10.30
     Q1QWU00E            607984.5     4267348.7
-12.43
     Q1QWU00E            607989.5     4267348.7
-14.15
     Q1QWU00E            607994.5     4267348.7
-15.41
     Q1QWU00E            607999.5     4267348.7
-16.18
     Q1QWU00E            608004.5     4267348.7
-16.42
     Q1QWU00E            608009.5     4267348.7
-16.13
     Q1QWU00E            608014.5     4267348.7
-15.33
     Q1QWU00E            607969.5     4267353.7
-0.88
     Q1QWU00E            607974.5     4267353.7
-3.51
     Q1QWU00E            607979.5     4267353.7
-5.83
     Q1QWU00E            607984.5     4267353.7
-7.79
```

UMAll_AERMOD_Mitigated_Output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00E	607989.5	4267353.7	-9.36
Q1QWU00E	607994.5	4267353.7	-10.51
Q1QWU00E	607999.5	4267353.7	-11.20
Q1QWU00E	608004.5	4267353.7	-11.42
Q1QWU00E	608009.5	4267353.7	-11.16
Q1QWU00E	608014.5	4267353.7	-10.43
Q1QWU00E	607974.5	4267358.7	0.88
Q1QWU00E	607979.5	4267358.7	-1.27
Q1QWU00E	607984.5	4267358.7	-3.09
Q1QWU00E	607989.5	4267358.7	-4.53
Q1QWU00E	607994.5	4267358.7	-5.59
Q1QWU00E	607999.5	4267358.7	-6.22
Q1QWU00E	608004.5	4267358.7	-6.42
Q1QWU00E	608009.5	4267358.7	

-6.18	Q1QWU00E	608014.5	4267358.7
-5.52	Q1QWU00E	607989.5	4267363.7
0.32	Q1QWU00E	607994.5	4267363.7
-0.65	Q1QWU00E	607999.5	4267363.7
-1.23	Q1QWU00E	608004.5	4267363.7
-1.42	Q1QWU00E	608009.5	4267363.7
-1.20	Q1QWU00E	608014.5	4267363.7
-0.59	Q1QWU00E	607965.0	4267350.2
-1.04	Q1QWU00E	607970.0	4267350.2
-4.05	Q1QWU00E	607975.0	4267350.2
-6.78	Q1QWU00E	607980.0	4267350.2
-9.19	Q1QWU00E	607985.0	4267350.2
-11.23	Q1QWU00E	607990.0	4267350.2
-12.86	Q1QWU00E	607995.0	4267350.2
-14.04	Q1QWU00E	608000.0	4267350.2
-14.73	Q1QWU00E	608005.0	4267350.2
-14.91	Q1QWU00E	608010.0	4267350.2
-14.59	Q1QWU00E	608015.0	4267350.2
-13.76	Q1QWU00E	607970.0	4267355.2
0.10	Q1QWU00E	607975.0	4267355.2
-2.45	Q1QWU00E	607980.0	4267355.2
-4.68	Q1QWU00E	607985.0	4267355.2
-6.56	Q1QWU00E	607990.0	4267355.2
-8.05	Q1QWU00E	607995.0	4267355.2

UMAll_AERMOD_Mitigated_Output file
-9.12
Q1QWU00E 608000.0 4267355.2
-9.75
Q1QWU00E 608005.0 4267355.2
-9.91
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00E	608010.0	4267355.2	-9.62
Q1QWU00E	608015.0	4267355.2	-8.86
Q1QWU00E	607980.0	4267360.2	-0.09
Q1QWU00E	607985.0	4267360.2	-1.83
Q1QWU00E	607990.0	4267360.2	-3.20
Q1QWU00E	607995.0	4267360.2	-4.19
Q1QWU00E	608000.0	4267360.2	-4.76
Q1QWU00E	608005.0	4267360.2	-4.91
Q1QWU00E	608010.0	4267360.2	-4.64
Q1QWU00E	608015.0	4267360.2	-3.95
Q1QWU00E	607995.0	4267365.2	0.76

UMAll_AERMOD_Mitigated_Output file

```
     Q1QWU00E            608000.0     4267365.2
0.23
     Q1QWU00E            608005.0     4267365.2
0.09
     Q1QWU00E            608010.0     4267365.2
0.34
     Q1QWU00E            608015.0     4267365.2
0.97
     Q1QWU00F            608080.7     4267346.3
-17.03
     Q1QWU00F            608085.7     4267346.3
-15.41
     Q1QWU00F            608090.7     4267346.3
-13.35
     Q1QWU00F            608095.7     4267346.3
-10.89
     Q1QWU00F            608100.7     4267346.3
-8.09
     Q1QWU00F            608105.7     4267346.3
-5.00
     Q1QWU00F            608110.7     4267346.3
-1.66
     Q1QWU00F            608060.7     4267351.3
-13.30
     Q1QWU00F            608065.7     4267351.3
-13.77
     Q1QWU00F            608070.7     4267351.3
-13.74
     Q1QWU00F            608075.7     4267351.3
-13.21
     Q1QWU00F            608080.7     4267351.3
-12.20
     Q1QWU00F            608085.7     4267351.3
-10.73
     Q1QWU00F            608090.7     4267351.3
-8.85
     Q1QWU00F            608095.7     4267351.3
-6.58
     Q1QWU00F            608100.7     4267351.3
-3.99
     Q1QWU00F            608105.7     4267351.3
-1.10
     Q1QWU00F            608060.7     4267356.3
-8.35
     Q1QWU00F            608065.7     4267356.3
-8.77
     Q1QWU00F            608070.7     4267356.3
-8.75
```

UMAll_AERMOD_Mitigated_Output file
Q1QWU00F 608075.7 4267356.3
-8.27
Q1QWU00F 608080.7 4267356.3
-7.34
Q1QWU00F 608085.7 4267356.3
-6.00
Q1QWU00F 608090.7 4267356.3
-4.26
Q1QWU00F 608095.7 4267356.3
-2.17
↑ *** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 57
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
Q1QWU00F	608100.7	4267356.3	0.25
Q1QWU00F	608060.7	4267361.3	-3.39
Q1QWU00F	608065.7	4267361.3	-3.78
Q1QWU00F	608070.7	4267361.3	-3.75
Q1QWU00F	608075.7	4267361.3	-3.31
Q1QWU00F	608080.7	4267361.3	-2.46
Q1QWU00F	608085.7	4267361.3	-1.23
Q1QWU00F	608090.7	4267361.3	0.38
Q1QWU00F	608071.2	4267345.6	

-19.40	Q1QWU00F	608076.2	4267345.6
-18.74	Q1QWU00F	608081.2	4267345.6
-17.56	Q1QWU00F	608086.2	4267345.6
-15.87	Q1QWU00F	608091.2	4267345.6
-13.74	Q1QWU00F	608096.2	4267345.6
-11.22	Q1QWU00F	608101.2	4267345.6
-8.36	Q1QWU00F	608106.2	4267345.6
-5.21	Q1QWU00F	608111.2	4267345.6
-1.81	Q1QWU00F	608061.2	4267350.6
-14.06	Q1QWU00F	608066.2	4267350.6
-14.49	Q1QWU00F	608071.2	4267350.6
-14.41	Q1QWU00F	608076.2	4267350.6
-13.82	Q1QWU00F	608081.2	4267350.6
-12.75	Q1QWU00F	608086.2	4267350.6
-11.22	Q1QWU00F	608091.2	4267350.6
-9.27	Q1QWU00F	608096.2	4267350.6
-6.95	Q1QWU00F	608101.2	4267350.6
-4.29	Q1QWU00F	608106.2	4267350.6
-1.35	Q1QWU00F	608061.2	4267355.6
-9.11	Q1QWU00F	608066.2	4267355.6
-9.49	Q1QWU00F	608071.2	4267355.6
-9.42	Q1QWU00F	608076.2	4267355.6
-8.89	Q1QWU00F	608081.2	4267355.6
-7.91	Q1QWU00F	608086.2	4267355.6

UMAll_AERMOD_Mitigated_Output file

```
-6.51
                     Q1QWU00F            608091.2     4267355.6
-4.71
                     Q1QWU00F            608096.2     4267355.6
-2.56
                     Q1QWU00F            608101.2     4267355.6
-0.09
                     Q1QWU00F            608061.2     4267360.6
-4.14
                     Q1QWU00F            608066.2     4267360.6
-4.49
                     Q1QWU00F            608071.2     4267360.6
-4.43
                     Q1QWU00F            608076.2     4267360.6
-3.94
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                       ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                    * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                      LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL


                          SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                            ID            XR (METERS)   YR (METERS)
(METERS)
                        - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - -

                     Q1QWU00F            608081.2     4267360.6
-3.04
                     Q1QWU00F            608086.2     4267360.6
-1.75
                     Q1QWU00F            608091.2     4267360.6
-0.09
                     Q1QWU00F            608061.2     4267365.6
0.83
                     Q1QWU00F            608066.2     4267365.6
0.50
                     Q1QWU00F            608071.2     4267365.6
0.57
```

```
     Q1QWU00G            608135.7     4267336.3
-28.58
     Q1QWU00G            608140.7     4267336.3
-27.65
     Q1QWU00G            608145.7     4267336.3
-26.07
     Q1QWU00G            608150.7     4267336.3
-23.92
     Q1QWU00G            608135.7     4267341.3
-23.61
     Q1QWU00G            608140.7     4267341.3
-22.79
     Q1QWU00G            608145.7     4267341.3
-21.39
     Q1QWU00G            608150.7     4267341.3
-19.47
     Q1QWU00G            608085.7     4267346.3
0.52
     Q1QWU00G            608090.7     4267346.3
-2.96
     Q1QWU00G            608095.7     4267346.3
-6.21
     Q1QWU00G            608100.7     4267346.3
-9.20
     Q1QWU00G            608105.7     4267346.3
-11.87
     Q1QWU00G            608110.7     4267346.3
-14.18
     Q1QWU00G            608115.7     4267346.3
-16.08
     Q1QWU00G            608120.7     4267346.3
-17.51
     Q1QWU00G            608125.7     4267346.3
-18.43
     Q1QWU00G            608130.7     4267346.3
-18.81
     Q1QWU00G            608135.7     4267346.3
-18.63
     Q1QWU00G            608140.7     4267346.3
-17.90
     Q1QWU00G            608145.7     4267346.3
-16.65
     Q1QWU00G            608150.7     4267346.3
-14.92
     Q1QWU00G            608090.7     4267351.3
0.82
     Q1QWU00G            608095.7     4267351.3
-2.23
```

UMAll_AERMOD_Mitigated_Output file

```
                    Q1QWU00G            608100.7     4267351.3
-5.01
                    Q1QWU00G            608105.7     4267351.3
-7.49
                    Q1QWU00G            608110.7     4267351.3
-9.61
                    Q1QWU00G            608115.7     4267351.3
-11.34
                    Q1QWU00G            608120.7     4267351.3
-12.64
                    Q1QWU00G            608125.7     4267351.3
-13.47
                    Q1QWU00G            608130.7     4267351.3
-13.81
                    Q1QWU00G            608135.7     4267351.3
-13.65
                    Q1QWU00G            608140.7     4267351.3
-12.99
                    Q1QWU00G            608145.7     4267351.3
-11.86
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                       ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                      ***        18:29:53

                                 PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                  * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                    LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL


                         SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                           ID            XR (METERS)   YR (METERS)
(METERS)
                        - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - -

                    Q1QWU00G            608150.7     4267351.3
-10.28
                    Q1QWU00G            608155.7     4267351.3
-8.29
                    Q1QWU00G            608100.7     4267356.3
-0.71
                    Q1QWU00G            608105.7     4267356.3
```

-3.01	Q1QWU00G	608110.7	4267356.3
-4.97	Q1QWU00G	608115.7	4267356.3
-6.56	Q1QWU00G	608120.7	4267356.3
-7.74	Q1QWU00G	608125.7	4267356.3
-8.50	Q1QWU00G	608130.7	4267356.3
-8.81	Q1QWU00G	608135.7	4267356.3
-8.67	Q1QWU00G	608140.7	4267356.3
-8.07	Q1QWU00G	608145.7	4267356.3
-7.03	Q1QWU00G	608150.7	4267356.3
-5.59	Q1QWU00G	608155.7	4267356.3
-3.75	Q1QWU00G	608110.7	4267361.3
-0.27	Q1QWU00G	608115.7	4267361.3
-1.74	Q1QWU00G	608120.7	4267361.3
-2.83	Q1QWU00G	608125.7	4267361.3
-3.53	Q1QWU00G	608130.7	4267361.3
-3.81	Q1QWU00G	608135.7	4267361.3
-3.68	Q1QWU00G	608140.7	4267361.3
-3.13	Q1QWU00G	608145.7	4267361.3
-2.18	Q1QWU00G	608150.7	4267361.3
-0.84	Q1QWU00G	608155.7	4267361.3
0.86	Q1QWU00G	608192.7	4267315.0
-1.04	Q1QWU00G	608192.7	4267320.0
0.22	Q1QWU00G	608136.2	4267335.6
-29.21	Q1QWU00G	608141.2	4267335.6

UMAll_AERMOD_Mitigated_Output file

```
-28.19
                     Q1QWU00G            608146.2     4267335.6
-26.52
                     Q1QWU00G            608151.2     4267335.6
-24.29
                     Q1QWU00G            608136.2     4267340.6
-24.25
                     Q1QWU00G            608141.2     4267340.6
-23.36
                     Q1QWU00G            608146.2     4267340.6
-21.88
                     Q1QWU00G            608151.2     4267340.6
-19.88
                     Q1QWU00G            608086.2     4267345.6
-0.33
                     Q1QWU00G            608091.2     4267345.6
-3.81
                     Q1QWU00G            608096.2     4267345.6
-7.07
                     Q1QWU00G            608101.2     4267345.6
-10.06
                     Q1QWU00G            608106.2     4267345.6
-12.73
                     Q1QWU00G            608111.2     4267345.6
-15.03
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        18:29:53

                                   PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                    * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                      LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL


                          SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                            ID            XR (METERS)   YR (METERS)
(METERS)
                        - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - -

                     Q1QWU00G            608116.2     4267345.6
-16.91
```

UMAll_AERMOD_Mitigated_Output file

```
     Q1QWU00G            608121.2     4267345.6
-18.31
     Q1QWU00G            608126.2     4267345.6
-19.19
     Q1QWU00G            608131.2     4267345.6
-19.52
     Q1QWU00G            608136.2     4267345.6
-19.28
     Q1QWU00G            608141.2     4267345.6
-18.49
     Q1QWU00G            608146.2     4267345.6
-17.16
     Q1QWU00G            608151.2     4267345.6
-15.36
     Q1QWU00G            608091.2     4267350.6
-0.03
     Q1QWU00G            608096.2     4267350.6
-3.09
     Q1QWU00G            608101.2     4267350.6
-5.87
     Q1QWU00G            608106.2     4267350.6
-8.34
     Q1QWU00G            608111.2     4267350.6
-10.45
     Q1QWU00G            608116.2     4267350.6
-12.16
     Q1QWU00G            608121.2     4267350.6
-13.43
     Q1QWU00G            608126.2     4267350.6
-14.22
     Q1QWU00G            608131.2     4267350.6
-14.52
     Q1QWU00G            608136.2     4267350.6
-14.30
     Q1QWU00G            608141.2     4267350.6
-13.59
     Q1QWU00G            608146.2     4267350.6
-12.39
     Q1QWU00G            608151.2     4267350.6
-10.75
     Q1QWU00G            608101.2     4267355.6
-1.56
     Q1QWU00G            608106.2     4267355.6
-3.85
     Q1QWU00G            608111.2     4267355.6
-5.80
     Q1QWU00G            608116.2     4267355.6
-7.37
```

UMAll_AERMOD_Mitigated_Output file

```
                    Q1QWU00G            608121.2     4267355.6
-8.53
                    Q1QWU00G            608126.2     4267355.6
-9.25
                    Q1QWU00G            608131.2     4267355.6
-9.52
                    Q1QWU00G            608136.2     4267355.6
-9.32
                    Q1QWU00G            608141.2     4267355.6
-8.67
                    Q1QWU00G            608146.2     4267355.6
-7.58
                    Q1QWU00G            608151.2     4267355.6
-6.08
                    Q1QWU00G            608106.2     4267360.6
0.71
                    Q1QWU00G            608111.2     4267360.6
-1.10
                    Q1QWU00G            608116.2     4267360.6
-2.55
                    Q1QWU00G            608121.2     4267360.6
-3.61
                    Q1QWU00G            608126.2     4267360.6
-4.27
                    Q1QWU00G            608131.2     4267360.6
-4.52
                    Q1QWU00G            608136.2     4267360.6
-4.34
                    Q1QWU00G            608141.2     4267360.6
-3.74
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***         06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***         18:29:53

                                   PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                     LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL


                          SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                            ID            XR (METERS)   YR (METERS)
(METERS)
```

UMAll_AERMOD_Mitigated_Output file
 -
- - -

Q1QWU00G 608146.2 4267360.6
-2.74
Q1QWU00G 608151.2 4267360.6
-1.35
Q1QWU00G 608126.2 4267365.6
0.71
Q1QWU00G 608131.2 4267365.6
0.48
Q1QWU00G 608136.2 4267365.6
0.65
↑ *** AERMOD - VERSION 18081 *** *** University Commons
 *** 06/18/19
 *** AERMET - VERSION 14134 *** ***
 *** 18:29:53

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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***

UMAll_AERMOD_Mitigated_Output file
(METERS/SEC)

1.54, 3.09, 5.14, 8.23,
10.80,
↑ *** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 63
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

Surface file: C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.SFC
Met Version: 14134
Profile file: C:\USERS\JBYRNE\DESKTOP\DAVISM~1\724839\724839.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 93225 Upper air station no.: 23230
Name: SMF Name: UNKNOWN

Year: 2009 Year: 2009

First 24 hours of scalar data
YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN
ALBEDO REF WS WD HT REF TA HT
- -
- - - - - - - - - - - - - - - - - - - -
09 01 01 1 01 -11.7 0.202 -9.000 -9.000 -999. 218. 63.9 0.67 0.69
1.00 1.76 181. 10.0 277.0 2.0
09 01 01 1 02 -5.2 0.089 -9.000 -9.000 -999. 72. 12.7 0.20 0.69
1.00 1.76 128. 10.0 277.5 2.0
09 01 01 1 03 -3.9 0.075 -9.000 -9.000 -999. 49. 9.6 0.09 0.69
1.00 1.76 64. 10.0 277.5 2.0
09 01 01 1 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.27 0.69
1.00 0.00 0. 10.0 277.5 2.0
09 01 01 1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.27 0.69
1.00 0.00 0. 10.0 277.5 2.0
09 01 01 1 06 -5.1 0.089 -9.000 -9.000 -999. 64. 12.6 0.19 0.69
1.00 1.76 352. 10.0 277.5 2.0
09 01 01 1 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.27 0.69
1.00 0.00 0. 10.0 277.0 2.0
09 01 01 1 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.27 0.69

UMAll_AERMOD_Mitigated_Output file

```
1.00    0.00    0.   10.0  277.0    2.0
 09 01 01   1 09   -2.8  0.096 -9.000 -9.000 -999.   71.     28.3  0.04   0.69
0.41    1.76   57.   10.0  277.5    2.0
 09 01 01   1 10    4.7  0.178  0.219  0.014   81.  180.   -107.8  0.04   0.69
0.28    2.36   41.   10.0  277.5    2.0
 09 01 01   1 11   11.9 -9.000 -9.000 -9.000  152. -999. -99999.0  0.27   0.69
0.24    0.00    0.   10.0  277.5    2.0
 09 01 01   1 12   16.0 -9.000 -9.000 -9.000  211. -999. -99999.0  0.27   0.69
0.22    0.00    0.   10.0  278.1    2.0
 09 01 01   1 13   16.6 -9.000 -9.000 -9.000  258. -999. -99999.0  0.27   0.69
0.22    0.00    0.   10.0  278.1    2.0
 09 01 01   1 14   13.7 -9.000 -9.000 -9.000  292. -999. -99999.0  0.27   0.69
0.23    0.00    0.   10.0  278.1    2.0
 09 01 01   1 15    7.6  0.273  0.401  0.016  309.  343.   -244.8  0.67   0.69
0.26    1.76  192.   10.0  278.8    2.0
 09 01 01   1 16   -1.8 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.27   0.69
0.35    0.00    0.   10.0  278.8    2.0
 09 01 01   1 17  -11.2  0.207 -9.000 -9.000 -999.  226.     71.5  0.67   0.69
0.61    1.76  221.   10.0  278.8    2.0
 09 01 01   1 18  -11.5  0.200 -9.000 -9.000 -999.  214.     63.0  0.20   0.69
1.00    2.36  177.   10.0  278.8    2.0
 09 01 01   1 19  -17.9  0.312 -9.000 -9.000 -999.  417.    153.3  0.67   0.69
1.00    2.36  184.   10.0  278.8    2.0
 09 01 01   1 20  -15.0  0.260 -9.000 -9.000 -999.  319.    106.7  0.20   0.69
1.00    2.86  167.   10.0  278.8    2.0
 09 01 01   1 21   -5.1  0.089 -9.000 -9.000 -999.   98.     12.7  0.20   0.69
1.00    1.76  170.   10.0  279.2    2.0
 09 01 01   1 22  -24.4  0.425 -9.000 -9.000 -999.  665.    285.5  0.20   0.69
1.00    4.36  172.   10.0  279.2    2.0
 09 01 01   1 23  -21.3  0.371 -9.000 -9.000 -999.  545.    218.0  0.20   0.69
1.00    3.86  170.   10.0  279.2    2.0
 09 01 01   1 24  -24.4  0.425 -9.000 -9.000 -999.  664.    285.5  0.20   0.69
1.00    4.36  160.   10.0  279.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1  181.    1.76   277.1   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607904.50	4267338.70	0.00372	607909.50	4267338.70	0.00400
607914.50	4267338.70	0.00430	607919.50	4267338.70	0.00464
607904.50	4267343.70	0.00364	607909.50	4267343.70	0.00391
607914.50	4267343.70	0.00419	607919.50	4267343.70	0.00451
607939.50	4267343.70	0.00609	607944.50	4267343.70	0.00658
607904.50	4267348.70	0.00356	607909.50	4267348.70	0.00381
607914.50	4267348.70	0.00409	607934.50	4267348.70	0.00544
607939.50	4267348.70	0.00586	607944.50	4267348.70	0.00631
607949.50	4267348.70	0.00680	607954.50	4267348.70	0.00732
607959.50	4267348.70	0.00787	607964.50	4267348.70	0.00458
607969.50	4267348.70	0.00476	607974.50	4267348.70	0.00495
607979.50	4267348.70	0.00515	607984.50	4267348.70	0.00537
607989.50	4267348.70	0.00829	607994.50	4267348.70	0.00824
607999.50	4267348.70	0.00825	608004.50	4267348.70	0.00833
608009.50	4267348.70	0.00848	608014.50	4267348.70	0.00868
607899.50	4267353.70	0.00674	607904.50	4267353.70	0.00349

UMAll_AERMOD_Mitigated_Output file

```
         607909.50    4267353.70        0.00372                    607914.50
4267353.70        0.00398
         607934.50    4267353.70        0.00525                    607939.50
4267353.70        0.00563
         607944.50    4267353.70        0.00605                    607949.50
4267353.70        0.00649
         607954.50    4267353.70        0.00696                    607959.50
4267353.70        0.00745
         607964.50    4267353.70        0.00796                    607969.50
4267353.70        0.00456
         607974.50    4267353.70        0.00474                    607979.50
4267353.70        0.00804
         607984.50    4267353.70        0.00792                    607989.50
4267353.70        0.00784
         607994.50    4267353.70        0.00781                    607999.50
4267353.70        0.00784
         608004.50    4267353.70        0.00792                    608009.50
4267353.70        0.00805
         608014.50    4267353.70        0.00824                    607899.50
4267358.70        0.00641
         607904.50    4267358.70        0.00691                    607909.50
4267358.70        0.00742
         607934.50    4267358.70        0.00506                    607939.50
4267358.70        0.00542
         607944.50    4267358.70        0.00580                    607949.50
4267358.70        0.00620
         607954.50    4267358.70        0.00662                    607959.50
4267358.70        0.00706
         607964.50    4267358.70        0.00751                    607969.50
4267358.70        0.00796
         607974.50    4267358.70        0.00766                    607979.50
4267358.70        0.00756
         607984.50    4267358.70        0.00747                    607989.50
4267358.70        0.00742
         607994.50    4267358.70        0.00741                    607999.50
4267358.70        0.00744
         608004.50    4267358.70        0.00752                    608009.50
4267358.70        0.00765
         608014.50    4267358.70        0.00781                    607899.50
4267363.70        0.00610
         607904.50    4267363.70        0.00655                    607909.50
4267363.70        0.00700
         607934.50    4267363.70        0.00488                    607939.50
4267363.70        0.00521
         607944.50    4267363.70        0.00555                    607949.50
4267363.70        0.00592
         607954.50    4267363.70        0.00630                    607959.50
4267363.70        0.01024
```

UMAll_AERMOD_Mitigated_Output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 65
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607964.50	4267363.70	0.01041	607969.50	4267363.70	0.01057
607974.50	4267363.70	0.01070	607979.50	4267363.70	0.01083
607984.50	4267363.70	0.01094	607989.50	4267363.70	0.00703
607994.50	4267363.70	0.00703	607999.50	4267363.70	0.00707
608004.50	4267363.70	0.00715	608009.50	4267363.70	0.00727
608014.50	4267363.70	0.00741	607899.50	4267368.70	0.00581
607904.50	4267368.70	0.00621	607909.50	4267368.70	0.00661
607914.50	4267368.70	0.00700	607919.50	4267368.70	0.00738
607924.50	4267368.70	0.00774	607929.50	4267368.70	0.00808
607934.50	4267368.70	0.00839	607939.50	4267368.70	0.00868
607944.50	4267368.70	0.00893	607949.50	4267368.70	0.00915
607954.50	4267368.70	0.00936	607959.50	4267368.70	0.00953

UMAll_AERMOD_Mitigated_Output file

```
         607964.50    4267368.70        0.00969                    607969.50
4267368.70        0.00984
         607974.50    4267368.70        0.00997                    607979.50
4267368.70        0.01008
         607984.50    4267368.70        0.01019                    607989.50
4267368.70        0.01028
         607994.50    4267368.70        0.01035                    607999.50
4267368.70        0.01041
         608004.50    4267368.70        0.01046                    608009.50
4267368.70        0.01049
         608014.50    4267368.70        0.01050                    607899.50
4267373.70        0.00555
         607904.50    4267373.70        0.00590                    607909.50
4267373.70        0.00626
         607914.50    4267373.70        0.00661                    607919.50
4267373.70        0.00695
         607924.50    4267373.70        0.00727                    607929.50
4267373.70        0.00757
         607934.50    4267373.70        0.00785                    607939.50
4267373.70        0.00811
         607944.50    4267373.70        0.00834                    607949.50
4267373.70        0.00855
         607954.50    4267373.70        0.00873                    607959.50
4267373.70        0.00890
         607964.50    4267373.70        0.00905                    607969.50
4267373.70        0.00918
         607974.50    4267373.70        0.00930                    607979.50
4267373.70        0.00941
         607984.50    4267373.70        0.00951                    607989.50
4267373.70        0.00959
         607994.50    4267373.70        0.00966                    607999.50
4267373.70        0.00971
         608004.50    4267373.70        0.00975                    608009.50
4267373.70        0.00978
         608014.50    4267373.70        0.00980                    607894.50
4267378.70        0.00498
         607899.50    4267378.70        0.00530                    607904.50
4267378.70        0.00562
         607909.50    4267378.70        0.00594                    607914.50
4267378.70        0.00625
         607919.50    4267378.70        0.00656                    607924.50
4267378.70        0.00685
         607929.50    4267378.70        0.00712                    607934.50
4267378.70        0.00737
         607939.50    4267378.70        0.00760                    607944.50
4267378.70        0.00781
         607949.50    4267378.70        0.00801                    607954.50
4267378.70        0.00818
```

UMAll_AERMOD_Mitigated_Output file

```
         607959.50    4267378.70        0.00833                      607964.50
4267378.70        0.00847
         607969.50    4267378.70        0.00860                      607974.50
4267378.70        0.00871
         607979.50    4267378.70        0.00881                      607984.50
4267378.70        0.00890
         607989.50    4267378.70        0.00897                      607994.50
4267378.70        0.00903
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        18:29:53

                                    PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607999.50    4267378.70        0.00908                      608004.50
4267378.70        0.00912
         608009.50    4267378.70        0.00915                      608014.50
4267378.70        0.00916
         607889.50    4267383.70        0.00449                      607894.50
4267383.70        0.00477
         607899.50    4267383.70        0.00506                      607904.50
4267383.70        0.00535
         607909.50    4267383.70        0.00564                      607914.50
4267383.70        0.00593
         607919.50    4267383.70        0.00620                      607924.50
4267383.70        0.00646
         607929.50    4267383.70        0.00671                      607934.50
4267383.70        0.00694
         607939.50    4267383.70        0.00715                      607944.50
4267383.70        0.00734
```

UMAll_AERMOD_Mitigated_Output file

```
         607949.50    4267383.70        0.00752                    607954.50
4267383.70        0.00768
         607959.50    4267383.70        0.00782                    607964.50
4267383.70        0.00795
         607969.50    4267383.70        0.00807                    607974.50
4267383.70        0.00817
         607979.50    4267383.70        0.00826                    607984.50
4267383.70        0.00834
         607989.50    4267383.70        0.00841                    607994.50
4267383.70        0.00847
         607999.50    4267383.70        0.00852                    608004.50
4267383.70        0.00855
         608009.50    4267383.70        0.00858                    608014.50
4267383.70        0.00859
         607889.50    4267388.70        0.00432                    607894.50
4267388.70        0.00458
         607899.50    4267388.70        0.00485                    607904.50
4267388.70        0.00511
         607909.50    4267388.70        0.00537                    607914.50
4267388.70        0.00563
         607919.50    4267388.70        0.00588                    607924.50
4267388.70        0.00611
         607929.50    4267388.70        0.00634                    607934.50
4267388.70        0.00655
         607939.50    4267388.70        0.00674                    607944.50
4267388.70        0.00692
         607949.50    4267388.70        0.00708                    607954.50
4267388.70        0.00723
         607959.50    4267388.70        0.00736                    607964.50
4267388.70        0.00748
         607969.50    4267388.70        0.00759                    607974.50
4267388.70        0.00768
         607979.50    4267388.70        0.00777                    607984.50
4267388.70        0.00785
         607989.50    4267388.70        0.00791                    607994.50
4267388.70        0.00796
         607999.50    4267388.70        0.00801                    608004.50
4267388.70        0.00804
         608009.50    4267388.70        0.00806                    608014.50
4267388.70        0.00807
         607889.50    4267393.70        0.00417                    607894.50
4267393.70        0.00440
         607899.50    4267393.70        0.00464                    607904.50
4267393.70        0.00489
         607909.50    4267393.70        0.00512                    607914.50
4267393.70        0.00536
         607919.50    4267393.70        0.00558                    607924.50
4267393.70        0.00580
```

UMAll_AERMOD_Mitigated_Output file

```
         607929.50    4267393.70        0.00600                      607934.50
4267393.70        0.00619
         607939.50    4267393.70        0.00637                      607944.50
4267393.70        0.00653
         607949.50    4267393.70        0.00668                      607954.50
4267393.70        0.00682
         607959.50    4267393.70        0.00694                      607964.50
4267393.70        0.00705
         607969.50    4267393.70        0.00715                      607974.50
4267393.70        0.00724
         607979.50    4267393.70        0.00732                      607984.50
4267393.70        0.00739
         607989.50    4267393.70        0.00745                      607994.50
4267393.70        0.00750
         607999.50    4267393.70        0.00754                      608004.50
4267393.70        0.00757
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608009.50    4267393.70        0.00759                      608014.50
4267393.70        0.00760
         608135.70    4267336.30        0.00475                      608140.70
4267336.30        0.00432
         608145.70    4267336.30        0.00395                      608150.70
4267336.30        0.00361
         608135.70    4267341.30        0.00453                      608140.70
4267341.30        0.00414
```

UMAll_AERMOD_Mitigated_Output file

```
         608145.70    4267341.30        0.00379                    608150.70
4267341.30        0.00349
         608080.70    4267346.30        0.00814                    608085.70
4267346.30        0.00476
         608090.70    4267346.30        0.00449                    608095.70
4267346.30        0.00424
         608100.70    4267346.30        0.00400                    608105.70
4267346.30        0.00377
         608110.70    4267346.30        0.00355                    608115.70
4267346.30        0.00620
         608120.70    4267346.30        0.00566                    608125.70
4267346.30        0.00517
         608130.70    4267346.30        0.00473                    608135.70
4267346.30        0.00433
         608140.70    4267346.30        0.00397                    608145.70
4267346.30        0.00365
         608150.70    4267346.30        0.00336                    608060.70
4267351.30        0.00784
         608065.70    4267351.30        0.00772                    608070.70
4267351.30        0.00766
         608075.70    4267351.30        0.00765                    608080.70
4267351.30        0.00769
         608085.70    4267351.30        0.00778                    608090.70
4267351.30        0.00427
         608095.70    4267351.30        0.00403                    608100.70
4267351.30        0.00381
         608105.70    4267351.30        0.00359                    608110.70
4267351.30        0.00635
         608115.70    4267351.30        0.00583                    608120.70
4267351.30        0.00535
         608125.70    4267351.30        0.00490                    608130.70
4267351.30        0.00450
         608135.70    4267351.30        0.00413                    608140.70
4267351.30        0.00380
         608145.70    4267351.30        0.00351                    608150.70
4267351.30        0.00324
         608155.70    4267351.30        0.00301                    608060.70
4267356.30        0.00742
         608065.70    4267356.30        0.00732                    608070.70
4267356.30        0.00726
         608075.70    4267356.30        0.00724                    608080.70
4267356.30        0.00727
         608085.70    4267356.30        0.00733                    608090.70
4267356.30        0.00741
         608095.70    4267356.30        0.00751                    608100.70
4267356.30        0.00363
         608105.70    4267356.30        0.00645                    608110.70
4267356.30        0.00595
```

UMAll_AERMOD_Mitigated_Output file

```
         608115.70    4267356.30        0.00548                        608120.70
4267356.30        0.00505
         608125.70    4267356.30        0.00465                        608130.70
4267356.30        0.00428
         608135.70    4267356.30        0.00395                        608140.70
4267356.30        0.00365
         608145.70    4267356.30        0.00338                        608150.70
4267356.30        0.00313
         608155.70    4267356.30        0.00291                        608060.70
4267361.30        0.00703
         608065.70    4267361.30        0.00694                        608070.70
4267361.30        0.00688
         608075.70    4267361.30        0.00686                        608080.70
4267361.30        0.00687
         608085.70    4267361.30        0.00691                        608090.70
4267361.30        0.00696
         608095.70    4267361.30        0.01031                        608100.70
4267361.30        0.01010
         608105.70    4267361.30        0.00987                        608110.70
4267361.30        0.00558
         608115.70    4267361.30        0.00516                        608120.70
4267361.30        0.00477
         608125.70    4267361.30        0.00441                        608130.70
4267361.30        0.00408
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_Mitigated_Output file

```
         608135.70    4267361.30        0.00378                    608140.70
4267361.30        0.00350
         608145.70    4267361.30        0.00325                    608150.70
4267361.30        0.00302
         608155.70    4267361.30        0.00282                    608060.70
4267366.30        0.01055
         608065.70    4267366.30        0.01046                    608070.70
4267366.30        0.01035
         608075.70    4267366.30        0.01022                    608080.70
4267366.30        0.01007
         608085.70    4267366.30        0.00991                    608090.70
4267366.30        0.00974
         608095.70    4267366.30        0.00955                    608100.70
4267366.30        0.00935
         608105.70    4267366.30        0.00913                    608110.70
4267366.30        0.00890
         608115.70    4267366.30        0.00865                    608120.70
4267366.30        0.00838
         608125.70    4267366.30        0.00808                    608130.70
4267366.30        0.00776
         608135.70    4267366.30        0.00741                    608140.70
4267366.30        0.00704
         608145.70    4267366.30        0.00666                    608150.70
4267366.30        0.00626
         608155.70    4267366.30        0.00585                    608060.70
4267371.30        0.00981
         608065.70    4267371.30        0.00972                    608070.70
4267371.30        0.00961
         608075.70    4267371.30        0.00949                    608080.70
4267371.30        0.00936
         608085.70    4267371.30        0.00920                    608090.70
4267371.30        0.00904
         608095.70    4267371.30        0.00886                    608100.70
4267371.30        0.00867
         608105.70    4267371.30        0.00847                    608110.70
4267371.30        0.00825
         608115.70    4267371.30        0.00801                    608120.70
4267371.30        0.00775
         608125.70    4267371.30        0.00748                    608130.70
4267371.30        0.00718
         608135.70    4267371.30        0.00686                    608140.70
4267371.30        0.00653
         608145.70    4267371.30        0.00618                    608150.70
4267371.30        0.00582
         608155.70    4267371.30        0.00546                    608060.70
4267376.30        0.00915
         608065.70    4267376.30        0.00906                    608070.70
4267376.30        0.00896
```

UMAll_AERMOD_Mitigated_Output file

```
         608075.70    4267376.30        0.00884                        608080.70
4267376.30        0.00871
         608085.70    4267376.30        0.00857                        608090.70
4267376.30        0.00842
         608095.70    4267376.30        0.00825                        608100.70
4267376.30        0.00807
         608105.70    4267376.30        0.00787                        608110.70
4267376.30        0.00767
         608115.70    4267376.30        0.00744                        608120.70
4267376.30        0.00720
         608125.70    4267376.30        0.00694                        608130.70
4267376.30        0.00667
         608135.70    4267376.30        0.00638                        608140.70
4267376.30        0.00607
         608145.70    4267376.30        0.00576                        608150.70
4267376.30        0.00543
         608155.70    4267376.30        0.00511                        608060.70
4267381.30        0.00856
         608065.70    4267381.30        0.00847                        608070.70
4267381.30        0.00837
         608075.70    4267381.30        0.00826                        608080.70
4267381.30        0.00814
         608085.70    4267381.30        0.00800                        608090.70
4267381.30        0.00786
         608095.70    4267381.30        0.00770                        608100.70
4267381.30        0.00753
         608105.70    4267381.30        0.00734                        608110.70
4267381.30        0.00715
         608115.70    4267381.30        0.00694                        608120.70
4267381.30        0.00671
         608125.70    4267381.30        0.00647                        608130.70
4267381.30        0.00621
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                    PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_Mitigated_Output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608135.70	4267381.30	0.00595	608140.70	4267381.30	0.00567
608145.70	4267381.30	0.00538	608150.70	4267381.30	0.00509
608155.70	4267381.30	0.00480	608060.70	4267386.30	0.00802
608065.70	4267386.30	0.00794	608070.70	4267386.30	0.00784
608075.70	4267386.30	0.00774	608080.70	4267386.30	0.00762
608085.70	4267386.30	0.00749	608090.70	4267386.30	0.00735
608095.70	4267386.30	0.00720	608100.70	4267386.30	0.00704
608105.70	4267386.30	0.00687	608110.70	4267386.30	0.00668
608115.70	4267386.30	0.00648	608120.70	4267386.30	0.00627
608125.70	4267386.30	0.00605	608130.70	4267386.30	0.00581
608135.70	4267386.30	0.00556	608140.70	4267386.30	0.00531
608145.70	4267386.30	0.00505	608150.70	4267386.30	0.00478
608155.70	4267386.30	0.00452	608060.70	4267391.30	0.00753
608065.70	4267391.30	0.00745	608070.70	4267391.30	0.00736
608075.70	4267391.30	0.00726	608080.70	4267391.30	0.00715
608085.70	4267391.30	0.00703	608090.70	4267391.30	0.00690
608095.70	4267391.30	0.00676	608100.70	4267391.30	0.00660
608105.70	4267391.30	0.00644	608110.70	4267391.30	0.00626
608115.70	4267391.30	0.00608	608120.70	4267391.30	0.00588
608125.70	4267391.30	0.00567	608130.70	4267391.30	0.00545

UMAll_AERMOD_Mitigated_Output file

```
         608135.70    4267391.30        0.00522                        608140.70
4267391.30        0.00499
         608145.70    4267391.30        0.00475                        608150.70
4267391.30        0.00451
         608155.70    4267391.30        0.00427                        608060.70
4267396.30        0.00709
         608065.70    4267396.30        0.00702                        608070.70
4267396.30        0.00693
         608075.70    4267396.30        0.00683                        608080.70
4267396.30        0.00673
         608085.70    4267396.30        0.00661                        608090.70
4267396.30        0.00649
         608095.70    4267396.30        0.00635                        608100.70
4267396.30        0.00621
         608105.70    4267396.30        0.00605                        608110.70
4267396.30        0.00589
         608115.70    4267396.30        0.00571                        608120.70
4267396.30        0.00552
         608125.70    4267396.30        0.00533                        608130.70
4267396.30        0.00513
         608135.70    4267396.30        0.00492                        608140.70
4267396.30        0.00470
         608145.70    4267396.30        0.00448                        608150.70
4267396.30        0.00426
         608155.70    4267396.30        0.00404                        608055.70
4267401.30        0.00676
         608060.70    4267401.30        0.00669                        608065.70
4267401.30        0.00662
         608070.70    4267401.30        0.00654                        608075.70
4267401.30        0.00644
         608080.70    4267401.30        0.00634                        608085.70
4267401.30        0.00623
         608090.70    4267401.30        0.00611                        608095.70
4267401.30        0.00598
         608100.70    4267401.30        0.00585                        608105.70
4267401.30        0.00570
         608110.70    4267401.30        0.00554                        608115.70
4267401.30        0.00538
         608120.70    4267401.30        0.00521                        608125.70
4267401.30        0.00502
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608130.70	4267401.30	0.00483	608135.70	4267401.30	0.00464
608140.70	4267401.30	0.00444	608145.70	4267401.30	0.00424
608150.70	4267401.30	0.00404	608155.70	4267401.30	0.00383
608055.70	4267406.30	0.00639	608060.70	4267406.30	0.00633
608065.70	4267406.30	0.00626	608070.70	4267406.30	0.00618
608075.70	4267406.30	0.00609	608080.70	4267406.30	0.00599
608085.70	4267406.30	0.00589	608090.70	4267406.30	0.00577
608095.70	4267406.30	0.00565	608100.70	4267406.30	0.00552
608105.70	4267406.30	0.00538	608110.70	4267406.30	0.00523
608115.70	4267406.30	0.00508	608120.70	4267406.30	0.00492
608125.70	4267406.30	0.00475	608130.70	4267406.30	0.00457
608135.70	4267406.30	0.00439	608140.70	4267406.30	0.00421
608145.70	4267406.30	0.00402	608150.70	4267406.30	0.00383
608155.70	4267406.30	0.00365	608055.70	4267411.30	0.00605
608060.70	4267411.30	0.00599	608065.70	4267411.30	0.00592
608070.70	4267411.30	0.00585	608075.70	4267411.30	0.00576

UMAll_AERMOD_Mitigated_Output file

```
         608080.70    4267411.30        0.00567                    608085.70
4267411.30        0.00557
         608090.70    4267411.30        0.00546                    608095.70
4267411.30        0.00535
         608100.70    4267411.30        0.00522                    608105.70
4267411.30        0.00509
         608110.70    4267411.30        0.00495                    608115.70
4267411.30        0.00481
         608120.70    4267411.30        0.00465                    608125.70
4267411.30        0.00449
         608130.70    4267411.30        0.00433                    608135.70
4267411.30        0.00416
         608140.70    4267411.30        0.00399                    608145.70
4267411.30        0.00382
         608150.70    4267411.30        0.00365                    608155.70
4267411.30        0.00347
         608055.70    4267416.30        0.00574                    608060.70
4267416.30        0.00568
         608065.70    4267416.30        0.00562                    608070.70
4267416.30        0.00554
         608075.70    4267416.30        0.00546                    608080.70
4267416.30        0.00538
         608085.70    4267416.30        0.00528                    608090.70
4267416.30        0.00518
         608095.70    4267416.30        0.00507                    608100.70
4267416.30        0.00495
         608105.70    4267416.30        0.00482                    608110.70
4267416.30        0.00469
         608115.70    4267416.30        0.00456                    608120.70
4267416.30        0.00441
         608125.70    4267416.30        0.00426                    608130.70
4267416.30        0.00411
         608135.70    4267416.30        0.00395                    608140.70
4267416.30        0.00380
         608145.70    4267416.30        0.00364                    608150.70
4267416.30        0.00348
         608155.70    4267416.30        0.00332                    608055.70
4267421.30        0.00545
         608060.70    4267421.30        0.00540                    608065.70
4267421.30        0.00534
         608070.70    4267421.30        0.00527                    608075.70
4267421.30        0.00519
         608080.70    4267421.30        0.00510                    608085.70
4267421.30        0.00501
         608090.70    4267421.30        0.00491                    608095.70
4267421.30        0.00481
         608100.70    4267421.30        0.00470                    608105.70
4267421.30        0.00458
```

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                         UMAll_AERMOD_Mitigated_Output file
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         608110.70    4267421.30       0.00446                      608115.70
4267421.30        0.00433
         608120.70    4267421.30       0.00419                      608125.70
4267421.30        0.00405
         608130.70    4267421.30       0.00391                      608135.70
4267421.30        0.00376
         608140.70    4267421.30       0.00362                      608145.70
4267421.30        0.00347
         608150.70    4267421.30       0.00332                      608155.70
4267421.30        0.00317
         607829.90    4267188.00       0.00164                      607834.90
4267188.00        0.00172
         607839.90    4267188.00       0.00181                      607844.90
4267188.00        0.00190
         607849.90    4267188.00       0.00200                      607854.90
4267188.00        0.00212
         607859.90    4267188.00       0.00224                      607864.90
4267188.00        0.00237
         607869.90    4267188.00       0.00252                      607874.90
4267188.00        0.00269
         607879.90    4267188.00       0.00287                      607829.90
4267193.00        0.00167
         607834.90    4267193.00       0.00175                      607839.90
4267193.00        0.00184
```

UMAll_AERMOD_Mitigated_Output file

```
         607844.90    4267193.00        0.00194                    607849.90
4267193.00        0.00205
         607854.90    4267193.00        0.00217                    607859.90
4267193.00        0.00229
         607864.90    4267193.00        0.00244                    607869.90
4267193.00        0.00260
         607874.90    4267193.00        0.00277                    607879.90
4267193.00        0.00297
         607829.90    4267198.00        0.00170                    607834.90
4267198.00        0.00179
         607839.90    4267198.00        0.00188                    607844.90
4267198.00        0.00198
         607849.90    4267198.00        0.00209                    607854.90
4267198.00        0.00222
         607859.90    4267198.00        0.00235                    607864.90
4267198.00        0.00250
         607869.90    4267198.00        0.00267                    607874.90
4267198.00        0.00286
         607879.90    4267198.00        0.00307                    607839.90
4267203.00        0.00191
         607844.90    4267203.00        0.00202                    607849.90
4267203.00        0.00214
         607854.90    4267203.00        0.00227                    607859.90
4267203.00        0.00241
         607864.90    4267203.00        0.00257                    607869.90
4267203.00        0.00275
         607874.90    4267203.00        0.00294                    607879.90
4267203.00        0.00317
         607839.90    4267208.00        0.00195                    607844.90
4267208.00        0.00206
         607849.90    4267208.00        0.00218                    607854.90
4267208.00        0.00232
         607859.90    4267208.00        0.00247                    607864.90
4267208.00        0.00264
         607869.90    4267208.00        0.00282                    607874.90
4267208.00        0.00303
         607879.90    4267208.00        0.00327                    607839.90
4267213.00        0.00199
         607844.90    4267213.00        0.00210                    607849.90
4267213.00        0.00223
         607854.90    4267213.00        0.00237                    607859.90
4267213.00        0.00253
         607864.90    4267213.00        0.00270                    607869.90
4267213.00        0.00290
         607874.90    4267213.00        0.00313                    607879.90
4267213.00        0.00338
         607839.90    4267218.00        0.00202                    607844.90
4267218.00        0.00214
```

UMAll_AERMOD_Mitigated_Output file

```
         607849.90    4267218.00        0.00227                        607854.90
4267218.00        0.00242
         607859.90    4267218.00        0.00259                        607864.90
4267218.00        0.00278
         607869.90    4267218.00        0.00299                        607874.90
4267218.00        0.00322
         607879.90    4267218.00        0.00350                        607839.90
4267223.00        0.00206
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        18:29:53

                                    PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607844.90    4267223.00        0.00218                        607849.90
4267223.00        0.00232
         607854.90    4267223.00        0.00248                        607859.90
4267223.00        0.00265
         607864.90    4267223.00        0.00285                        607869.90
4267223.00        0.00307
         607874.90    4267223.00        0.00332                        607879.90
4267223.00        0.00361
         607839.90    4267228.00        0.00209                        607844.90
4267228.00        0.00222
         607849.90    4267228.00        0.00237                        607854.90
4267228.00        0.00253
         607859.90    4267228.00        0.00271                        607864.90
4267228.00        0.00292
         607869.90    4267228.00        0.00316                        607874.90
4267228.00        0.00343
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UMAll_AERMOD_Mitigated_Output file

```
         607879.90    4267228.00        0.00374                    607839.90
4267233.00        0.00213
         607844.90    4267233.00        0.00227                    607849.90
4267233.00        0.00242
         607854.90    4267233.00        0.00259                    607859.90
4267233.00        0.00278
         607864.90    4267233.00        0.00300                    607869.90
4267233.00        0.00325
         607874.90    4267233.00        0.00353                    607879.90
4267233.00        0.00386
         607839.90    4267238.00        0.00217                    607844.90
4267238.00        0.00231
         607849.90    4267238.00        0.00246                    607854.90
4267238.00        0.00264
         607859.90    4267238.00        0.00284                    607864.90
4267238.00        0.00307
         607869.90    4267238.00        0.00334                    607874.90
4267238.00        0.00364
         607879.90    4267238.00        0.00400                    607839.90
4267243.00        0.00220
         607844.90    4267243.00        0.00235                    607849.90
4267243.00        0.00251
         607854.90    4267243.00        0.00270                    607859.90
4267243.00        0.00291
         607864.90    4267243.00        0.00315                    607869.90
4267243.00        0.00343
         607874.90    4267243.00        0.00375                    607879.90
4267243.00        0.00413
         607839.90    4267248.00        0.00224                    607844.90
4267248.00        0.00239
         607849.90    4267248.00        0.00256                    607854.90
4267248.00        0.00275
         607859.90    4267248.00        0.00297                    607864.90
4267248.00        0.00323
         607869.90    4267248.00        0.00352                    607874.90
4267248.00        0.00386
         607879.90    4267248.00        0.00426                    607839.90
4267253.00        0.00227
         607844.90    4267253.00        0.00243                    607849.90
4267253.00        0.00261
         607854.90    4267253.00        0.00281                    607859.90
4267253.00        0.00304
         607864.90    4267253.00        0.00330                    607869.90
4267253.00        0.00361
         607874.90    4267253.00        0.00397                    607879.90
4267253.00        0.00439
         607839.90    4267258.00        0.00231                    607844.90
4267258.00        0.00247
```

UMAll_AERMOD_Mitigated_Output file

```
         607849.90    4267258.00        0.00265                        607854.90
4267258.00        0.00286
         607859.90    4267258.00        0.00310                        607864.90
4267258.00        0.00337
         607869.90    4267258.00        0.00369                        607874.90
4267258.00        0.00407
         607879.90    4267258.00        0.00451                        607839.90
4267263.00        0.00234
         607844.90    4267263.00        0.00251                        607849.90
4267263.00        0.00269
         607854.90    4267263.00        0.00291                        607859.90
4267263.00        0.00315
         607864.90    4267263.00        0.00344                        607869.90
4267263.00        0.00377
         607874.90    4267263.00        0.00416                        607879.90
4267263.00        0.00462
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607839.90    4267268.00        0.00237                        607844.90
4267268.00        0.00254
         607849.90    4267268.00        0.00274                        607854.90
4267268.00        0.00296
         607859.90    4267268.00        0.00321                        607864.90
4267268.00        0.00350
         607869.90    4267268.00        0.00385                        607874.90
4267268.00        0.00425
```

UMAll_AERMOD_Mitigated_Output file

```
         607879.90    4267268.00        0.00472                    607839.90
4267273.00        0.00240
         607844.90    4267273.00        0.00258                    607849.90
4267273.00        0.00278
         607854.90    4267273.00        0.00300                    607859.90
4267273.00        0.00326
         607864.90    4267273.00        0.00356                    607869.90
4267273.00        0.00392
         607874.90    4267273.00        0.00433                    607879.90
4267273.00        0.00481
         607839.90    4267278.00        0.00243                    607844.90
4267278.00        0.00261
         607849.90    4267278.00        0.00281                    607854.90
4267278.00        0.00304
         607859.90    4267278.00        0.00331                    607864.90
4267278.00        0.00362
         607869.90    4267278.00        0.00398                    607874.90
4267278.00        0.00440
         607879.90    4267278.00        0.00489                    607868.80
4267305.40        0.00421
         607873.80    4267305.40        0.00467                    607878.80
4267305.40        0.00281
         607868.80    4267310.40        0.00425                    607873.80
4267310.40        0.00473
         607878.80    4267310.40        0.00279                    607828.80
4267315.40        0.00223
         607833.80    4267315.40        0.00238                    607838.80
4267315.40        0.00254
         607843.80    4267315.40        0.00274                    607848.80
4267315.40        0.00296
         607863.80    4267315.40        0.00387                    607868.80
4267315.40        0.00428
         607873.80    4267315.40        0.00477                    607878.80
4267315.40        0.00276
         607823.80    4267320.40        0.00210                    607828.80
4267320.40        0.00224
         607833.80    4267320.40        0.00238                    607838.80
4267320.40        0.00255
         607843.80    4267320.40        0.00274                    607848.80
4267320.40        0.00297
         607853.80    4267320.40        0.00322                    607858.80
4267320.40        0.00352
         607863.80    4267320.40        0.00387                    607868.80
4267320.40        0.00429
         607873.80    4267320.40        0.00477                    607823.80
4267325.40        0.00211
         607828.80    4267325.40        0.00224                    607833.80
4267325.40        0.00239
```

UMAll_AERMOD_Mitigated_Output file

```
         607838.80    4267325.40        0.00256                       607843.80
4267325.40        0.00275
         607848.80    4267325.40        0.00297                       607853.80
4267325.40        0.00322
         607858.80    4267325.40        0.00352                       607863.80
4267325.40        0.00387
         607868.80    4267325.40        0.00427                       607873.80
4267325.40        0.00475
         607818.80    4267330.40        0.00200                       607823.80
4267330.40        0.00211
         607828.80    4267330.40        0.00224                       607833.80
4267330.40        0.00239
         607838.80    4267330.40        0.00256                       607843.80
4267330.40        0.00275
         607848.80    4267330.40        0.00297                       607853.80
4267330.40        0.00322
         607858.80    4267330.40        0.00351                       607863.80
4267330.40        0.00385
         607868.80    4267330.40        0.00424                       607873.80
4267330.40        0.00470
         607818.80    4267335.40        0.00200                       607823.80
4267335.40        0.00212
         607828.80    4267335.40        0.00225                       607833.80
4267335.40        0.00239
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_Mitigated_Output file

```
         607838.80    4267335.40        0.00256                    607843.80
4267335.40        0.00274
         607848.80    4267335.40        0.00296                    607853.80
4267335.40        0.00321
         607858.80    4267335.40        0.00349                    607863.80
4267335.40        0.00382
         607868.80    4267335.40        0.00420                    607813.80
4267340.40        0.00190
         607818.80    4267340.40        0.00200                    607823.80
4267340.40        0.00211
         607828.80    4267340.40        0.00224                    607833.80
4267340.40        0.00239
         607838.80    4267340.40        0.00255                    607843.80
4267340.40        0.00273
         607848.80    4267340.40        0.00295                    607853.80
4267340.40        0.00319
         607858.80    4267340.40        0.00346                    607863.80
4267340.40        0.00378
         607868.80    4267340.40        0.00415                    607813.80
4267345.40        0.00189
         607818.80    4267345.40        0.00200                    607823.80
4267345.40        0.00211
         607828.80    4267345.40        0.00224                    607833.80
4267345.40        0.00238
         607838.80    4267345.40        0.00254                    607843.80
4267345.40        0.00272
         607848.80    4267345.40        0.00293                    607853.80
4267345.40        0.00316
         607858.80    4267345.40        0.00343                    607863.80
4267345.40        0.00373
         607813.80    4267350.40        0.00189                    607818.80
4267350.40        0.00199
         607823.80    4267350.40        0.00210                    607828.80
4267350.40        0.00223
         607833.80    4267350.40        0.00237                    607838.80
4267350.40        0.00253
         607843.80    4267350.40        0.00270                    607848.80
4267350.40        0.00290
         607853.80    4267350.40        0.00313                    607858.80
4267350.40        0.00339
         607863.80    4267350.40        0.00368                    607818.80
4267355.40        0.00198
         607823.80    4267355.40        0.00210                    607828.80
4267355.40        0.00222
         607833.80    4267355.40        0.00236                    607838.80
4267355.40        0.00251
         607843.80    4267355.40        0.00268                    607848.80
4267355.40        0.00288
```

UMAll_AERMOD_Mitigated_Output file

```
         607853.80    4267355.40        0.00309                        607858.80
4267355.40        0.00334
         607863.80    4267355.40        0.00362                        607828.80
4267360.40        0.00221
         607833.80    4267360.40        0.00234                        607838.80
4267360.40        0.00249
         607843.80    4267360.40        0.00266                        607848.80
4267360.40        0.00284
         607853.80    4267360.40        0.00305                        607858.80
4267360.40        0.00329
         607833.80    4267365.40        0.00232                        607838.80
4267365.40        0.00247
         607843.80    4267365.40        0.00263                        607848.80
4267365.40        0.00281
         607853.80    4267365.40        0.00301                        607858.80
4267365.40        0.00323
         607843.80    4267370.40        0.00260                        607848.80
4267370.40        0.00277
         607853.80    4267370.40        0.00296                        607853.80
4267375.40        0.00291
         608197.70    4267245.00        0.00475                        608202.70
4267245.00        0.00435
         608207.70    4267245.00        0.00398                        608212.70
4267245.00        0.00366
         608217.70    4267245.00        0.00336                        608222.70
4267245.00        0.00310
         608227.70    4267245.00        0.00286                        608232.70
4267245.00        0.00265
         608237.70    4267245.00        0.00245                        608242.70
4267245.00        0.00228
         608247.70    4267245.00        0.00212                        608192.70
4267250.00        0.00527
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_Mitigated_Output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608197.70	4267250.00	0.00480	608202.70	4267250.00	0.00438
608207.70	4267250.00	0.00400	608212.70	4267250.00	0.00366
608217.70	4267250.00	0.00336	608222.70	4267250.00	0.00309
608227.70	4267250.00	0.00284	608232.70	4267250.00	0.00263
608237.70	4267250.00	0.00243	608242.70	4267250.00	0.00226
608247.70	4267250.00	0.00210	608192.70	4267255.00	0.00534
608197.70	4267255.00	0.00485	608202.70	4267255.00	0.00441
608207.70	4267255.00	0.00402	608212.70	4267255.00	0.00366
608217.70	4267255.00	0.00335	608222.70	4267255.00	0.00307
608227.70	4267255.00	0.00283	608232.70	4267255.00	0.00261
608237.70	4267255.00	0.00241	608242.70	4267255.00	0.00224
608247.70	4267255.00	0.00208	608222.70	4267260.00	0.00306
608227.70	4267260.00	0.00281	608232.70	4267260.00	0.00259
608237.70	4267260.00	0.00239	608242.70	4267260.00	0.00221
608247.70	4267260.00	0.00206	608222.70	4267265.00	0.00304
608227.70	4267265.00	0.00278	608232.70	4267265.00	0.00256
608237.70	4267265.00	0.00236	608242.70	4267265.00	0.00219
608247.70	4267265.00	0.00204	608222.70	4267270.00	0.00301
608227.70	4267270.00	0.00276	608232.70	4267270.00	0.00253
608237.70	4267270.00	0.00234	608242.70	4267270.00	0.00217

UMAll_AERMOD_Mitigated_Output file

```
         608247.70    4267270.00        0.00201                        608222.70
4267275.00        0.00298
         608227.70    4267275.00        0.00273                        608232.70
4267275.00        0.00251
         608237.70    4267275.00        0.00231                        608242.70
4267275.00        0.00214
         608247.70    4267275.00        0.00199                        608222.70
4267280.00        0.00295
         608227.70    4267280.00        0.00270                        608232.70
4267280.00        0.00248
         608237.70    4267280.00        0.00228                        608242.70
4267280.00        0.00211
         608247.70    4267280.00        0.00197                        608222.70
4267285.00        0.00292
         608227.70    4267285.00        0.00266                        608232.70
4267285.00        0.00245
         608237.70    4267285.00        0.00226                        608242.70
4267285.00        0.00209
         608247.70    4267285.00        0.00194                        608222.70
4267290.00        0.00288
         608227.70    4267290.00        0.00263                        608232.70
4267290.00        0.00241
         608237.70    4267290.00        0.00223                        608242.70
4267290.00        0.00206
         608247.70    4267290.00        0.00192                        608222.70
4267295.00        0.00284
         608227.70    4267295.00        0.00259                        608232.70
4267295.00        0.00238
         608237.70    4267295.00        0.00220                        608242.70
4267295.00        0.00204
         608247.70    4267295.00        0.00190                        608222.70
4267300.00        0.00280
         608227.70    4267300.00        0.00256                        608232.70
4267300.00        0.00235
         608237.70    4267300.00        0.00217                        608242.70
4267300.00        0.00201
         608247.70    4267300.00        0.00187                        608222.70
4267305.00        0.00275
         608227.70    4267305.00        0.00252                        608232.70
4267305.00        0.00231
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608237.70	4267305.00	0.00214	608242.70	4267305.00	0.00198
608247.70	4267305.00	0.00185	608222.70	4267310.00	0.00270
608227.70	4267310.00	0.00248	608232.70	4267310.00	0.00228
608237.70	4267310.00	0.00211	608242.70	4267310.00	0.00196
608247.70	4267310.00	0.00183	608192.70	4267315.00	0.00210
608197.70	4267315.00	0.00444	608202.70	4267315.00	0.00396
608207.70	4267315.00	0.00355	608212.70	4267315.00	0.00321
608217.70	4267315.00	0.00291	608222.70	4267315.00	0.00265
608227.70	4267315.00	0.00243	608232.70	4267315.00	0.00224
608237.70	4267315.00	0.00208	608242.70	4267315.00	0.00193
608247.70	4267315.00	0.00181	608192.70	4267320.00	0.00206
608197.70	4267320.00	0.00430	608202.70	4267320.00	0.00385
608207.70	4267320.00	0.00346	608212.70	4267320.00	0.00313
608217.70	4267320.00	0.00285	608222.70	4267320.00	0.00260
608227.70	4267320.00	0.00239	608232.70	4267320.00	0.00221
608237.70	4267320.00	0.00205	608242.70	4267320.00	0.00191

UMAll_AERMOD_Mitigated_Output file

```
         608247.70    4267320.00        0.00178                    608192.70
4267325.00        0.00465
         608197.70    4267325.00        0.00416                    608202.70
4267325.00        0.00374
         608207.70    4267325.00        0.00337                    608212.70
4267325.00        0.00306
         608217.70    4267325.00        0.00279                    608222.70
4267325.00        0.00255
         608227.70    4267325.00        0.00235                    608232.70
4267325.00        0.00217
         608237.70    4267325.00        0.00202                    608242.70
4267325.00        0.00188
         608247.70    4267325.00        0.00176                    608192.70
4267330.00        0.00447
         608197.70    4267330.00        0.00402                    608202.70
4267330.00        0.00362
         608207.70    4267330.00        0.00328                    608212.70
4267330.00        0.00298
         608217.70    4267330.00        0.00272                    608222.70
4267330.00        0.00250
         608227.70    4267330.00        0.00231                    608232.70
4267330.00        0.00214
         608237.70    4267330.00        0.00199                    608242.70
4267330.00        0.00186
         608247.70    4267330.00        0.00174                    608252.70
4267330.00        0.00164
         608192.70    4267335.00        0.00430                    608197.70
4267335.00        0.00387
         608202.70    4267335.00        0.00350                    608207.70
4267335.00        0.00318
         608212.70    4267335.00        0.00290                    608217.70
4267335.00        0.00266
         608222.70    4267335.00        0.00245                    608227.70
4267335.00        0.00227
         608232.70    4267335.00        0.00210                    608237.70
4267335.00        0.00196
         608242.70    4267335.00        0.00183                    608247.70
4267335.00        0.00172
         608252.70    4267335.00        0.00162                    608192.70
4267340.00        0.00412
         608197.70    4267340.00        0.00373                    608202.70
4267340.00        0.00339
         608207.70    4267340.00        0.00309                    608212.70
4267340.00        0.00283
         608217.70    4267340.00        0.00260                    608222.70
4267340.00        0.00240
         608227.70    4267340.00        0.00222                    608232.70
4267340.00        0.00207
```

UMAll_AERMOD_Mitigated_Output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 77
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608237.70	4267340.00	0.00193	608242.70	4267340.00	0.00181
608247.70	4267340.00	0.00170	608252.70	4267340.00	0.00160
608257.70	4267340.00	0.00151	608192.70	4267345.00	0.00395
608197.70	4267345.00	0.00359	608202.70	4267345.00	0.00327
608207.70	4267345.00	0.00299	608212.70	4267345.00	0.00275
608217.70	4267345.00	0.00254	608222.70	4267345.00	0.00235
608227.70	4267345.00	0.00218	608232.70	4267345.00	0.00203
608237.70	4267345.00	0.00190	608242.70	4267345.00	0.00178
608247.70	4267345.00	0.00167	608252.70	4267345.00	0.00158
608257.70	4267345.00	0.00149	608192.70	4267350.00	0.00378
608197.70	4267350.00	0.00345	608202.70	4267350.00	0.00316
608207.70	4267350.00	0.00290	608212.70	4267350.00	0.00268

UMAll_AERMOD_Mitigated_Output file

```
         608217.70    4267350.00        0.00247                    608222.70
4267350.00        0.00230
         608227.70    4267350.00        0.00214                    608232.70
4267350.00        0.00200
         608237.70    4267350.00        0.00187                    608242.70
4267350.00        0.00176
         608192.70    4267355.00        0.00363                    608197.70
4267355.00        0.00332
         608202.70    4267355.00        0.00305                    608207.70
4267355.00        0.00281
         608212.70    4267355.00        0.00260                    608217.70
4267355.00        0.00241
         607915.30    4267056.40        0.00170                    607920.30
4267056.40        0.00176
         607925.30    4267056.40        0.00181                    607930.30
4267056.40        0.00187
         607935.30    4267056.40        0.00193                    607940.30
4267056.40        0.00199
         607945.30    4267056.40        0.00205                    607950.30
4267056.40        0.00211
         607955.30    4267056.40        0.00217                    607960.30
4267056.40        0.00223
         607965.30    4267056.40        0.00230                    607970.30
4267056.40        0.00236
         607975.30    4267056.40        0.00242                    607980.30
4267056.40        0.00248
         607985.30    4267056.40        0.00254                    607915.30
4267061.40        0.00175
         607920.30    4267061.40        0.00181                    607925.30
4267061.40        0.00187
         607930.30    4267061.40        0.00193                    607935.30
4267061.40        0.00199
         607940.30    4267061.40        0.00206                    607945.30
4267061.40        0.00212
         607950.30    4267061.40        0.00218                    607955.30
4267061.40        0.00225
         607960.30    4267061.40        0.00231                    607965.30
4267061.40        0.00238
         607970.30    4267061.40        0.00244                    607975.30
4267061.40        0.00251
         607980.30    4267061.40        0.00257                    607985.30
4267061.40        0.00263
         607915.30    4267066.40        0.00180                    607920.30
4267066.40        0.00186
         607925.30    4267066.40        0.00193                    607930.30
4267066.40        0.00199
         607935.30    4267066.40        0.00206                    607940.30
4267066.40        0.00212
```

UMAll_AERMOD_Mitigated_Output file

```
         607945.30    4267066.40        0.00219                        607950.30
4267066.40        0.00226
         607955.30    4267066.40        0.00233                        607960.30
4267066.40        0.00240
         607965.30    4267066.40        0.00246                        607970.30
4267066.40        0.00253
         607975.30    4267066.40        0.00260                        607980.30
4267066.40        0.00267
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        18:29:53

                                    PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607985.30    4267066.40        0.00274                        607915.30
4267071.40        0.00185
         607920.30    4267071.40        0.00192                        607925.30
4267071.40        0.00199
         607930.30    4267071.40        0.00206                        607935.30
4267071.40        0.00213
         607940.30    4267071.40        0.00220                        607945.30
4267071.40        0.00227
         607950.30    4267071.40        0.00234                        607955.30
4267071.40        0.00241
         607960.30    4267071.40        0.00248                        607965.30
4267071.40        0.00256
         607970.30    4267071.40        0.00263                        607975.30
4267071.40        0.00270
         607980.30    4267071.40        0.00277                        607985.30
4267071.40        0.00285
```

UMAll_AERMOD_Mitigated_Output file

```
         607915.30    4267076.40        0.00191                    607920.30
4267076.40        0.00198
         607925.30    4267076.40        0.00205                    607930.30
4267076.40        0.00212
         607935.30    4267076.40        0.00220                    607940.30
4267076.40        0.00227
         607945.30    4267076.40        0.00235                    607950.30
4267076.40        0.00243
         607955.30    4267076.40        0.00250                    607960.30
4267076.40        0.00258
         607965.30    4267076.40        0.00266                    607970.30
4267076.40        0.00273
         607975.30    4267076.40        0.00281                    607980.30
4267076.40        0.00289
         607985.30    4267076.40        0.00296                    607915.30
4267081.40        0.00197
         607920.30    4267081.40        0.00204                    607925.30
4267081.40        0.00212
         607930.30    4267081.40        0.00220                    607935.30
4267081.40        0.00228
         607940.30    4267081.40        0.00236                    607945.30
4267081.40        0.00244
         607950.30    4267081.40        0.00252                    607955.30
4267081.40        0.00260
         607960.30    4267081.40        0.00268                    607965.30
4267081.40        0.00276
         607970.30    4267081.40        0.00285                    607975.30
4267081.40        0.00293
         607980.30    4267081.40        0.00301                    607985.30
4267081.40        0.00309
         607915.30    4267086.40        0.00203                    607920.30
4267086.40        0.00211
         607925.30    4267086.40        0.00219                    607930.30
4267086.40        0.00228
         607935.30    4267086.40        0.00236                    607940.30
4267086.40        0.00244
         607945.30    4267086.40        0.00253                    607950.30
4267086.40        0.00262
         607955.30    4267086.40        0.00270                    607960.30
4267086.40        0.00279
         607965.30    4267086.40        0.00288                    607970.30
4267086.40        0.00297
         607975.30    4267086.40        0.00305                    607980.30
4267086.40        0.00314
         607985.30    4267086.40        0.00322                    607915.30
4267091.40        0.00210
         607920.30    4267091.40        0.00219                    607925.30
4267091.40        0.00227
```

UMAll_AERMOD_Mitigated_Output file

```
         607930.30    4267091.40        0.00236                       607935.30
4267091.40        0.00245
         607940.30    4267091.40        0.00254                       607945.30
4267091.40        0.00263
         607950.30    4267091.40        0.00272                       607955.30
4267091.40        0.00282
         607960.30    4267091.40        0.00291                       607965.30
4267091.40        0.00300
         607970.30    4267091.40        0.00310                       607975.30
4267091.40        0.00319
         607980.30    4267091.40        0.00328                       607985.30
4267091.40        0.00337
         607915.30    4267096.40        0.00217                       607920.30
4267096.40        0.00226
         607925.30    4267096.40        0.00235                       607930.30
4267096.40        0.00245
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607935.30    4267096.40        0.00254                       607940.30
4267096.40        0.00264
         607945.30    4267096.40        0.00274                       607950.30
4267096.40        0.00284
         607955.30    4267096.40        0.00294                       607960.30
4267096.40        0.00304
         607965.30    4267096.40        0.00314                       607970.30
4267096.40        0.00324
```

UMAll_AERMOD_Mitigated_Output file

```
         607975.30    4267096.40        0.00334                    607980.30
4267096.40        0.00343
         607985.30    4267096.40        0.00353                    607915.30
4267101.40        0.00225
         607920.30    4267101.40        0.00235                    607925.30
4267101.40        0.00244
         607930.30    4267101.40        0.00254                    607935.30
4267101.40        0.00264
         607940.30    4267101.40        0.00275                    607945.30
4267101.40        0.00285
         607950.30    4267101.40        0.00296                    607955.30
4267101.40        0.00307
         607960.30    4267101.40        0.00317                    607965.30
4267101.40        0.00328
         607970.30    4267101.40        0.00339                    607975.30
4267101.40        0.00349
         607980.30    4267101.40        0.00360                    607985.30
4267101.40        0.00370
         607915.30    4267106.40        0.00233                    607920.30
4267106.40        0.00243
         607925.30    4267106.40        0.00254                    607930.30
4267106.40        0.00264
         607935.30    4267106.40        0.00275                    607940.30
4267106.40        0.00287
         607945.30    4267106.40        0.00298                    607950.30
4267106.40        0.00309
         607955.30    4267106.40        0.00321                    607960.30
4267106.40        0.00332
         607965.30    4267106.40        0.00344                    607970.30
4267106.40        0.00355
         607975.30    4267106.40        0.00367                    607980.30
4267106.40        0.00378
         607985.30    4267106.40        0.00389                    608194.80
4267085.20        0.00286
         608199.80    4267085.20        0.00278                    608304.80
4267085.20        0.00137
         608309.80    4267085.20        0.00132                    608314.80
4267085.20        0.00127
         608184.80    4267090.20        0.00310                    608189.80
4267090.20        0.00301
         608194.80    4267090.20        0.00293                    608199.80
4267090.20        0.00284
         608204.80    4267090.20        0.00276                    608209.80
4267090.20        0.00267
         608304.80    4267090.20        0.00137                    608309.80
4267090.20        0.00132
         608314.80    4267090.20        0.00127                    608319.80
4267090.20        0.00123
```

UMAll_AERMOD_Mitigated_Output file

```
         608324.80    4267090.20        0.00118                        608179.80
4267095.20        0.00327
         608184.80    4267095.20        0.00318                        608189.80
4267095.20        0.00309
         608194.80    4267095.20        0.00299                        608199.80
4267095.20        0.00290
         608204.80    4267095.20        0.00281                        608209.80
4267095.20        0.00272
         608214.80    4267095.20        0.00264                        608304.80
4267095.20        0.00137
         608309.80    4267095.20        0.00132                        608314.80
4267095.20        0.00127
         608319.80    4267095.20        0.00122                        608324.80
4267095.20        0.00118
         608179.80    4267100.20        0.00335                        608184.80
4267100.20        0.00326
         608189.80    4267100.20        0.00316                        608194.80
4267100.20        0.00306
         608199.80    4267100.20        0.00296                        608204.80
4267100.20        0.00287
         608209.80    4267100.20        0.00277                        608214.80
4267100.20        0.00268
         608219.80    4267100.20        0.00259                        608224.80
4267100.20        0.00250
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
         608229.80    4267100.20        0.00241                    608299.80
4267100.20        0.00142
         608304.80    4267100.20        0.00137                    608309.80
4267100.20        0.00132
         608314.80    4267100.20        0.00127                    608319.80
4267100.20        0.00122
         608324.80    4267100.20        0.00117                    608184.80
4267105.20        0.00334
         608189.80    4267105.20        0.00323                    608194.80
4267105.20        0.00313
         608199.80    4267105.20        0.00303                    608204.80
4267105.20        0.00292
         608209.80    4267105.20        0.00282                    608214.80
4267105.20        0.00273
         608219.80    4267105.20        0.00263                    608224.80
4267105.20        0.00253
         608229.80    4267105.20        0.00244                    608234.80
4267105.20        0.00235
         608239.80    4267105.20        0.00227                    608244.80
4267105.20        0.00218
         608299.80    4267105.20        0.00142                    608304.80
4267105.20        0.00137
         608309.80    4267105.20        0.00131                    608314.80
4267105.20        0.00126
         608319.80    4267105.20        0.00122                    608184.80
4267110.20        0.00342
         608189.80    4267110.20        0.00331                    608194.80
4267110.20        0.00320
         608199.80    4267110.20        0.00309                    608204.80
4267110.20        0.00298
         608209.80    4267110.20        0.00287                    608214.80
4267110.20        0.00277
         608219.80    4267110.20        0.00267                    608224.80
4267110.20        0.00257
         608229.80    4267110.20        0.00247                    608234.80
4267110.20        0.00238
         608239.80    4267110.20        0.00229                    608244.80
4267110.20        0.00220
         608249.80    4267110.20        0.00212                    608254.80
4267110.20        0.00203
         608259.80    4267110.20        0.00195                    608264.80
4267110.20        0.00188
         608269.80    4267110.20        0.00180                    608274.80
4267110.20        0.00173
         608279.80    4267110.20        0.00167                    608284.80
4267110.20        0.00160
         608289.80    4267110.20        0.00154                    608294.80
4267110.20        0.00148
```

UMAll_AERMOD_Mitigated_Output file

```
         608299.80    4267110.20        0.00142                        608304.80
4267110.20        0.00136
         608309.80    4267110.20        0.00131                        608314.80
4267110.20        0.00126
         608319.80    4267110.20        0.00121                        608189.80
4267115.20        0.00338
         608194.80    4267115.20        0.00326                        608199.80
4267115.20        0.00315
         608204.80    4267115.20        0.00303                        608209.80
4267115.20        0.00292
         608214.80    4267115.20        0.00281                        608219.80
4267115.20        0.00271
         608224.80    4267115.20        0.00260                        608229.80
4267115.20        0.00250
         608234.80    4267115.20        0.00241                        608239.80
4267115.20        0.00231
         608244.80    4267115.20        0.00222                        608249.80
4267115.20        0.00213
         608254.80    4267115.20        0.00205                        608259.80
4267115.20        0.00196
         608264.80    4267115.20        0.00189                        608269.80
4267115.20        0.00181
         608274.80    4267115.20        0.00174                        608279.80
4267115.20        0.00167
         608284.80    4267115.20        0.00160                        608289.80
4267115.20        0.00154
         608294.80    4267115.20        0.00148                        608299.80
4267115.20        0.00142
         608304.80    4267115.20        0.00136                        608309.80
4267115.20        0.00131
         608314.80    4267115.20        0.00125                        608189.80
4267120.20        0.00346
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_Mitigated_Output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608194.80	4267120.20	0.00333	608199.80	4267120.20	0.00321
608204.80	4267120.20	0.00309	608209.80	4267120.20	0.00297
608214.80	4267120.20	0.00286	608219.80	4267120.20	0.00274
608224.80	4267120.20	0.00264	608229.80	4267120.20	0.00253
608234.80	4267120.20	0.00243	608239.80	4267120.20	0.00233
608244.80	4267120.20	0.00224	608249.80	4267120.20	0.00215
608254.80	4267120.20	0.00206	608259.80	4267120.20	0.00197
608264.80	4267120.20	0.00189	608269.80	4267120.20	0.00181
608274.80	4267120.20	0.00174	608279.80	4267120.20	0.00167
608284.80	4267120.20	0.00160	608289.80	4267120.20	0.00154
608294.80	4267120.20	0.00147	608299.80	4267120.20	0.00141
608304.80	4267120.20	0.00136	608309.80	4267120.20	0.00130
608314.80	4267120.20	0.00125	608204.80	4267125.20	0.00314
608209.80	4267125.20	0.00302	608214.80	4267125.20	0.00290
608219.80	4267125.20	0.00278	608224.80	4267125.20	0.00267
608229.80	4267125.20	0.00256	608234.80	4267125.20	0.00245
608239.80	4267125.20	0.00235	608244.80	4267125.20	0.00225
608249.80	4267125.20	0.00216	608254.80	4267125.20	0.00207
608259.80	4267125.20	0.00198	608264.80	4267125.20	0.00190
608269.80	4267125.20	0.00182	608274.80	4267125.20	0.00174

UMAll_AERMOD_Mitigated_Output file

```
         608279.80    4267125.20        0.00167                        608284.80
4267125.20        0.00160
         608289.80    4267125.20        0.00153                        608294.80
4267125.20        0.00147
         608299.80    4267125.20        0.00141                        608304.80
4267125.20        0.00135
         608309.80    4267125.20        0.00130                        608314.80
4267125.20        0.00124
         608224.80    4267130.20        0.00270                        608229.80
4267130.20        0.00258
         608234.80    4267130.20        0.00247                        608239.80
4267130.20        0.00237
         608244.80    4267130.20        0.00227                        608249.80
4267130.20        0.00217
         608254.80    4267130.20        0.00208                        608259.80
4267130.20        0.00199
         608264.80    4267130.20        0.00190                        608269.80
4267130.20        0.00182
         608274.80    4267130.20        0.00174                        608279.80
4267130.20        0.00167
         608284.80    4267130.20        0.00160                        608289.80
4267130.20        0.00153
         608294.80    4267130.20        0.00146                        608299.80
4267130.20        0.00140
         608304.80    4267130.20        0.00134                        608309.80
4267130.20        0.00129
         608160.00    4267047.10        0.00271                        608165.00
4267047.10        0.00267
         608170.00    4267047.10        0.00263                        608175.00
4267047.10        0.00258
         608180.00    4267047.10        0.00254                        608185.00
4267047.10        0.00249
         608190.00    4267047.10        0.00244                        608195.00
4267047.10        0.00240
         608200.00    4267047.10        0.00235                        608205.00
4267047.10        0.00230
         608210.00    4267047.10        0.00225                        608215.00
4267047.10        0.00220
         608165.00    4267052.10        0.00274                        608170.00
4267052.10        0.00270
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608175.00	4267052.10	0.00265	608180.00	4267052.10	0.00260
608185.00	4267052.10	0.00256	608190.00	4267052.10	0.00250
608195.00	4267052.10	0.00245	608200.00	4267052.10	0.00240
608205.00	4267052.10	0.00235	608210.00	4267052.10	0.00229
608215.00	4267052.10	0.00224	608220.00	4267052.10	0.00219
608165.00	4267057.10	0.00283	608170.00	4267057.10	0.00278
608175.00	4267057.10	0.00273	608180.00	4267057.10	0.00267
608185.00	4267057.10	0.00262	608190.00	4267057.10	0.00257
608195.00	4267057.10	0.00251	608200.00	4267057.10	0.00246
608205.00	4267057.10	0.00240	608210.00	4267057.10	0.00234
608215.00	4267057.10	0.00229	608220.00	4267057.10	0.00223
608165.00	4267062.10	0.00291	608170.00	4267062.10	0.00286
608175.00	4267062.10	0.00280	608180.00	4267062.10	0.00274
608185.00	4267062.10	0.00269	608190.00	4267062.10	0.00263
608195.00	4267062.10	0.00257	608200.00	4267062.10	0.00251
608205.00	4267062.10	0.00245	608210.00	4267062.10	0.00239

UMAll_AERMOD_Mitigated_Output file

```
         608215.00    4267062.10        0.00233                    608220.00
4267062.10        0.00227
         608200.00    4267067.10        0.00257                    608205.00
4267067.10        0.00250
         608210.00    4267067.10        0.00244                    608215.00
4267067.10        0.00238
         608220.00    4267067.10        0.00231                    608136.20
4267335.60        0.00471
         608141.20    4267335.60        0.00422                    608146.20
4267335.60        0.00379
         608151.20    4267335.60        0.00343                    608136.20
4267340.60        0.00448
         608141.20    4267340.60        0.00404                    608146.20
4267340.60        0.00366
         608151.20    4267340.60        0.00332                    608071.20
4267345.60        0.00794
         608076.20    4267345.60        0.00792                    608081.20
4267345.60        0.00799
         608086.20    4267345.60        0.00479                    608091.20
4267345.60        0.00451
         608096.20    4267345.60        0.00425                    608101.20
4267345.60        0.00400
         608106.20    4267345.60        0.00377                    608111.20
4267345.60        0.00354
         608116.20    4267345.60        0.00639                    608121.20
4267345.60        0.00579
         608126.20    4267345.60        0.00523                    608131.20
4267345.60        0.00473
         608136.20    4267345.60        0.00428                    608141.20
4267345.60        0.00388
         608146.20    4267345.60        0.00353                    608151.20
4267345.60        0.00322
         608061.20    4267350.60        0.00776                    608066.20
4267350.60        0.00760
         608071.20    4267350.60        0.00752                    608076.20
4267350.60        0.00750
         608081.20    4267350.60        0.00755                    608086.20
4267350.60        0.00767
         608091.20    4267350.60        0.00429                    608096.20
4267350.60        0.00405
         608101.20    4267350.60        0.00382                    608106.20
4267350.60        0.00360
         608111.20    4267350.60        0.00654                    608116.20
4267350.60        0.00596
         608121.20    4267350.60        0.00543                    608126.20
4267350.60        0.00494
         608131.20    4267350.60        0.00449                    608136.20
4267350.60        0.00409
```

UMAll_AERMOD_Mitigated_Output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 83
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608141.20	4267350.60	0.00373	608146.20	4267350.60	0.00341
608151.20	4267350.60	0.00312	608061.20	4267355.60	0.00733
608066.20	4267355.60	0.00721	608071.20	4267355.60	0.00713
608076.20	4267355.60	0.00711	608081.20	4267355.60	0.00716
608086.20	4267355.60	0.00723	608091.20	4267355.60	0.00733
608096.20	4267355.60	0.00746	608101.20	4267355.60	0.00366
608106.20	4267355.60	0.00663	608111.20	4267355.60	0.00610
608116.20	4267355.60	0.00559	608121.20	4267355.60	0.00512
608126.20	4267355.60	0.00468	608131.20	4267355.60	0.00428
608136.20	4267355.60	0.00391	608141.20	4267355.60	0.00359
608146.20	4267355.60	0.00330	608151.20	4267355.60	0.00303
608061.20	4267360.60	0.00696	608066.20	4267360.60	0.00684

UMAll_AERMOD_Mitigated_Output file

```
         608071.20    4267360.60        0.00677                    608076.20
4267360.60        0.00676
         608081.20    4267360.60        0.00677                    608086.20
4267360.60        0.00683
         608091.20    4267360.60        0.00690                    608096.20
4267360.60        0.01047
         608101.20    4267360.60        0.01027                    608106.20
4267360.60        0.00620
         608111.20    4267360.60        0.00571                    608116.20
4267360.60        0.00527
         608121.20    4267360.60        0.00485                    608126.20
4267360.60        0.00445
         608131.20    4267360.60        0.00409                    608136.20
4267360.60        0.00376
         608141.20    4267360.60        0.00346                    608146.20
4267360.60        0.00319
         608151.20    4267360.60        0.00295                    608061.20
4267365.60        0.00661
         608066.20    4267365.60        0.00651                    608071.20
4267365.60        0.00645
         608076.20    4267365.60        0.01035                    608081.20
4267365.60        0.01020
         608086.20    4267365.60        0.01005                    608091.20
4267365.60        0.00989
         608096.20    4267365.60        0.00971                    608101.20
4267365.60        0.00951
         608106.20    4267365.60        0.00931                    608111.20
4267365.60        0.00910
         608116.20    4267365.60        0.00886                    608121.20
4267365.60        0.00860
         608126.20    4267365.60        0.00424                    608131.20
4267365.60        0.00392
         608136.20    4267365.60        0.00361                    608141.20
4267365.60        0.00723
         608146.20    4267365.60        0.00682                    608151.20
4267365.60        0.00640
         608061.20    4267370.60        0.00993                    608066.20
4267370.60        0.00985
         608071.20    4267370.60        0.00974                    608076.20
4267370.60        0.00964
         608081.20    4267370.60        0.00950                    608086.20
4267370.60        0.00936
         608091.20    4267370.60        0.00920                    608096.20
4267370.60        0.00903
         608101.20    4267370.60        0.00885                    608106.20
4267370.60        0.00866
         608111.20    4267370.60        0.00845                    608116.20
4267370.60        0.00822
```

UMAll_AERMOD_Mitigated_Output file

```
         608121.20    4267370.60        0.00797                       608126.20
4267370.60        0.00770
         608131.20    4267370.60        0.00739                       608136.20
4267370.60        0.00706
         608141.20    4267370.60        0.00672                       608146.20
4267370.60        0.00635
         608151.20    4267370.60        0.00597                       608061.20
4267375.60        0.00928
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        18:29:53

                                    PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608066.20    4267375.60        0.00920                       608071.20
4267375.60        0.00911
         608076.20    4267375.60        0.00900                       608081.20
4267375.60        0.00888
         608086.20    4267375.60        0.00874                       608091.20
4267375.60        0.00859
         608096.20    4267375.60        0.00843                       608101.20
4267375.60        0.00826
         608106.20    4267375.60        0.00808                       608111.20
4267375.60        0.00788
         608116.20    4267375.60        0.00766                       608121.20
4267375.60        0.00743
         608126.20    4267375.60        0.00717                       608131.20
4267375.60        0.00689
         608136.20    4267375.60        0.00658                       608141.20
4267375.60        0.00626
```

UMAll_AERMOD_Mitigated_Output file

```
         608146.20    4267375.60        0.00593                    608151.20
4267375.60        0.00559
         608061.20    4267380.60        0.00870                    608066.20
4267380.60        0.00863
         608071.20    4267380.60        0.00853                    608076.20
4267380.60        0.00843
         608081.20    4267380.60        0.00832                    608086.20
4267380.60        0.00819
         608091.20    4267380.60        0.00805                    608096.20
4267380.60        0.00790
         608101.20    4267380.60        0.00774                    608106.20
4267380.60        0.00756
         608111.20    4267380.60        0.00737                    608116.20
4267380.60        0.00716
         608121.20    4267380.60        0.00694                    608126.20
4267380.60        0.00670
         608131.20    4267380.60        0.00644                    608136.20
4267380.60        0.00616
         608141.20    4267380.60        0.00587                    608146.20
4267380.60        0.00556
         608151.20    4267380.60        0.00525                    608061.20
4267385.60        0.00818
         608066.20    4267385.60        0.00811                    608071.20
4267385.60        0.00802
         608076.20    4267385.60        0.00792                    608081.20
4267385.60        0.00781
         608086.20    4267385.60        0.00769                    608091.20
4267385.60        0.00756
         608096.20    4267385.60        0.00741                    608101.20
4267385.60        0.00726
         608106.20    4267385.60        0.00709                    608111.20
4267385.60        0.00691
         608116.20    4267385.60        0.00672                    608121.20
4267385.60        0.00651
         608126.20    4267385.60        0.00628                    608131.20
4267385.60        0.00604
         608136.20    4267385.60        0.00578                    608141.20
4267385.60        0.00551
         608146.20    4267385.60        0.00524                    608151.20
4267385.60        0.00495
         608061.20    4267390.60        0.00771                    608066.20
4267390.60        0.00764
         608071.20    4267390.60        0.00756                    608076.20
4267390.60        0.00746
         608081.20    4267390.60        0.00736                    608086.20
4267390.60        0.00724
         608091.20    4267390.60        0.00712                    608096.20
4267390.60        0.00698
```

UMAll_AERMOD_Mitigated_Output file

```
         608101.20    4267390.60        0.00683                       608106.20
4267390.60        0.00667
         608111.20    4267390.60        0.00650                       608116.20
4267390.60        0.00632
         608121.20    4267390.60        0.00612                       608126.20
4267390.60        0.00591
         608131.20    4267390.60        0.00568                       608136.20
4267390.60        0.00544
         608141.20    4267390.60        0.00520                       608146.20
4267390.60        0.00494
         608151.20    4267390.60        0.00468                       608061.20
4267395.60        0.00728
         608066.20    4267395.60        0.00721                       608071.20
4267395.60        0.00713
         608076.20    4267395.60        0.00705                       608081.20
4267395.60        0.00695
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608086.20    4267395.60        0.00684                       608091.20
4267395.60        0.00672
         608096.20    4267395.60        0.00659                       608101.20
4267395.60        0.00645
         608106.20    4267395.60        0.00630                       608111.20
4267395.60        0.00613
         608116.20    4267395.60        0.00596                       608121.20
4267395.60        0.00577
```

UMAll_AERMOD_Mitigated_Output file

```
         608126.20    4267395.60        0.00557                    608131.20
4267395.60        0.00536
         608136.20    4267395.60        0.00514                    608141.20
4267395.60        0.00491
         608146.20    4267395.60        0.00468                    608151.20
4267395.60        0.00444
         608056.20    4267400.60        0.00694                    608061.20
4267400.60        0.00689
         608066.20    4267400.60        0.00682                    608071.20
4267400.60        0.00675
         608076.20    4267400.60        0.00667                    608081.20
4267400.60        0.00657
         608086.20    4267400.60        0.00647                    608091.20
4267400.60        0.00635
         608096.20    4267400.60        0.00623                    608101.20
4267400.60        0.00610
         608106.20    4267400.60        0.00595                    608111.20
4267400.60        0.00580
         608116.20    4267400.60        0.00563                    608121.20
4267400.60        0.00546
         608126.20    4267400.60        0.00527                    608131.20
4267400.60        0.00507
         608136.20    4267400.60        0.00487                    608141.20
4267400.60        0.00466
         608146.20    4267400.60        0.00444                    608151.20
4267400.60        0.00422
         608056.20    4267405.60        0.00658                    608061.20
4267405.60        0.00653
         608066.20    4267405.60        0.00647                    608071.20
4267405.60        0.00640
         608076.20    4267405.60        0.00632                    608081.20
4267405.60        0.00623
         608086.20    4267405.60        0.00613                    608091.20
4267405.60        0.00602
         608096.20    4267405.60        0.00590                    608101.20
4267405.60        0.00577
         608106.20    4267405.60        0.00564                    608111.20
4267405.60        0.00549
         608116.20    4267405.60        0.00533                    608121.20
4267405.60        0.00517
         608126.20    4267405.60        0.00499                    608131.20
4267405.60        0.00481
         608136.20    4267405.60        0.00462                    608141.20
4267405.60        0.00442
         608146.20    4267405.60        0.00422                    608151.20
4267405.60        0.00402
         608056.20    4267410.60        0.00625                    608061.20
4267410.60        0.00620
```

UMAll_AERMOD_Mitigated_Output file

```
         608066.20    4267410.60        0.00614                      608071.20
4267410.60        0.00607
         608076.20    4267410.60        0.00600                      608081.20
4267410.60        0.00591
         608086.20    4267410.60        0.00582                      608091.20
4267410.60        0.00571
         608096.20    4267410.60        0.00560                      608101.20
4267410.60        0.00548
         608106.20    4267410.60        0.00535                      608111.20
4267410.60        0.00521
         608116.20    4267410.60        0.00506                      608121.20
4267410.60        0.00491
         608126.20    4267410.60        0.00474                      608131.20
4267410.60        0.00457
         608136.20    4267410.60        0.00439                      608141.20
4267410.60        0.00421
         608146.20    4267410.60        0.00402                      608151.20
4267410.60        0.00384
         608056.20    4267415.60        0.00595                      608061.20
4267415.60        0.00590
         608066.20    4267415.60        0.00584                      608071.20
4267415.60        0.00578
         608076.20    4267415.60        0.00570                      608081.20
4267415.60        0.00562
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_Mitigated_Output file

```
         608086.20    4267415.60        0.00553                    608091.20
4267415.60        0.00543
         608096.20    4267415.60        0.00532                    608101.20
4267415.60        0.00521
         608106.20    4267415.60        0.00508                    608111.20
4267415.60        0.00495
         608116.20    4267415.60        0.00481                    608121.20
4267415.60        0.00467
         608146.20    4267415.60        0.00384                    608151.20
4267415.60        0.00367
         608056.20    4267420.60        0.00567                    608061.20
4267420.60        0.00562
         608066.20    4267420.60        0.00556                    608071.20
4267420.60        0.00550
         608076.20    4267420.60        0.00543                    608081.20
4267420.60        0.00535
         608086.20    4267420.60        0.00526                    608091.20
4267420.60        0.00517
         607905.00    4267340.20        0.00315                    607910.00
4267340.20        0.00341
         607915.00    4267340.20        0.00369                    607920.00
4267340.20        0.00401
         607905.00    4267345.20        0.00308                    607910.00
4267345.20        0.00333
         607915.00    4267345.20        0.00360                    607920.00
4267345.20        0.00390
         607930.00    4267345.20        0.00460                    607935.00
4267345.20        0.00500
         607940.00    4267345.20        0.00545                    607945.00
4267345.20        0.00594
         607900.00    4267350.20        0.00281                    607905.00
4267350.20        0.00302
         607910.00    4267350.20        0.00326                    607915.00
4267350.20        0.00351
         607935.00    4267350.20        0.00482                    607940.00
4267350.20        0.00523
         607945.00    4267350.20        0.00568                    607950.00
4267350.20        0.00617
         607955.00    4267350.20        0.00669                    607960.00
4267350.20        0.00726
         607965.00    4267350.20        0.00421                    607970.00
4267350.20        0.00438
         607975.00    4267350.20        0.00457                    607980.00
4267350.20        0.00476
         607985.00    4267350.20        0.00807                    607990.00
4267350.20        0.00792
         607995.00    4267350.20        0.00785                    608000.00
4267350.20        0.00782
```

UMAll_AERMOD_Mitigated_Output file

```
         608005.00    4267350.20        0.00787                        608010.00
4267350.20        0.00800
         608015.00    4267350.20        0.00818                        607900.00
4267355.20        0.00599
         607905.00    4267355.20        0.00296                        607910.00
4267355.20        0.00318
         607915.00    4267355.20        0.00343                        607935.00
4267355.20        0.00465
         607940.00    4267355.20        0.00503                        607945.00
4267355.20        0.00544
         607950.00    4267355.20        0.00588                        607955.00
4267355.20        0.00636
         607960.00    4267355.20        0.00685                        607965.00
4267355.20        0.00736
         607970.00    4267355.20        0.00420                        607975.00
4267355.20        0.00438
         607980.00    4267355.20        0.00769                        607985.00
4267355.20        0.00757
         607990.00    4267355.20        0.00746                        607995.00
4267355.20        0.00741
         608000.00    4267355.20        0.00741                        608005.00
4267355.20        0.00747
         608010.00    4267355.20        0.00759                        608015.00
4267355.20        0.00777
         607900.00    4267360.20        0.00569                        607905.00
4267360.20        0.00619
         607910.00    4267360.20        0.00671                        607915.00
4267360.20        0.00334
         607935.00    4267360.20        0.00449                        607940.00
4267360.20        0.00483
         607945.00    4267360.20        0.00521                        607950.00
4267360.20        0.00562
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_Mitigated_Output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607955.00	4267360.20	0.00604	607960.00	4267360.20	0.00649
607965.00	4267360.20	0.00695	607970.00	4267360.20	0.01085
607975.00	4267360.20	0.01102	607980.00	4267360.20	0.00722
607985.00	4267360.20	0.00712	607990.00	4267360.20	0.00706
607995.00	4267360.20	0.00703	608000.00	4267360.20	0.00704
608005.00	4267360.20	0.00710	608010.00	4267360.20	0.00722
608015.00	4267360.20	0.00738	607895.00	4267365.20	0.00498
607900.00	4267365.20	0.00541	607905.00	4267365.20	0.00587
607910.00	4267365.20	0.00632	607935.00	4267365.20	0.00433
607940.00	4267365.20	0.00465	607945.00	4267365.20	0.00500
607950.00	4267365.20	0.00536	607955.00	4267365.20	0.00952
607960.00	4267365.20	0.00973	607965.00	4267365.20	0.00992
607970.00	4267365.20	0.01008	607975.00	4267365.20	0.01023
607980.00	4267365.20	0.01038	607985.00	4267365.20	0.01051
607990.00	4267365.20	0.01063	607995.00	4267365.20	0.00667
608000.00	4267365.20	0.00670	608005.00	4267365.20	0.00677
608010.00	4267365.20	0.00687	608015.00	4267365.20	0.00702
607900.00	4267370.20	0.00516	607905.00	4267370.20	0.00557
607910.00	4267370.20	0.00598	607915.00	4267370.20	0.00639
607920.00	4267370.20	0.00679	607925.00	4267370.20	0.00717

UMAll_AERMOD_Mitigated_Output file

```
         607930.00    4267370.20        0.00753                        607935.00
4267370.20        0.00785
         607940.00    4267370.20        0.00815                        607945.00
4267370.20        0.00842
         607950.00    4267370.20        0.00866                        607955.00
4267370.20        0.00887
         607960.00    4267370.20        0.00906                        607965.00
4267370.20        0.00924
         607970.00    4267370.20        0.00940                        607975.00
4267370.20        0.00954
         607980.00    4267370.20        0.00968                        607985.00
4267370.20        0.00980
         607990.00    4267370.20        0.00990                        607995.00
4267370.20        0.00999
         608000.00    4267370.20        0.01006                        608005.00
4267370.20        0.01011
         608010.00    4267370.20        0.01015                        608015.00
4267370.20        0.01017
         607895.00    4267375.20        0.00458                        607900.00
4267375.20        0.00493
         607905.00    4267375.20        0.00530                        607910.00
4267375.20        0.00567
         607915.00    4267375.20        0.00604                        607920.00
4267375.20        0.00639
         607925.00    4267375.20        0.00674                        607930.00
4267375.20        0.00706
         607935.00    4267375.20        0.00735                        607940.00
4267375.20        0.00763
         607945.00    4267375.20        0.00787                        607950.00
4267375.20        0.00809
         607955.00    4267375.20        0.00829                        607960.00
4267375.20        0.00847
         607965.00    4267375.20        0.00864                        607970.00
4267375.20        0.00879
         607975.00    4267375.20        0.00892                        607980.00
4267375.20        0.00905
         607985.00    4267375.20        0.00916                        607990.00
4267375.20        0.00926
         607995.00    4267375.20        0.00934                        608000.00
4267375.20        0.00941
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608005.00	4267375.20	0.00945	608010.00	4267375.20	0.00949
608015.00	4267375.20	0.00952	607890.00	4267380.20	0.00408
607895.00	4267380.20	0.00440	607900.00	4267380.20	0.00472
607905.00	4267380.20	0.00505	607910.00	4267380.20	0.00539
607915.00	4267380.20	0.00572	607920.00	4267380.20	0.00604
607925.00	4267380.20	0.00635	607930.00	4267380.20	0.00664
607935.00	4267380.20	0.00691	607940.00	4267380.20	0.00716
607945.00	4267380.20	0.00738	607950.00	4267380.20	0.00759
607955.00	4267380.20	0.00778	607960.00	4267380.20	0.00795
607965.00	4267380.20	0.00810	607970.00	4267380.20	0.00824
607975.00	4267380.20	0.00837	607980.00	4267380.20	0.00849
607985.00	4267380.20	0.00859	607990.00	4267380.20	0.00868
607995.00	4267380.20	0.00876	608000.00	4267380.20	0.00882
608005.00	4267380.20	0.00887	608010.00	4267380.20	0.00890
608015.00	4267380.20	0.00893	607890.00	4267385.20	0.00394
607895.00	4267385.20	0.00423	607900.00	4267385.20	0.00452

UMAll_AERMOD_Mitigated_Output file

```
         607905.00    4267385.20        0.00483                    607910.00
4267385.20        0.00513
         607915.00    4267385.20        0.00543                    607920.00
4267385.20        0.00572
         607925.00    4267385.20        0.00600                    607930.00
4267385.20        0.00626
         607935.00    4267385.20        0.00651                    607940.00
4267385.20        0.00674
         607945.00    4267385.20        0.00695                    607950.00
4267385.20        0.00714
         607955.00    4267385.20        0.00731                    607960.00
4267385.20        0.00747
         607965.00    4267385.20        0.00762                    607970.00
4267385.20        0.00775
         607975.00    4267385.20        0.00787                    607980.00
4267385.20        0.00798
         607985.00    4267385.20        0.00808                    607990.00
4267385.20        0.00816
         607995.00    4267385.20        0.00823                    608000.00
4267385.20        0.00829
         608005.00    4267385.20        0.00834                    608010.00
4267385.20        0.00838
         608015.00    4267385.20        0.00840                    607890.00
4267390.20        0.00380
         607895.00    4267390.20        0.00407                    607900.00
4267390.20        0.00434
         607905.00    4267390.20        0.00462                    607910.00
4267390.20        0.00489
         607915.00    4267390.20        0.00517                    607920.00
4267390.20        0.00543
         607925.00    4267390.20        0.00568                    607930.00
4267390.20        0.00593
         607935.00    4267390.20        0.00615                    607940.00
4267390.20        0.00636
         607945.00    4267390.20        0.00656                    607950.00
4267390.20        0.00673
         607955.00    4267390.20        0.00690                    607960.00
4267390.20        0.00705
         607965.00    4267390.20        0.00718                    607970.00
4267390.20        0.00731
         607975.00    4267390.20        0.00742                    607980.00
4267390.20        0.00752
         607985.00    4267390.20        0.00761                    607990.00
4267390.20        0.00769
         607995.00    4267390.20        0.00776                    608000.00
4267390.20        0.00782
         608005.00    4267390.20        0.00786                    608010.00
4267390.20        0.00790
```

```
                        UMAll_AERMOD_Mitigated_Output file
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        18:29:53

                                   PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         608015.00    4267390.20        0.00792                     607890.00
4267395.20        0.00368
         607895.00    4267395.20        0.00392                     607900.00
4267395.20        0.00417
         607905.00    4267395.20        0.00442                     607910.00
4267395.20        0.00468
         607915.00    4267395.20        0.00493                     607920.00
4267395.20        0.00517
         607925.00    4267395.20        0.00540                     607930.00
4267395.20        0.00562
         607935.00    4267395.20        0.00583                     607940.00
4267395.20        0.00602
         607945.00    4267395.20        0.00620                     607950.00
4267395.20        0.00637
         607955.00    4267395.20        0.00652                     607960.00
4267395.20        0.00666
         607965.00    4267395.20        0.00679                     607970.00
4267395.20        0.00691
         607975.00    4267395.20        0.00701                     607980.00
4267395.20        0.00711
         607985.00    4267395.20        0.00719                     607990.00
4267395.20        0.00727
         607995.00    4267395.20        0.00733                     608000.00
4267395.20        0.00739
```

UMAll_AERMOD_Mitigated_Output file

```
         608005.00    4267395.20        0.00743                    608010.00
4267395.20        0.00746
         608015.00    4267395.20        0.00749                    607917.70
4267058.10        0.00143
         607922.70    4267058.10        0.00148                    607927.70
4267058.10        0.00154
         607932.70    4267058.10        0.00159                    607937.70
4267058.10        0.00165
         607942.70    4267058.10        0.00170                    607947.70
4267058.10        0.00176
         607952.70    4267058.10        0.00182                    607957.70
4267058.10        0.00187
         607962.70    4267058.10        0.00193                    607967.70
4267058.10        0.00199
         607972.70    4267058.10        0.00205                    607977.70
4267058.10        0.00211
         607982.70    4267058.10        0.00217                    607987.70
4267058.10        0.00222
         607917.70    4267063.10        0.00147                    607922.70
4267063.10        0.00153
         607927.70    4267063.10        0.00159                    607932.70
4267063.10        0.00164
         607937.70    4267063.10        0.00170                    607942.70
4267063.10        0.00176
         607947.70    4267063.10        0.00182                    607952.70
4267063.10        0.00188
         607957.70    4267063.10        0.00194                    607962.70
4267063.10        0.00200
         607967.70    4267063.10        0.00207                    607972.70
4267063.10        0.00213
         607977.70    4267063.10        0.00219                    607982.70
4267063.10        0.00225
         607987.70    4267063.10        0.00231                    607917.70
4267068.10        0.00152
         607922.70    4267068.10        0.00158                    607927.70
4267068.10        0.00164
         607932.70    4267068.10        0.00170                    607937.70
4267068.10        0.00176
         607942.70    4267068.10        0.00182                    607947.70
4267068.10        0.00189
         607952.70    4267068.10        0.00195                    607957.70
4267068.10        0.00202
         607962.70    4267068.10        0.00208                    607967.70
4267068.10        0.00215
         607972.70    4267068.10        0.00221                    607977.70
4267068.10        0.00228
         607982.70    4267068.10        0.00234                    607987.70
4267068.10        0.00241
```

UMAll_AERMOD_Mitigated_Output file

```
         607917.70    4267073.10        0.00157                        607922.70
4267073.10        0.00163
         607927.70    4267073.10        0.00169                        607932.70
4267073.10        0.00176
         607937.70    4267073.10        0.00182                        607942.70
4267073.10        0.00189
         607947.70    4267073.10        0.00196                        607952.70
4267073.10        0.00202
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607957.70    4267073.10        0.00209                        607962.70
4267073.10        0.00216
         607967.70    4267073.10        0.00223                        607972.70
4267073.10        0.00230
         607977.70    4267073.10        0.00237                        607982.70
4267073.10        0.00244
         607987.70    4267073.10        0.00251                        607917.70
4267078.10        0.00162
         607922.70    4267078.10        0.00168                        607927.70
4267078.10        0.00175
         607932.70    4267078.10        0.00182                        607937.70
4267078.10        0.00189
         607942.70    4267078.10        0.00196                        607947.70
4267078.10        0.00203
         607952.70    4267078.10        0.00210                        607957.70
4267078.10        0.00218
```

UMAll_AERMOD_Mitigated_Output file

```
         607962.70    4267078.10        0.00225                    607967.70
4267078.10        0.00232
         607972.70    4267078.10        0.00240                    607977.70
4267078.10        0.00247
         607982.70    4267078.10        0.00254                    607987.70
4267078.10        0.00262
         607917.70    4267083.10        0.00167                    607922.70
4267083.10        0.00174
         607927.70    4267083.10        0.00181                    607932.70
4267083.10        0.00189
         607937.70    4267083.10        0.00196                    607942.70
4267083.10        0.00203
         607947.70    4267083.10        0.00211                    607952.70
4267083.10        0.00219
         607957.70    4267083.10        0.00226                    607962.70
4267083.10        0.00234
         607967.70    4267083.10        0.00242                    607972.70
4267083.10        0.00250
         607977.70    4267083.10        0.00258                    607982.70
4267083.10        0.00266
         607987.70    4267083.10        0.00273                    607917.70
4267088.10        0.00173
         607922.70    4267088.10        0.00180                    607927.70
4267088.10        0.00188
         607932.70    4267088.10        0.00196                    607937.70
4267088.10        0.00204
         607942.70    4267088.10        0.00211                    607947.70
4267088.10        0.00220
         607952.70    4267088.10        0.00228                    607957.70
4267088.10        0.00236
         607962.70    4267088.10        0.00244                    607967.70
4267088.10        0.00253
         607972.70    4267088.10        0.00261                    607977.70
4267088.10        0.00269
         607982.70    4267088.10        0.00278                    607987.70
4267088.10        0.00286
         607917.70    4267093.10        0.00179                    607922.70
4267093.10        0.00187
         607927.70    4267093.10        0.00195                    607932.70
4267093.10        0.00203
         607937.70    4267093.10        0.00212                    607942.70
4267093.10        0.00220
         607947.70    4267093.10        0.00229                    607952.70
4267093.10        0.00238
         607957.70    4267093.10        0.00246                    607962.70
4267093.10        0.00255
         607967.70    4267093.10        0.00264                    607972.70
4267093.10        0.00273
```

UMAll_AERMOD_Mitigated_Output file

607977.70 4267093.10 0.00282 607982.70 4267093.10 0.00291
607987.70 4267093.10 0.00300 607917.70 4267098.10 0.00185
607922.70 4267098.10 0.00194 607927.70 4267098.10 0.00202
607932.70 4267098.10 0.00211 607937.70 4267098.10 0.00220
607942.70 4267098.10 0.00229 607947.70 4267098.10 0.00239
607952.70 4267098.10 0.00248 607957.70 4267098.10 0.00257
607962.70 4267098.10 0.00267 607967.70 4267098.10 0.00277
607972.70 4267098.10 0.00286 607977.70 4267098.10 0.00296

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607982.70	4267098.10	0.00305	607987.70	4267098.10	0.00314
607917.70	4267103.10	0.00192	607922.70	4267103.10	0.00201
607927.70	4267103.10	0.00211	607932.70	4267103.10	0.00220
607937.70	4267103.10	0.00230	607942.70	4267103.10	0.00239

UMAll_AERMOD_Mitigated_Output file

```
         607947.70    4267103.10        0.00249                    607952.70
4267103.10        0.00259
         607957.70    4267103.10        0.00270                    607962.70
4267103.10        0.00280
         607967.70    4267103.10        0.00290                    607972.70
4267103.10        0.00300
         607977.70    4267103.10        0.00310                    607982.70
4267103.10        0.00320
         607987.70    4267103.10        0.00330                    607917.70
4267108.10        0.00200
         607922.70    4267108.10        0.00209                    607927.70
4267108.10        0.00219
         607932.70    4267108.10        0.00229                    607937.70
4267108.10        0.00240
         607942.70    4267108.10        0.00250                    607947.70
4267108.10        0.00261
         607952.70    4267108.10        0.00272                    607957.70
4267108.10        0.00283
         607962.70    4267108.10        0.00294                    607967.70
4267108.10        0.00305
         607972.70    4267108.10        0.00315                    607869.80
4267306.30        0.00374
         607874.80    4267306.30        0.00430                    607879.80
4267306.30        0.00226
         607824.80    4267311.30        0.00162                    607829.80
4267311.30        0.00173
         607864.80    4267311.30        0.00329                    607869.80
4267311.30        0.00375
         607874.80    4267311.30        0.00429                    607824.80
4267316.30        0.00163
         607829.80    4267316.30        0.00174                    607834.80
4267316.30        0.00187
         607839.80    4267316.30        0.00201                    607844.80
4267316.30        0.00219
         607864.80    4267316.30        0.00328                    607869.80
4267316.30        0.00370
         607874.80    4267316.30        0.00423                    607824.80
4267321.30        0.00164
         607829.80    4267321.30        0.00175                    607834.80
4267321.30        0.00188
         607839.80    4267321.30        0.00202                    607844.80
4267321.30        0.00219
         607849.80    4267321.30        0.00239                    607854.80
4267321.30        0.00263
         607859.80    4267321.30        0.00291                    607864.80
4267321.30        0.00325
         607869.80    4267321.30        0.00367                    607874.80
4267321.30        0.00418
```

UMAll_AERMOD_Mitigated_Output file

```
         607819.80    4267326.30        0.00155                        607824.80
4267326.30        0.00165
         607829.80    4267326.30        0.00176                        607834.80
4267326.30        0.00188
         607839.80    4267326.30        0.00203                        607844.80
4267326.30        0.00220
         607849.80    4267326.30        0.00239                        607854.80
4267326.30        0.00263
         607859.80    4267326.30        0.00290                        607864.80
4267326.30        0.00324
         607869.80    4267326.30        0.00364                        607874.80
4267326.30        0.00412
         607819.80    4267331.30        0.00156                        607824.80
4267331.30        0.00165
         607829.80    4267331.30        0.00176                        607834.80
4267331.30        0.00189
         607839.80    4267331.30        0.00203                        607844.80
4267331.30        0.00220
         607849.80    4267331.30        0.00239                        607854.80
4267331.30        0.00262
         607859.80    4267331.30        0.00289                        607864.80
4267331.30        0.00320
         607869.80    4267331.30        0.00360                        607819.80
4267336.30        0.00156
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_Mitigated_Output file

```
         607824.80    4267336.30        0.00166                    607829.80
4267336.30        0.00177
         607834.80    4267336.30        0.00189                    607839.80
4267336.30        0.00203
         607844.80    4267336.30        0.00220                    607849.80
4267336.30        0.00239
         607854.80    4267336.30        0.00261                    607859.80
4267336.30        0.00287
         607864.80    4267336.30        0.00317                    607869.80
4267336.30        0.00355
         607814.80    4267341.30        0.00148                    607819.80
4267341.30        0.00156
         607824.80    4267341.30        0.00166                    607829.80
4267341.30        0.00177
         607834.80    4267341.30        0.00189                    607839.80
4267341.30        0.00203
         607844.80    4267341.30        0.00219                    607849.80
4267341.30        0.00238
         607854.80    4267341.30        0.00259                    607859.80
4267341.30        0.00285
         607864.80    4267341.30        0.00314                    607814.80
4267346.30        0.00148
         607819.80    4267346.30        0.00157                    607824.80
4267346.30        0.00166
         607829.80    4267346.30        0.00177                    607834.80
4267346.30        0.00189
         607839.80    4267346.30        0.00203                    607844.80
4267346.30        0.00219
         607849.80    4267346.30        0.00237                    607854.80
4267346.30        0.00258
         607859.80    4267346.30        0.00282                    607864.80
4267346.30        0.00310
         607814.80    4267351.30        0.00148                    607819.80
4267351.30        0.00156
         607824.80    4267351.30        0.00166                    607829.80
4267351.30        0.00177
         607834.80    4267351.30        0.00189                    607839.80
4267351.30        0.00202
         607844.80    4267351.30        0.00218                    607849.80
4267351.30        0.00235
         607854.80    4267351.30        0.00255                    607859.80
4267351.30        0.00279
         607819.80    4267356.30        0.00156                    607824.80
4267356.30        0.00166
         607829.80    4267356.30        0.00176                    607834.80
4267356.30        0.00188
         607839.80    4267356.30        0.00201                    607844.80
4267356.30        0.00216
```

UMAll_AERMOD_Mitigated_Output file

```
         607849.80    4267356.30        0.00233                        607854.80
4267356.30        0.00253
         607859.80    4267356.30        0.00275                        607829.80
4267361.30        0.00175
         607834.80    4267361.30        0.00187                        607839.80
4267361.30        0.00200
         607844.80    4267361.30        0.00215                        607849.80
4267361.30        0.00231
         607854.80    4267361.30        0.00250                        607859.80
4267361.30        0.00272
         607839.80    4267366.30        0.00199                        607844.80
4267366.30        0.00213
         607849.80    4267366.30        0.00229                        607854.80
4267366.30        0.00247
         607849.80    4267371.30        0.00227                        607854.80
4267371.30        0.00244
         607829.50    4267189.20        0.00127                        607834.50
4267189.20        0.00133
         607839.50    4267189.20        0.00141                        607844.50
4267189.20        0.00148
         607849.50    4267189.20        0.00157                        607854.50
4267189.20        0.00166
         607859.50    4267189.20        0.00177                        607864.50
4267189.20        0.00188
         607869.50    4267189.20        0.00201                        607874.50
4267189.20        0.00216
         607879.50    4267189.20        0.00233                        607884.50
4267189.20        0.00252
         607829.50    4267194.20        0.00129                        607834.50
4267194.20        0.00136
         607839.50    4267194.20        0.00143                        607844.50
4267194.20        0.00151
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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UMAll_AERMOD_Mitigated_Output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607849.50	4267194.20	0.00160	607854.50	4267194.20	0.00170
607859.50	4267194.20	0.00181	607864.50	4267194.20	0.00193
607869.50	4267194.20	0.00207	607874.50	4267194.20	0.00223
607879.50	4267194.20	0.00241	607884.50	4267194.20	0.00262
607829.50	4267199.20	0.00131	607834.50	4267199.20	0.00138
607839.50	4267199.20	0.00146	607844.50	4267199.20	0.00154
607849.50	4267199.20	0.00163	607854.50	4267199.20	0.00174
607859.50	4267199.20	0.00185	607864.50	4267199.20	0.00198
607869.50	4267199.20	0.00213	607874.50	4267199.20	0.00230
607879.50	4267199.20	0.00249	607884.50	4267199.20	0.00272
607839.50	4267204.20	0.00148	607844.50	4267204.20	0.00157
607849.50	4267204.20	0.00167	607854.50	4267204.20	0.00178
607859.50	4267204.20	0.00190	607864.50	4267204.20	0.00204
607869.50	4267204.20	0.00219	607874.50	4267204.20	0.00237
607879.50	4267204.20	0.00258	607884.50	4267204.20	0.00283
607839.50	4267209.20	0.00151	607844.50	4267209.20	0.00160
607849.50	4267209.20	0.00170	607854.50	4267209.20	0.00181
607859.50	4267209.20	0.00194	607864.50	4267209.20	0.00209
607869.50	4267209.20	0.00226	607874.50	4267209.20	0.00245
607879.50	4267209.20	0.00267	607884.50	4267209.20	0.00294

UMAll_AERMOD_Mitigated_Output file

```
         607839.50    4267214.20        0.00153                        607844.50
4267214.20        0.00163
         607849.50    4267214.20        0.00173                        607854.50
4267214.20        0.00185
         607859.50    4267214.20        0.00199                        607864.50
4267214.20        0.00214
         607869.50    4267214.20        0.00232                        607874.50
4267214.20        0.00252
         607879.50    4267214.20        0.00276                        607884.50
4267214.20        0.00305
         607839.50    4267219.20        0.00156                        607844.50
4267219.20        0.00166
         607849.50    4267219.20        0.00177                        607854.50
4267219.20        0.00189
         607859.50    4267219.20        0.00204                        607864.50
4267219.20        0.00220
         607869.50    4267219.20        0.00239                        607874.50
4267219.20        0.00261
         607879.50    4267219.20        0.00287                        607884.50
4267219.20        0.00316
         607839.50    4267224.20        0.00159                        607844.50
4267224.20        0.00169
         607849.50    4267224.20        0.00181                        607854.50
4267224.20        0.00194
         607859.50    4267224.20        0.00209                        607864.50
4267224.20        0.00226
         607869.50    4267224.20        0.00246                        607874.50
4267224.20        0.00270
         607879.50    4267224.20        0.00297                        607884.50
4267224.20        0.00331
         607839.50    4267229.20        0.00161                        607844.50
4267229.20        0.00172
         607849.50    4267229.20        0.00184                        607854.50
4267229.20        0.00198
         607859.50    4267229.20        0.00214                        607864.50
4267229.20        0.00232
         607869.50    4267229.20        0.00253                        607874.50
4267229.20        0.00278
         607879.50    4267229.20        0.00309                        607884.50
4267229.20        0.00344
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607839.50	4267234.20	0.00164	607844.50	4267234.20	0.00175
607849.50	4267234.20	0.00188	607854.50	4267234.20	0.00202
607859.50	4267234.20	0.00219	607864.50	4267234.20	0.00238
607869.50	4267234.20	0.00261	607874.50	4267234.20	0.00288
607879.50	4267234.20	0.00321	607884.50	4267234.20	0.00360
607839.50	4267239.20	0.00167	607844.50	4267239.20	0.00179
607849.50	4267239.20	0.00192	607854.50	4267239.20	0.00207
607859.50	4267239.20	0.00224	607864.50	4267239.20	0.00245
607869.50	4267239.20	0.00269	607874.50	4267239.20	0.00298
607879.50	4267239.20	0.00332	607884.50	4267239.20	0.00374
607839.50	4267244.20	0.00170	607844.50	4267244.20	0.00182
607849.50	4267244.20	0.00196	607854.50	4267244.20	0.00211
607859.50	4267244.20	0.00230	607864.50	4267244.20	0.00251
607869.50	4267244.20	0.00277	607874.50	4267244.20	0.00308
607879.50	4267244.20	0.00345	607884.50	4267244.20	0.00390
607839.50	4267249.20	0.00172	607844.50	4267249.20	0.00185

UMAll_AERMOD_Mitigated_Output file

```
         607849.50    4267249.20        0.00199                    607854.50
4267249.20        0.00216
         607859.50    4267249.20        0.00235                    607864.50
4267249.20        0.00258
         607869.50    4267249.20        0.00285                    607874.50
4267249.20        0.00318
         607879.50    4267249.20        0.00357                    607884.50
4267249.20        0.00406
         607839.50    4267254.20        0.00175                    607844.50
4267254.20        0.00188
         607849.50    4267254.20        0.00203                    607854.50
4267254.20        0.00221
         607859.50    4267254.20        0.00241                    607864.50
4267254.20        0.00265
         607869.50    4267254.20        0.00293                    607874.50
4267254.20        0.00329
         607879.50    4267254.20        0.00371                    607884.50
4267254.20        0.00422
         607839.50    4267259.20        0.00178                    607844.50
4267259.20        0.00191
         607849.50    4267259.20        0.00207                    607854.50
4267259.20        0.00225
         607859.50    4267259.20        0.00246                    607864.50
4267259.20        0.00272
         607869.50    4267259.20        0.00303                    607874.50
4267259.20        0.00339
         607879.50    4267259.20        0.00384                    607884.50
4267259.20        0.00441
         607839.50    4267264.20        0.00180                    607844.50
4267264.20        0.00194
         607849.50    4267264.20        0.00211                    607854.50
4267264.20        0.00229
         607859.50    4267264.20        0.00252                    607864.50
4267264.20        0.00278
         607869.50    4267264.20        0.00310                    607874.50
4267264.20        0.00350
         607879.50    4267264.20        0.00398                    607884.50
4267264.20        0.00457
         607839.50    4267269.20        0.00183                    607844.50
4267269.20        0.00197
         607849.50    4267269.20        0.00214                    607854.50
4267269.20        0.00234
         607859.50    4267269.20        0.00257                    607864.50
4267269.20        0.00286
         607869.50    4267269.20        0.00318                    607874.50
4267269.20        0.00361
         607879.50    4267269.20        0.00411                    607884.50
4267269.20        0.00478
```

UMAll_AERMOD_Mitigated_Output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 95
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607839.50	4267274.20	0.00185	607844.50	4267274.20	0.00200
607849.50	4267274.20	0.00218	607854.50	4267274.20	0.00238
607859.50	4267274.20	0.00262	607864.50	4267274.20	0.00292
607869.50	4267274.20	0.00328	607874.50	4267274.20	0.00371
607879.50	4267274.20	0.00426	607884.50	4267274.20	0.00255
607839.50	4267279.20	0.00188	607844.50	4267279.20	0.00203
607849.50	4267279.20	0.00221	607854.50	4267279.20	0.00241
607859.50	4267279.20	0.00266	607864.50	4267279.20	0.00296
607869.50	4267279.20	0.00334	607874.50	4267279.20	0.00380
607879.50	4267279.20	0.00440	607884.50	4267279.20	0.00254
608194.60	4267085.20	0.00260	608199.60	4267085.20	0.00252
608204.60	4267085.20	0.00245	608309.60	4267085.20	0.00118

UMAll_AERMOD_Mitigated_Output file

```
         608314.60    4267085.20        0.00114                    608184.60
4267090.20        0.00281
         608189.60    4267090.20        0.00273                    608194.60
4267090.20        0.00265
         608199.60    4267090.20        0.00257                    608204.60
4267090.20        0.00250
         608304.60    4267090.20        0.00123                    608309.60
4267090.20        0.00118
         608314.60    4267090.20        0.00114                    608319.60
4267090.20        0.00110
         608324.60    4267090.20        0.00106                    608184.60
4267095.20        0.00287
         608189.60    4267095.20        0.00279                    608194.60
4267095.20        0.00271
         608199.60    4267095.20        0.00262                    608204.60
4267095.20        0.00254
         608209.60    4267095.20        0.00246                    608304.60
4267095.20        0.00122
         608309.60    4267095.20        0.00118                    608314.60
4267095.20        0.00113
         608319.60    4267095.20        0.00109                    608324.60
4267095.20        0.00105
         608184.60    4267100.20        0.00294                    608189.60
4267100.20        0.00285
         608194.60    4267100.20        0.00276                    608199.60
4267100.20        0.00267
         608204.60    4267100.20        0.00259                    608209.60
4267100.20        0.00250
         608214.60    4267100.20        0.00242                    608219.60
4267100.20        0.00233
         608224.60    4267100.20        0.00225                    608304.60
4267100.20        0.00122
         608309.60    4267100.20        0.00117                    608314.60
4267100.20        0.00113
         608319.60    4267100.20        0.00108                    608189.60
4267105.20        0.00291
         608194.60    4267105.20        0.00282                    608199.60
4267105.20        0.00273
         608204.60    4267105.20        0.00263                    608209.60
4267105.20        0.00254
         608214.60    4267105.20        0.00245                    608219.60
4267105.20        0.00236
         608224.60    4267105.20        0.00228                    608229.60
4267105.20        0.00219
         608234.60    4267105.20        0.00211                    608239.60
4267105.20        0.00203
         608244.60    4267105.20        0.00196                    608299.60
4267105.20        0.00126
```

UMAll_AERMOD_Mitigated_Output file

```
         608304.60    4267105.20        0.00121                       608309.60
4267105.20        0.00117
         608314.60    4267105.20        0.00112                       608319.60
4267105.20        0.00108
         608189.60    4267110.20        0.00298                       608194.60
4267110.20        0.00288
         608199.60    4267110.20        0.00278                       608204.60
4267110.20        0.00268
♠ *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608209.60    4267110.20        0.00258                       608214.60
4267110.20        0.00249
         608219.60    4267110.20        0.00239                       608224.60
4267110.20        0.00231
         608229.60    4267110.20        0.00222                       608234.60
4267110.20        0.00213
         608239.60    4267110.20        0.00205                       608244.60
4267110.20        0.00197
         608249.60    4267110.20        0.00189                       608254.60
4267110.20        0.00182
         608259.60    4267110.20        0.00175                       608264.60
4267110.20        0.00168
         608269.60    4267110.20        0.00161                       608274.60
4267110.20        0.00154
         608279.60    4267110.20        0.00148                       608284.60
4267110.20        0.00142
```

UMAll_AERMOD_Mitigated_Output file

```
         608289.60    4267110.20        0.00137                    608294.60
4267110.20        0.00131
         608299.60    4267110.20        0.00126                    608304.60
4267110.20        0.00121
         608309.60    4267110.20        0.00116                    608314.60
4267110.20        0.00111
         608319.60    4267110.20        0.00107                    608194.60
4267115.20        0.00293
         608199.60    4267115.20        0.00283                    608204.60
4267115.20        0.00272
         608209.60    4267115.20        0.00262                    608214.60
4267115.20        0.00252
         608219.60    4267115.20        0.00242                    608224.60
4267115.20        0.00233
         608229.60    4267115.20        0.00224                    608234.60
4267115.20        0.00215
         608239.60    4267115.20        0.00207                    608244.60
4267115.20        0.00198
         608249.60    4267115.20        0.00190                    608254.60
4267115.20        0.00182
         608259.60    4267115.20        0.00175                    608264.60
4267115.20        0.00168
         608269.60    4267115.20        0.00161                    608274.60
4267115.20        0.00154
         608279.60    4267115.20        0.00148                    608284.60
4267115.20        0.00142
         608289.60    4267115.20        0.00136                    608294.60
4267115.20        0.00131
         608299.60    4267115.20        0.00125                    608304.60
4267115.20        0.00120
         608309.60    4267115.20        0.00115                    608314.60
4267115.20        0.00111
         608204.60    4267120.20        0.00277                    608209.60
4267120.20        0.00266
         608214.60    4267120.20        0.00255                    608219.60
4267120.20        0.00245
         608224.60    4267120.20        0.00235                    608229.60
4267120.20        0.00226
         608234.60    4267120.20        0.00217                    608239.60
4267120.20        0.00208
         608244.60    4267120.20        0.00199                    608249.60
4267120.20        0.00191
         608254.60    4267120.20        0.00183                    608259.60
4267120.20        0.00175
         608264.60    4267120.20        0.00168                    608269.60
4267120.20        0.00161
         608274.60    4267120.20        0.00154                    608279.60
4267120.20        0.00148
```

UMAll_AERMOD_Mitigated_Output file

608284.60 4267120.20 0.00142 608289.60 4267120.20 0.00136
608294.60 4267120.20 0.00130 608299.60 4267120.20 0.00125
608304.60 4267120.20 0.00119 608309.60 4267120.20 0.00115
608314.60 4267120.20 0.00110 608229.60 4267125.20 0.00228
608234.60 4267125.20 0.00218 608239.60 4267125.20 0.00209
608244.60 4267125.20 0.00200 608249.60 4267125.20 0.00192
608254.60 4267125.20 0.00183 608259.60 4267125.20 0.00176
608264.60 4267125.20 0.00168 608269.60 4267125.20 0.00161

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608274.60	4267125.20	0.00154	608279.60	4267125.20	0.00147
608284.60	4267125.20	0.00141	608289.60	4267125.20	0.00135
608294.60	4267125.20	0.00129	608299.60	4267125.20	0.00124
608304.60	4267125.20	0.00119	608309.60	4267125.20	0.00114

UMAll_AERMOD_Mitigated_Output file

```
         607831.30    4267190.00        0.00089                    607836.30
4267190.00        0.00093
         607841.30    4267190.00        0.00098                    607846.30
4267190.00        0.00102
         607851.30    4267190.00        0.00108                    607856.30
4267190.00        0.00113
         607861.30    4267190.00        0.00120                    607866.30
4267190.00        0.00126
         607871.30    4267190.00        0.00134                    607876.30
4267190.00        0.00142
         607881.30    4267190.00        0.00151                    607831.30
4267195.00        0.00090
         607836.30    4267195.00        0.00095                    607841.30
4267195.00        0.00099
         607846.30    4267195.00        0.00104                    607851.30
4267195.00        0.00109
         607856.30    4267195.00        0.00115                    607861.30
4267195.00        0.00122
         607866.30    4267195.00        0.00129                    607871.30
4267195.00        0.00137
         607876.30    4267195.00        0.00145                    607881.30
4267195.00        0.00155
         607831.30    4267200.00        0.00091                    607836.30
4267200.00        0.00096
         607841.30    4267200.00        0.00101                    607846.30
4267200.00        0.00106
         607851.30    4267200.00        0.00111                    607856.30
4267200.00        0.00117
         607861.30    4267200.00        0.00124                    607866.30
4267200.00        0.00131
         607871.30    4267200.00        0.00140                    607876.30
4267200.00        0.00149
         607881.30    4267200.00        0.00159                    607841.30
4267205.00        0.00102
         607846.30    4267205.00        0.00107                    607851.30
4267205.00        0.00113
         607856.30    4267205.00        0.00119                    607861.30
4267205.00        0.00126
         607866.30    4267205.00        0.00134                    607871.30
4267205.00        0.00142
         607876.30    4267205.00        0.00152                    607881.30
4267205.00        0.00162
         607841.30    4267210.00        0.00103                    607846.30
4267210.00        0.00109
         607851.30    4267210.00        0.00115                    607856.30
4267210.00        0.00121
         607861.30    4267210.00        0.00129                    607866.30
4267210.00        0.00136
```

UMAll_AERMOD_Mitigated_Output file

```
         607871.30    4267210.00        0.00145                        607876.30
4267210.00        0.00155
         607881.30    4267210.00        0.00166                        607841.30
4267215.00        0.00105
         607846.30    4267215.00        0.00110                        607851.30
4267215.00        0.00116
         607856.30    4267215.00        0.00123                        607861.30
4267215.00        0.00131
         607866.30    4267215.00        0.00139                        607871.30
4267215.00        0.00148
         607876.30    4267215.00        0.00159                        607881.30
4267215.00        0.00170
         607841.30    4267220.00        0.00106                        607846.30
4267220.00        0.00112
         607851.30    4267220.00        0.00118                        607856.30
4267220.00        0.00125
         607861.30    4267220.00        0.00133                        607866.30
4267220.00        0.00142
         607871.30    4267220.00        0.00151                        607876.30
4267220.00        0.00162
         607881.30    4267220.00        0.00174                        607841.30
4267225.00        0.00107
         607846.30    4267225.00        0.00113                        607851.30
4267225.00        0.00120
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***       06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                    PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_Mitigated_Output file

```
         607856.30    4267225.00        0.00127                    607861.30
4267225.00        0.00135
         607866.30    4267225.00        0.00144                    607871.30
4267225.00        0.00155
         607876.30    4267225.00        0.00166                    607881.30
4267225.00        0.00179
         607841.30    4267230.00        0.00109                    607846.30
4267230.00        0.00115
         607851.30    4267230.00        0.00122                    607856.30
4267230.00        0.00129
         607861.30    4267230.00        0.00138                    607866.30
4267230.00        0.00147
         607871.30    4267230.00        0.00158                    607876.30
4267230.00        0.00170
         607881.30    4267230.00        0.00183                    607841.30
4267235.00        0.00110
         607846.30    4267235.00        0.00116                    607851.30
4267235.00        0.00123
         607856.30    4267235.00        0.00131                    607861.30
4267235.00        0.00140
         607866.30    4267235.00        0.00150                    607871.30
4267235.00        0.00161
         607876.30    4267235.00        0.00174                    607881.30
4267235.00        0.00188
         607841.30    4267240.00        0.00111                    607846.30
4267240.00        0.00118
         607851.30    4267240.00        0.00125                    607856.30
4267240.00        0.00133
         607861.30    4267240.00        0.00143                    607866.30
4267240.00        0.00153
         607871.30    4267240.00        0.00165                    607876.30
4267240.00        0.00178
         607881.30    4267240.00        0.00193                    607841.30
4267245.00        0.00113
         607846.30    4267245.00        0.00120                    607851.30
4267245.00        0.00127
         607856.30    4267245.00        0.00136                    607861.30
4267245.00        0.00145
         607866.30    4267245.00        0.00156                    607871.30
4267245.00        0.00168
         607876.30    4267245.00        0.00182                    607881.30
4267245.00        0.00198
         607841.30    4267250.00        0.00114                    607846.30
4267250.00        0.00121
         607851.30    4267250.00        0.00129                    607856.30
4267250.00        0.00138
         607861.30    4267250.00        0.00147                    607866.30
4267250.00        0.00159
```

UMAll_AERMOD_Mitigated_Output file

```
         607871.30    4267250.00        0.00171                        607876.30
4267250.00        0.00186
         607881.30    4267250.00        0.00203                        607841.30
4267255.00        0.00116
         607846.30    4267255.00        0.00123                        607851.30
4267255.00        0.00131
         607856.30    4267255.00        0.00140                        607861.30
4267255.00        0.00150
         607866.30    4267255.00        0.00162                        607871.30
4267255.00        0.00175
         607876.30    4267255.00        0.00190                        607881.30
4267255.00        0.00208
         607841.30    4267260.00        0.00117                        607846.30
4267260.00        0.00124
         607851.30    4267260.00        0.00133                        607856.30
4267260.00        0.00142
         607861.30    4267260.00        0.00152                        607866.30
4267260.00        0.00164
         607871.30    4267260.00        0.00178                        607876.30
4267260.00        0.00194
         607881.30    4267260.00        0.00213                        607841.30
4267265.00        0.00118
         607846.30    4267265.00        0.00126                        607851.30
4267265.00        0.00134
         607856.30    4267265.00        0.00144                        607861.30
4267265.00        0.00155
         607866.30    4267265.00        0.00167                        607871.30
4267265.00        0.00181
         607876.30    4267265.00        0.00198                        607881.30
4267265.00        0.00217
         607841.30    4267270.00        0.00120                        607846.30
4267270.00        0.00127
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                    PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

UMAll_AERMOD_Mitigated_Output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607851.30	4267270.00	0.00136	607856.30	4267270.00	0.00146
607861.30	4267270.00	0.00157	607866.30	4267270.00	0.00170
607871.30	4267270.00	0.00184	607876.30	4267270.00	0.00201
607881.30	4267270.00	0.00221	607841.30	4267275.00	0.00121
607846.30	4267275.00	0.00129	607851.30	4267275.00	0.00138
607856.30	4267275.00	0.00148	607861.30	4267275.00	0.00159
607866.30	4267275.00	0.00172	607871.30	4267275.00	0.00187
607876.30	4267275.00	0.00204	607881.30	4267275.00	0.00224
607841.30	4267280.00	0.00123	607846.30	4267280.00	0.00131
607851.30	4267280.00	0.00140	607856.30	4267280.00	0.00150
607861.30	4267280.00	0.00162	607866.30	4267280.00	0.00175
608193.70	4267087.00	0.00226	608198.70	4267087.00	0.00220
608203.70	4267087.00	0.00213	608308.70	4267087.00	0.00102
608313.70	4267087.00	0.00098	608318.70	4267087.00	0.00095
608183.70	4267092.00	0.00243	608188.70	4267092.00	0.00237
608193.70	4267092.00	0.00230	608198.70	4267092.00	0.00224
608203.70	4267092.00	0.00217	608208.70	4267092.00	0.00210
608303.70	4267092.00	0.00106	608308.70	4267092.00	0.00102
608313.70	4267092.00	0.00098	608318.70	4267092.00	0.00094
608323.70	4267092.00	0.00091	608328.70	4267092.00	0.00088

UMAll_AERMOD_Mitigated_Output file

```
         608183.70    4267097.00        0.00249                    608188.70
4267097.00        0.00242
         608193.70    4267097.00        0.00234                    608198.70
4267097.00        0.00227
         608203.70    4267097.00        0.00220                    608208.70
4267097.00        0.00213
         608213.70    4267097.00        0.00206                    608303.70
4267097.00        0.00105
         608308.70    4267097.00        0.00101                    608313.70
4267097.00        0.00098
         608318.70    4267097.00        0.00094                    608323.70
4267097.00        0.00090
         608183.70    4267102.00        0.00254                    608188.70
4267102.00        0.00246
         608193.70    4267102.00        0.00239                    608198.70
4267102.00        0.00231
         608203.70    4267102.00        0.00224                    608208.70
4267102.00        0.00216
         608213.70    4267102.00        0.00209                    608218.70
4267102.00        0.00202
         608223.70    4267102.00        0.00195                    608303.70
4267102.00        0.00105
         608308.70    4267102.00        0.00101                    608313.70
4267102.00        0.00097
         608318.70    4267102.00        0.00093                    608323.70
4267102.00        0.00090
         608183.70    4267107.00        0.00259                    608188.70
4267107.00        0.00251
         608193.70    4267107.00        0.00243                    608198.70
4267107.00        0.00235
         608203.70    4267107.00        0.00227                    608208.70
4267107.00        0.00219
         608213.70    4267107.00        0.00212                    608218.70
4267107.00        0.00204
         608223.70    4267107.00        0.00197                    608228.70
4267107.00        0.00190
         608233.70    4267107.00        0.00182                    608238.70
4267107.00        0.00176
         608243.70    4267107.00        0.00169                    608248.70
4267107.00        0.00162
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                   PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608253.70	4267107.00	0.00156	608298.70	4267107.00	0.00109
608303.70	4267107.00	0.00104	608308.70	4267107.00	0.00100
608313.70	4267107.00	0.00096	608318.70	4267107.00	0.00093
608188.70	4267112.00	0.00256	608193.70	4267112.00	0.00247
608198.70	4267112.00	0.00239	608203.70	4267112.00	0.00231
608208.70	4267112.00	0.00222	608213.70	4267112.00	0.00214
608218.70	4267112.00	0.00206	608223.70	4267112.00	0.00199
608228.70	4267112.00	0.00191	608233.70	4267112.00	0.00184
608238.70	4267112.00	0.00177	608243.70	4267112.00	0.00170
608248.70	4267112.00	0.00163	608253.70	4267112.00	0.00157
608258.70	4267112.00	0.00150	608263.70	4267112.00	0.00144
608268.70	4267112.00	0.00138	608273.70	4267112.00	0.00133
608278.70	4267112.00	0.00127	608283.70	4267112.00	0.00122
608288.70	4267112.00	0.00117	608293.70	4267112.00	0.00113
608298.70	4267112.00	0.00108	608303.70	4267112.00	0.00104
608308.70	4267112.00	0.00100	608313.70	4267112.00	0.00096

UMAll_AERMOD_Mitigated_Output file

```
         608318.70    4267112.00        0.00092                    608193.70
4267117.00        0.00251
         608198.70    4267117.00        0.00243                    608203.70
4267117.00        0.00234
         608208.70    4267117.00        0.00225                    608213.70
4267117.00        0.00217
         608218.70    4267117.00        0.00208                    608223.70
4267117.00        0.00200
         608228.70    4267117.00        0.00193                    608233.70
4267117.00        0.00185
         608238.70    4267117.00        0.00178                    608243.70
4267117.00        0.00170
         608248.70    4267117.00        0.00164                    608253.70
4267117.00        0.00157
         608258.70    4267117.00        0.00150                    608263.70
4267117.00        0.00144
         608268.70    4267117.00        0.00138                    608273.70
4267117.00        0.00133
         608278.70    4267117.00        0.00127                    608283.70
4267117.00        0.00122
         608288.70    4267117.00        0.00117                    608293.70
4267117.00        0.00112
         608298.70    4267117.00        0.00107                    608303.70
4267117.00        0.00103
         608308.70    4267117.00        0.00099                    608313.70
4267117.00        0.00095
         608213.70    4267122.00        0.00219                    608218.70
4267122.00        0.00210
         608223.70    4267122.00        0.00202                    608228.70
4267122.00        0.00194
         608233.70    4267122.00        0.00186                    608238.70
4267122.00        0.00178
         608243.70    4267122.00        0.00171                    608248.70
4267122.00        0.00164
         608253.70    4267122.00        0.00157                    608258.70
4267122.00        0.00150
         608263.70    4267122.00        0.00144                    608268.70
4267122.00        0.00138
         608273.70    4267122.00        0.00132                    608278.70
4267122.00        0.00127
         608283.70    4267122.00        0.00121                    608288.70
4267122.00        0.00116
         608293.70    4267122.00        0.00111                    608298.70
4267122.00        0.00107
         608303.70    4267122.00        0.00102                    608308.70
4267122.00        0.00098
         608313.70    4267122.00        0.00094                    608233.70
4267127.00        0.00187
```

UMAll_AERMOD_Mitigated_Output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 101
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608238.70	4267127.00	0.00179	608243.70	4267127.00	0.00172
608248.70	4267127.00	0.00164	608253.70	4267127.00	0.00157
608258.70	4267127.00	0.00150	608263.70	4267127.00	0.00144
608268.70	4267127.00	0.00138	608273.70	4267127.00	0.00132
608278.70	4267127.00	0.00126	608283.70	4267127.00	0.00121
608288.70	4267127.00	0.00116	608293.70	4267127.00	0.00111
608298.70	4267127.00	0.00106	608303.70	4267127.00	0.00102
608165.70	4267052.20	0.00216	608170.70	4267052.20	0.00213
608175.70	4267052.20	0.00210	608180.70	4267052.20	0.00206
608185.70	4267052.20	0.00202	608190.70	4267052.20	0.00199
608195.70	4267052.20	0.00195	608200.70	4267052.20	0.00191
608205.70	4267052.20	0.00186	608210.70	4267052.20	0.00182

UMAll_AERMOD_Mitigated_Output file

```
         608215.70    4267052.20        0.00178                    608220.70
4267052.20        0.00174
         608165.70    4267057.20        0.00222                    608170.70
4267057.20        0.00218
         608175.70    4267057.20        0.00215                    608180.70
4267057.20        0.00211
         608185.70    4267057.20        0.00207                    608190.70
4267057.20        0.00203
         608195.70    4267057.20        0.00199                    608200.70
4267057.20        0.00194
         608205.70    4267057.20        0.00190                    608210.70
4267057.20        0.00185
         608215.70    4267057.20        0.00181                    608220.70
4267057.20        0.00176
         608165.70    4267062.20        0.00228                    608170.70
4267062.20        0.00224
         608175.70    4267062.20        0.00220                    608180.70
4267062.20        0.00216
         608185.70    4267062.20        0.00212                    608190.70
4267062.20        0.00207
         608195.70    4267062.20        0.00203                    608200.70
4267062.20        0.00198
         608205.70    4267062.20        0.00193                    608210.70
4267062.20        0.00189
         608215.70    4267062.20        0.00184                    608220.70
4267062.20        0.00179
         608166.50    4267047.60        0.00191                    608171.50
4267047.60        0.00189
         608176.50    4267047.60        0.00186                    608181.50
4267047.60        0.00183
         608186.50    4267047.60        0.00180                    608191.50
4267047.60        0.00177
         608196.50    4267047.60        0.00173                    608201.50
4267047.60        0.00170
         608206.50    4267047.60        0.00166                    608211.50
4267047.60        0.00163
         608216.50    4267047.60        0.00159                    608166.50
4267052.60        0.00196
         608171.50    4267052.60        0.00193                    608176.50
4267052.60        0.00190
         608181.50    4267052.60        0.00187                    608186.50
4267052.60        0.00184
         608191.50    4267052.60        0.00180                    608196.50
4267052.60        0.00177
         608201.50    4267052.60        0.00173                    608206.50
4267052.60        0.00169
         608211.50    4267052.60        0.00165                    608216.50
4267052.60        0.00161
```

UMAll_AERMOD_Mitigated_Output file

608166.50 4267057.60 0.00201 608171.50
4267057.60 0.00198
608176.50 4267057.60 0.00195 608181.50
4267057.60 0.00191
608186.50 4267057.60 0.00188 608191.50
4267057.60 0.00184
608196.50 4267057.60 0.00180 608201.50
4267057.60 0.00176

↑ *** AERMOD - VERSION 18081 *** *** University Commons *** 06/18/19
*** AERMET - VERSION 14134 *** *** *** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
- -

608206.50 4267057.60 0.00172 608211.50
4267057.60 0.00168
608216.50 4267057.60 0.00164 608166.50
4267062.60 0.00206
608171.50 4267062.60 0.00202 608176.50
4267062.60 0.00199
608181.50 4267062.60 0.00195 608186.50
4267062.60 0.00191
608191.50 4267062.60 0.00188 608196.50
4267062.60 0.00183
608201.50 4267062.60 0.00179 608206.50
4267062.60 0.00175
608211.50 4267062.60 0.00171 608216.50
4267062.60 0.00166
608162.80 4267051.30 0.00178 608167.80
4267051.30 0.00175

UMAll_AERMOD_Mitigated_Output file

```
         608172.80    4267051.30        0.00173                    608177.80
4267051.30        0.00170
         608182.80    4267051.30        0.00167                    608187.80
4267051.30        0.00164
         608192.80    4267051.30        0.00161                    608197.80
4267051.30        0.00158
         608202.80    4267051.30        0.00155                    608207.80
4267051.30        0.00151
         608212.80    4267051.30        0.00148                    608217.80
4267051.30        0.00144
         608162.80    4267056.30        0.00182                    608167.80
4267056.30        0.00179
         608172.80    4267056.30        0.00177                    608177.80
4267056.30        0.00174
         608182.80    4267056.30        0.00171                    608187.80
4267056.30        0.00168
         608192.80    4267056.30        0.00164                    608197.80
4267056.30        0.00161
         608202.80    4267056.30        0.00157                    608207.80
4267056.30        0.00154
         608212.80    4267056.30        0.00150                    608217.80
4267056.30        0.00147
         608162.80    4267061.30        0.00186                    608167.80
4267061.30        0.00184
         608172.80    4267061.30        0.00181                    608177.80
4267061.30        0.00178
         608182.80    4267061.30        0.00174                    608187.80
4267061.30        0.00171
         608192.80    4267061.30        0.00167                    608197.80
4267061.30        0.00164
         608202.80    4267061.30        0.00160                    608207.80
4267061.30        0.00156
         608212.80    4267061.30        0.00152                    608217.80
4267061.30        0.00148
         608255.80    4267195.00        0.00205                    608275.80
4267195.00        0.00164
         608295.80    4267195.00        0.00133                    608315.80
4267195.00        0.00110
         608335.80    4267195.00        0.00092                    608355.80
4267195.00        0.00078
         608255.80    4267215.00        0.00201                    608275.80
4267215.00        0.00158
         608295.80    4267215.00        0.00128                    608315.80
4267215.00        0.00105
         608335.80    4267215.00        0.00088                    608355.80
4267215.00        0.00075
         608255.80    4267235.00        0.00194                    608275.80
4267235.00        0.00152
```

UMAll_AERMOD_Mitigated_Output file

608295.80 4267235.00 0.00122 608315.80 4267235.00 0.00101
608335.80 4267235.00 0.00085 608355.80 4267235.00 0.00072
608255.80 4267255.00 0.00186 608275.80 4267255.00 0.00145
608295.80 4267255.00 0.00117 608315.80 4267255.00 0.00097
608335.80 4267255.00 0.00082 608355.80 4267255.00 0.00070
608275.80 4267275.00 0.00139 608295.80 4267275.00 0.00113
608315.80 4267275.00 0.00094 608335.80 4267275.00 0.00080
608355.80 4267275.00 0.00069 608275.80 4267295.00 0.00134

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608295.80	4267295.00	0.00110	608315.80	4267295.00	0.00092
608335.80	4267295.00	0.00078	608355.80	4267295.00	0.00067
608275.80	4267315.00	0.00130	608295.80	4267315.00	0.00107
608315.80	4267315.00	0.00090	608335.80	4267315.00	0.00077

UMAll_AERMOD_Mitigated_Output file

```
         608355.80    4267315.00        0.00066                    608275.80
4267335.00        0.00125
         608295.80    4267335.00        0.00104                    608315.80
4267335.00        0.00087
         608335.80    4267335.00        0.00075                    608355.80
4267335.00        0.00065
         608275.80    4267355.00        0.00121                    608295.80
4267355.00        0.00100
         608315.80    4267355.00        0.00085                    608335.80
4267355.00        0.00073
         608355.80    4267355.00        0.00064                    608175.80
4267375.00        0.00393
         608195.80    4267375.00        0.00294                    608215.80
4267375.00        0.00223
         608235.80    4267375.00        0.00175                    608255.80
4267375.00        0.00141
         608275.80    4267375.00        0.00116                    608295.80
4267375.00        0.00097
         608315.80    4267375.00        0.00082                    608335.80
4267375.00        0.00071
         608355.80    4267375.00        0.00062                    608175.80
4267395.00        0.00324
         608195.80    4267395.00        0.00254                    608215.80
4267395.00        0.00201
         608235.80    4267395.00        0.00162                    608255.80
4267395.00        0.00132
         608275.80    4267395.00        0.00110                    608295.80
4267395.00        0.00093
         608315.80    4267395.00        0.00080                    608335.80
4267395.00        0.00069
         608355.80    4267395.00        0.00060                    607875.80
4267415.00        0.00313
         607895.80    4267415.00        0.00380                    607915.80
4267415.00        0.00446
         607935.80    4267415.00        0.00503                    607955.80
4267415.00        0.00547
         607975.80    4267415.00        0.00578                    607995.80
4267415.00        0.00596
         608015.80    4267415.00        0.00602                    608035.80
4267415.00        0.00598
         608175.80    4267415.00        0.00274                    608195.80
4267415.00        0.00222
         608215.80    4267415.00        0.00181                    608235.80
4267415.00        0.00149
         608255.80    4267415.00        0.00124                    608275.80
4267415.00        0.00105
         608295.80    4267415.00        0.00089                    608315.80
4267415.00        0.00077
```

UMAll_AERMOD_Mitigated_Output file

```
         608335.80    4267415.00        0.00067                        608355.80
4267415.00        0.00059
         607855.80    4267435.00        0.00233                        607875.80
4267435.00        0.00279
         607895.80    4267435.00        0.00330                        607915.80
4267435.00        0.00379
         607935.80    4267435.00        0.00422                        607955.80
4267435.00        0.00455
         607975.80    4267435.00        0.00478                        607995.80
4267435.00        0.00492
         608015.80    4267435.00        0.00496                        608035.80
4267435.00        0.00492
         608055.80    4267435.00        0.00477                        608095.80
4267435.00        0.00420
         608115.80    4267435.00        0.00379                        608135.80
4267435.00        0.00331
         608155.80    4267435.00        0.00282                        608175.80
4267435.00        0.00237
         608195.80    4267435.00        0.00197                        608215.80
4267435.00        0.00164
         608235.80    4267435.00        0.00138                        608255.80
4267435.00        0.00116
         608275.80    4267435.00        0.00099                        608295.80
4267435.00        0.00085
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                    PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

UMAll_AERMOD_Mitigated_Output file

```
         608315.80    4267435.00        0.00074                    608335.80
4267435.00        0.00064
         608355.80    4267435.00        0.00057                    607855.80
4267455.00        0.00213
         607875.80    4267455.00        0.00251                    607895.80
4267455.00        0.00290
         607915.80    4267455.00        0.00328                    607935.80
4267455.00        0.00361
         607955.80    4267455.00        0.00386                    607975.80
4267455.00        0.00404
         607995.80    4267455.00        0.00414                    608015.80
4267455.00        0.00417
         608035.80    4267455.00        0.00412                    608055.80
4267455.00        0.00399
         608075.80    4267455.00        0.00379                    608095.80
4267455.00        0.00351
         608115.80    4267455.00        0.00318                    608135.80
4267455.00        0.00280
         608155.80    4267455.00        0.00242                    608175.80
4267455.00        0.00207
         608195.80    4267455.00        0.00176                    608215.80
4267455.00        0.00149
         608235.80    4267455.00        0.00127                    608255.80
4267455.00        0.00109
         608275.80    4267455.00        0.00094                    608295.80
4267455.00        0.00081
         608315.80    4267455.00        0.00071                    608335.80
4267455.00        0.00062
         608355.80    4267455.00        0.00055                    607835.80
4267475.00        0.00167
         607855.80    4267475.00        0.00195                    607875.80
4267475.00        0.00226
         607895.80    4267475.00        0.00258                    607915.80
4267475.00        0.00288
         607935.80    4267475.00        0.00313                    607955.80
4267475.00        0.00333
         607975.80    4267475.00        0.00347                    607995.80
4267475.00        0.00354
         608015.80    4267475.00        0.00355                    608035.80
4267475.00        0.00350
         608055.80    4267475.00        0.00339                    608075.80
4267475.00        0.00321
         608095.80    4267475.00        0.00298                    608115.80
4267475.00        0.00271
         608135.80    4267475.00        0.00241                    608155.80
4267475.00        0.00211
         608175.80    4267475.00        0.00183                    608195.80
4267475.00        0.00158
```

UMAll_AERMOD_Mitigated_Output file

```
         608215.80    4267475.00        0.00136                        608235.80
4267475.00        0.00118
         608255.80    4267475.00        0.00102                        608275.80
4267475.00        0.00089
         608295.80    4267475.00        0.00077                        608315.80
4267475.00        0.00068
         608335.80    4267475.00        0.00060                        608355.80
4267475.00        0.00053
         607815.80    4267495.00        0.00135                        607835.80
4267495.00        0.00156
         607855.80    4267495.00        0.00180                        607875.80
4267495.00        0.00205
         607895.80    4267495.00        0.00231                        607915.80
4267495.00        0.00255
         607935.80    4267495.00        0.00275                        607955.80
4267495.00        0.00290
         607975.80    4267495.00        0.00301                        607995.80
4267495.00        0.00306
         608015.80    4267495.00        0.00306                        608035.80
4267495.00        0.00301
         608055.80    4267495.00        0.00291                        608075.80
4267495.00        0.00276
         608095.80    4267495.00        0.00257                        608115.80
4267495.00        0.00235
         608135.80    4267495.00        0.00210                        608155.80
4267495.00        0.00186
         608175.80    4267495.00        0.00163                        608195.80
4267495.00        0.00143
         608215.80    4267495.00        0.00125                        608235.80
4267495.00        0.00109
         608255.80    4267495.00        0.00095                        608275.80
4267495.00        0.00084
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                    PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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UMAll_AERMOD_Mitigated_Output file

** CONC OF PM25 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608295.80	4267495.00	0.00074	608315.80	4267495.00	0.00065
608335.80	4267495.00	0.00058	608355.80	4267495.00	0.00051
607815.80	4267515.00	0.00127	607835.80	4267515.00	0.00145
607855.80	4267515.00	0.00166	607875.80	4267515.00	0.00187
607895.80	4267515.00	0.00208	607915.80	4267515.00	0.00227
607935.80	4267515.00	0.00243	607955.80	4267515.00	0.00256
607975.80	4267515.00	0.00264	607995.80	4267515.00	0.00268
608015.80	4267515.00	0.00267	608035.80	4267515.00	0.00262
608055.80	4267515.00	0.00253	608075.80	4267515.00	0.00240
608095.80	4267515.00	0.00224	608115.80	4267515.00	0.00205
608135.80	4267515.00	0.00185	608155.80	4267515.00	0.00165
608175.80	4267515.00	0.00147	608195.80	4267515.00	0.00130
608215.80	4267515.00	0.00115	608235.80	4267515.00	0.00101
608255.80	4267515.00	0.00089	608275.80	4267515.00	0.00079
608295.80	4267515.00	0.00070	608315.80	4267515.00	0.00062
608335.80	4267515.00	0.00055	608355.80	4267515.00	0.00050
607915.80	4267535.00	0.00204	607935.80	4267535.00	0.00217
607955.80	4267535.00	0.00227	607975.80	4267535.00	0.00233
607995.80	4267535.00	0.00236	608015.80	4267535.00	0.00235
608035.80	4267535.00	0.00230	608055.80	4267535.00	0.00222

UMAll_AERMOD_Mitigated_Output file

```
         608075.80    4267535.00        0.00211                        608095.80
4267535.00        0.00197
         608115.80    4267535.00        0.00181                        608135.80
4267535.00        0.00165
         608155.80    4267535.00        0.00148                        608195.80
4267535.00        0.00118
         608215.80    4267535.00        0.00105                        608235.80
4267535.00        0.00094
         608255.80    4267535.00        0.00084                        608275.80
4267535.00        0.00075
         608295.80    4267535.00        0.00067                        608315.80
4267535.00        0.00060
         608335.80    4267535.00        0.00053                        608355.80
4267535.00        0.00048
         608055.80    4267555.00        0.00196                        608075.80
4267555.00        0.00186
         608095.80    4267555.00        0.00174                        608115.80
4267555.00        0.00161
         608135.80    4267555.00        0.00147                        608155.80
4267555.00        0.00133
         608195.80    4267555.00        0.00108                        608215.80
4267555.00        0.00097
         608235.80    4267555.00        0.00088                        608255.80
4267555.00        0.00079
         608275.80    4267555.00        0.00071                        608295.80
4267555.00        0.00064
         608315.80    4267555.00        0.00057                        608335.80
4267555.00        0.00051
         608355.80    4267555.00        0.00046                        608195.80
4267575.00        0.00100
         608215.80    4267575.00        0.00090                        608235.80
4267575.00        0.00082
         608255.80    4267575.00        0.00074                        608275.80
4267575.00        0.00067
         608295.80    4267575.00        0.00060                        608315.80
4267575.00        0.00055
         608335.80    4267575.00        0.00049                        608355.80
4267575.00        0.00045
         608195.80    4267595.00        0.00092                        608215.80
4267595.00        0.00084
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***       18:29:53

                                  PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL
```

UMAll_AERMOD_Mitigated_Output file
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
608235.80	4267595.00	0.00076	608255.80	4267595.00	0.00070
608275.80	4267595.00	0.00063	608295.80	4267595.00	0.00058
608315.80	4267595.00	0.00052	608335.80	4267595.00	0.00048
608355.80	4267595.00	0.00043	608195.80	4267615.00	0.00085
608215.80	4267615.00	0.00078	608235.80	4267615.00	0.00071
608255.80	4267615.00	0.00065	608275.80	4267615.00	0.00060
608295.80	4267615.00	0.00055	608315.80	4267615.00	0.00050
608335.80	4267615.00	0.00046	608355.80	4267615.00	0.00042
608195.80	4267635.00	0.00079	608215.80	4267635.00	0.00073
608235.80	4267635.00	0.00067	608255.80	4267635.00	0.00062
608275.80	4267635.00	0.00057	608295.80	4267635.00	0.00052
608315.80	4267635.00	0.00048	608335.80	4267635.00	0.00044
608355.80	4267635.00	0.00040	607686.90	4267200.90	0.00062
607706.90	4267200.90	0.00070	607726.90	4267200.90	0.00078
607746.90	4267200.90	0.00089	607766.90	4267200.90	0.00102
607786.90	4267200.90	0.00119	607686.90	4267220.90	0.00062

UMAll_AERMOD_Mitigated_Output file

```
         607706.90    4267220.90        0.00070                    607726.90
4267220.90        0.00080
         607746.90    4267220.90        0.00091                    607766.90
4267220.90        0.00105
         607786.90    4267220.90        0.00123                    607806.90
4267220.90        0.00146
         607686.90    4267240.90        0.00063                    607706.90
4267240.90        0.00071
         607726.90    4267240.90        0.00081                    607746.90
4267240.90        0.00093
         607766.90    4267240.90        0.00108                    607786.90
4267240.90        0.00127
         607806.90    4267240.90        0.00153                    607686.90
4267260.90        0.00064
         607706.90    4267260.90        0.00073                    607726.90
4267260.90        0.00083
         607746.90    4267260.90        0.00095                    607766.90
4267260.90        0.00111
         607786.90    4267260.90        0.00132                    607806.90
4267260.90        0.00159
         607686.90    4267280.90        0.00066                    607706.90
4267280.90        0.00075
         607726.90    4267280.90        0.00085                    607746.90
4267280.90        0.00099
         607766.90    4267280.90        0.00115                    607786.90
4267280.90        0.00137
         607806.90    4267280.90        0.00166                    607686.90
4267300.90        0.00069
         607706.90    4267300.90        0.00078                    607726.90
4267300.90        0.00089
         607746.90    4267300.90        0.00102                    607766.90
4267300.90        0.00119
         607786.90    4267300.90        0.00141                    607706.90
4267320.90        0.00081
         607726.90    4267320.90        0.00092                    607746.90
4267320.90        0.00106
         607766.90    4267320.90        0.00123                    607786.90
4267320.90        0.00145
         607746.90    4267340.90        0.00108                    607766.90
4267340.90        0.00125
         607666.90    4267380.90        0.00070                    607686.90
4267380.90        0.00077
         607706.90    4267380.90        0.00086                    607726.90
4267380.90        0.00096
         607746.90    4267380.90        0.00109                    607766.90
4267380.90        0.00124
         607786.90    4267380.90        0.00144                    607666.90
4267400.90        0.00070
```

UMAll_AERMOD_Mitigated_Output file
*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 107
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
607686.90	4267400.90	0.00077	607706.90	4267400.90	0.00085
607726.90	4267400.90	0.00095	607746.90	4267400.90	0.00106
607766.90	4267400.90	0.00121	607786.90	4267400.90	0.00139
607806.90	4267400.90	0.00164	607826.90	4267400.90	0.00198
607666.90	4267420.90	0.00069	607686.90	4267420.90	0.00075
607706.90	4267420.90	0.00083	607726.90	4267420.90	0.00092
607746.90	4267420.90	0.00103	607766.90	4267420.90	0.00116
607786.90	4267420.90	0.00133	607806.90	4267420.90	0.00156
607826.90	4267420.90	0.00187	607686.90	4267440.90	0.00073
607706.90	4267440.90	0.00080	607726.90	4267440.90	0.00088
607746.90	4267440.90	0.00098	607766.90	4267440.90	0.00111
607786.90	4267440.90	0.00127	607806.90	4267440.90	0.00148

UMAll_AERMOD_Mitigated_Output file

```
         607726.90    4267460.90        0.00084                    607746.90
4267460.90        0.00094
         607766.90    4267460.90        0.00106                    607786.90
4267460.90        0.00121
         607806.90    4267460.90        0.00140                    607786.90
4267480.90        0.00115
         607885.30    4266901.70        0.00079                    607905.30
4266901.70        0.00086
         607925.30    4266901.70        0.00093                    607945.30
4266901.70        0.00099
         607985.30    4266901.70        0.00110                    607885.30
4266921.70        0.00084
         607905.30    4266921.70        0.00092                    607925.30
4266921.70        0.00099
         607945.30    4266921.70        0.00107                    607985.30
4266921.70        0.00120
         607885.30    4266941.70        0.00089                    607905.30
4266941.70        0.00098
         607925.30    4266941.70        0.00107                    607945.30
4266941.70        0.00116
         607965.30    4266941.70        0.00124                    607985.30
4266941.70        0.00131
         607725.30    4266961.70        0.00043                    607745.30
4266961.70        0.00046
         607765.30    4266961.70        0.00050                    607785.30
4266961.70        0.00055
         607805.30    4266961.70        0.00061                    607825.30
4266961.70        0.00067
         607845.30    4266961.70        0.00075                    607865.30
4266961.70        0.00085
         607885.30    4266961.70        0.00095                    607905.30
4266961.70        0.00105
         607925.30    4266961.70        0.00116                    607945.30
4266961.70        0.00126
         607965.30    4266961.70        0.00135                    607985.30
4266961.70        0.00144
         607725.30    4266981.70        0.00046                    607745.30
4266981.70        0.00049
         607765.30    4266981.70        0.00053                    607785.30
4266981.70        0.00058
         607805.30    4266981.70        0.00064                    607825.30
4266981.70        0.00071
         607845.30    4266981.70        0.00080                    607865.30
4266981.70        0.00090
         607945.30    4266981.70        0.00137                    607965.30
4266981.70        0.00149
         607725.30    4267001.70        0.00049                    607745.30
4267001.70        0.00052
```

UMAll_AERMOD_Mitigated_Output file

```
         607765.30    4267001.70        0.00057                       607785.30
4267001.70        0.00062
         607805.30    4267001.70        0.00068                       607825.30
4267001.70        0.00076
         607845.30    4267001.70        0.00085                       607865.30
4267001.70        0.00097
         607945.30    4267001.70        0.00151                       607965.30
4267001.70        0.00165
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        18:29:53

                                    PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         607725.30    4267021.70        0.00052                       607745.30
4267021.70        0.00056
         607765.30    4267021.70        0.00061                       607785.30
4267021.70        0.00066
         607805.30    4267021.70        0.00073                       607825.30
4267021.70        0.00081
         607845.30    4267021.70        0.00092                       607865.30
4267021.70        0.00104
         607725.30    4267041.70        0.00056                       607745.30
4267041.70        0.00060
         607765.30    4267041.70        0.00065                       607785.30
4267041.70        0.00071
         607805.30    4267041.70        0.00078                       607825.30
4267041.70        0.00088
         607845.30    4267041.70        0.00099                       607865.30
4267041.70        0.00113
```

UMAll_AERMOD_Mitigated_Output file

```
         607725.30    4267061.70        0.00059                    607745.30
4267061.70        0.00064
         607765.30    4267061.70        0.00070                    607785.30
4267061.70        0.00077
         607805.30    4267061.70        0.00085                    607825.30
4267061.70        0.00095
         607845.30    4267061.70        0.00107                    607865.30
4267061.70        0.00123
         607725.30    4267081.70        0.00063                    607745.30
4267081.70        0.00069
         607765.30    4267081.70        0.00075                    607785.30
4267081.70        0.00082
         607805.30    4267081.70        0.00092                    607825.30
4267081.70        0.00103
         607845.30    4267081.70        0.00117                    607865.30
4267081.70        0.00135
         607725.30    4267101.70        0.00067                    607745.30
4267101.70        0.00073
         607765.30    4267101.70        0.00080                    607785.30
4267101.70        0.00089
         607805.30    4267101.70        0.00099                    607825.30
4267101.70        0.00112
         607845.30    4267101.70        0.00128                    607865.30
4267101.70        0.00149
         607725.30    4267121.70        0.00070                    608160.20
4266951.30        0.00160
         608180.20    4266951.30        0.00157                    608200.20
4266951.30        0.00152
         608260.20    4266951.30        0.00131                    608280.20
4266951.30        0.00123
         608300.20    4266951.30        0.00115                    608320.20
4266951.30        0.00106
         608160.20    4266971.30        0.00178                    608180.20
4266971.30        0.00173
         608200.20    4266971.30        0.00166                    608365.80
4266905.80        0.00082
         608395.80    4266905.80        0.00073                    608425.80
4266905.80        0.00065
         608455.80    4266905.80        0.00057                    608485.80
4266905.80        0.00051
         608365.80    4266935.80        0.00086                    608395.80
4266935.80        0.00075
         608425.80    4266935.80        0.00066                    608455.80
4266935.80        0.00058
         608485.80    4266935.80        0.00051                    608365.80
4266965.80        0.00089
         608395.80    4266965.80        0.00077                    608425.80
4266965.80        0.00067
```

UMAll_AERMOD_Mitigated_Output file

```
         608455.80    4266965.80        0.00058                        608485.80
4266965.80        0.00050
         608365.80    4266995.80        0.00091                        608395.80
4266995.80        0.00078
         608425.80    4266995.80        0.00066                        608455.80
4266995.80        0.00057
         608485.80    4266995.80        0.00049                        608365.80
4267025.80        0.00092
         608395.80    4267025.80        0.00077                        608425.80
4267025.80        0.00065
         608455.80    4267025.80        0.00055                        608485.80
4267025.80        0.00047
         608365.80    4267055.80        0.00091                        608395.80
4267055.80        0.00075
         608425.80    4267055.80        0.00063                        608455.80
4267055.80        0.00053
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        18:29:53

                                   PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                    *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                  Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         608485.80    4267055.80        0.00045                        608365.80
4267085.80        0.00089
         608395.80    4267085.80        0.00072                        608425.80
4267085.80        0.00060
         608455.80    4267085.80        0.00050                        608485.80
4267085.80        0.00042
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
```

UMAll_AERMOD_Mitigated_Output file
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 110
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607904.50	4267338.70	0.35993	(10031419)	607909.50	4267338.70	0.35972	(10031419)
607914.50	4267338.70	0.35948	(09031119)	607919.50	4267338.70	0.35954	(09031119)
607904.50	4267343.70	0.35736	(09031119)	607909.50	4267343.70	0.35787	(09031119)
607914.50	4267343.70	0.35786	(09031119)	607919.50	4267343.70	0.35731	(09031119)
607939.50	4267343.70	0.36413	(12010219)	607944.50	4267343.70	0.36445	(12010219)
607904.50	4267348.70	0.35511	(09031119)	607909.50	4267348.70	0.35497	(09031119)
607914.50	4267348.70	0.35430	(09031119)	607934.50	4267348.70	0.36089	(12010219)
607939.50	4267348.70	0.36127	(12010219)	607944.50	4267348.70	0.36071	(12010219)
607949.50	4267348.70	0.36009	(12120318)	607954.50	4267348.70	0.35966	(12120318)
607959.50	4267348.70	0.35800	(12120318)	607964.50	4267348.70	0.25235	(12010219)
607969.50	4267348.70	0.25356	(12010219)	607974.50	4267348.70	0.25455	(12010219)
607979.50	4267348.70	0.25599	(12120318)	607984.50	4267348.70	0.25736	(12120318)
607989.50	4267348.70	0.26226	(12010608)	607994.50	4267348.70	0.26388	(12010608)

UMAll_AERMOD_Mitigated_Output file

```
       607999.50   4267348.70        0.26508  (12030320)                608004.50
4267348.70        0.26820  (12030320)
       608009.50   4267348.70        0.27044  (12030320)                608014.50
4267348.70        0.27162  (12030320)
       607899.50   4267353.70        0.43058  (12010219)                607904.50
4267353.70        0.35098  (09031119)
       607909.50   4267353.70        0.35012  (09031119)                607914.50
4267353.70        0.35091  (12010219)
       607934.50   4267353.70        0.35698  (12010219)                607939.50
4267353.70        0.35664  (12120318)
       607944.50   4267353.70        0.35756  (12120318)                607949.50
4267353.70        0.35736  (12120318)
       607954.50   4267353.70        0.35599  (12120318)                607959.50
4267353.70        0.35577  (12010608)
       607964.50   4267353.70        0.35437  (12010608)                607969.50
4267353.70        0.25203  (12120318)
       607974.50   4267353.70        0.25377  (12120318)                607979.50
4267353.70        0.25897  (12010608)
       607984.50   4267353.70        0.26079  (12010608)                607989.50
4267353.70        0.26232  (12010608)
       607994.50   4267353.70        0.26352  (12010608)                607999.50
4267353.70        0.26566  (12030320)
       608004.50   4267353.70        0.26828  (12030320)                608009.50
4267353.70        0.26994  (12030320)
       608014.50   4267353.70        0.27047  (12030320)                607899.50
4267358.70        0.42304  (12010219)
       607904.50   4267358.70        0.41971  (12010219)                607909.50
4267358.70        0.41560  (12120318)
       607934.50   4267358.70        0.35310  (12120318)                607939.50
4267358.70        0.35408  (12120318)
       607944.50   4267358.70        0.35399  (12120318)                607949.50
4267358.70        0.35368  (12010608)
       607954.50   4267358.70        0.35401  (12010608)                607959.50
4267358.70        0.35302  (12010608)
       607964.50   4267358.70        0.35106  (12123119)                607969.50
4267358.70        0.35015  (12030320)
       607974.50   4267358.70        0.25836  (12010608)                607979.50
4267358.70        0.25933  (12010608)
       607984.50   4267358.70        0.26057  (12010608)                607989.50
4267358.70        0.26172  (12123119)
       607994.50   4267358.70        0.26299  (12123119)                607999.50
4267358.70        0.26551  (12030320)
       608004.50   4267358.70        0.26742  (12030320)                608009.50
4267358.70        0.26841  (12030320)
       608014.50   4267358.70        0.27017  (13120919)                607899.50
4267363.70        0.41375  (12120318)
       607904.50   4267363.70        0.41211  (12120318)                607909.50
4267363.70        0.40952  (12120318)
```

UMAll_AERMOD_Mitigated_Output file

```
       607934.50   4267363.70        0.34984  (12120318)                607939.50
 4267363.70        0.34980  (12120318)
       607944.50   4267363.70        0.35069  (12010608)                607949.50
 4267363.70        0.35127  (12010608)
       607954.50   4267363.70        0.35059  (12010608)                607959.50
 4267363.70        0.36833  (12030320)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607964.50   4267363.70        0.36420  (12030320)                607969.50
 4267363.70        0.35954  (12030320)
       607974.50   4267363.70        0.35434  (12030320)                607979.50
 4267363.70        0.34898  (13120919)
       607984.50   4267363.70        0.34478  (13120919)                607989.50
 4267363.70        0.26105  (10020319)
       607994.50   4267363.70        0.26248  (12030320)                607999.50
 4267363.70        0.26445  (12030320)
       608004.50   4267363.70        0.26610  (13120919)                608009.50
 4267363.70        0.26858  (13120919)
       608014.50   4267363.70        0.27009  (10012719)                607899.50
 4267368.70        0.40755  (12120318)
       607904.50   4267368.70        0.40509  (12120318)                607909.50
 4267368.70        0.40180  (12120318)
       607914.50   4267368.70        0.39798  (12010608)                607919.50
 4267368.70        0.39550  (12010608)
       607924.50   4267368.70        0.39232  (12010608)                607929.50
 4267368.70        0.38853  (12010608)
```

UMAll_AERMOD_Mitigated_Output file

```
       607934.50   4267368.70        0.38421  (12010608)              607939.50
4267368.70        0.37970  (12123119)
       607944.50   4267368.70        0.37526  (12123119)              607949.50
4267368.70        0.37079  (10020319)
       607954.50   4267368.70        0.36721  (12030320)              607959.50
4267368.70        0.36324  (12030320)
       607964.50   4267368.70        0.35878  (12030320)              607969.50
4267368.70        0.35396  (13120919)
       607974.50   4267368.70        0.35061  (13120919)              607979.50
4267368.70        0.34666  (13120919)
       607984.50   4267368.70        0.34216  (10012719)              607989.50
4267368.70        0.33941  (13032320)
       607994.50   4267368.70        0.33662  (13032320)              607999.50
4267368.70        0.33334  (13032320)
       608004.50   4267368.70        0.32962  (13032320)              608009.50
4267368.70        0.32661  (09030919)
       608014.50   4267368.70        0.32339  (09030919)              607899.50
4267373.70        0.39981  (12120318)
       607904.50   4267373.70        0.39662  (12120318)              607909.50
4267373.70        0.39480  (12010608)
       607914.50   4267373.70        0.39249  (12010608)              607919.50
4267373.70        0.38946  (12010608)
       607924.50   4267373.70        0.38581  (12010608)              607929.50
4267373.70        0.38163  (12123119)
       607934.50   4267373.70        0.37778  (12123119)              607939.50
4267373.70        0.37349  (10020319)
       607944.50   4267373.70        0.36954  (10020319)              607949.50
4267373.70        0.36514  (10020319)
       607954.50   4267373.70        0.36124  (12030320)              607959.50
4267373.70        0.35692  (12030320)
       607964.50   4267373.70        0.35430  (13120919)              607969.50
4267373.70        0.35116  (13120919)
       607974.50   4267373.70        0.34744  (13120919)              607979.50
4267373.70        0.34324  (10012719)
       607984.50   4267373.70        0.33944  (13032320)              607989.50
4267373.70        0.33697  (13032320)
       607994.50   4267373.70        0.33397  (13032320)              607999.50
4267373.70        0.33049  (13032320)
       608004.50   4267373.70        0.32763  (09030919)              608009.50
4267373.70        0.32456  (09030919)
       608014.50   4267373.70        0.32118  (09030919)              607894.50
4267378.70        0.39390  (12120318)
       607899.50   4267378.70        0.39221  (12010608)              607904.50
4267378.70        0.39088  (12010608)
       607909.50   4267378.70        0.38872  (12010608)              607914.50
4267378.70        0.38583  (12010608)
       607919.50   4267378.70        0.38230  (12010608)              607924.50
4267378.70        0.37879  (12123119)
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UMAll_AERMOD_Mitigated_Output file

```
       607929.50   4267378.70        0.37504  (12123119)               607934.50
 4267378.70        0.37132  (10020319)
       607939.50   4267378.70        0.36746  (10020319)               607944.50
 4267378.70        0.36316  (10020319)
       607949.50   4267378.70        0.35848  (12030320)               607954.50
 4267378.70        0.35625  (13120919)
       607959.50   4267378.70        0.35381  (13120919)               607964.50
 4267378.70        0.35085  (13120919)
       607969.50   4267378.70        0.34736  (13120919)               607974.50
 4267378.70        0.34346  (10012719)
       607979.50   4267378.70        0.33990  (12122919)               607984.50
 4267378.70        0.33649  (13032320)
       607989.50   4267378.70        0.33379  (13032320)               607994.50
 4267378.70        0.33058  (13032320)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607999.50   4267378.70        0.32790  (09030919)               608004.50
 4267378.70        0.32502  (09030919)
       608009.50   4267378.70        0.32181  (09030919)               608014.50
 4267378.70        0.31825  (09030919)
       607889.50   4267383.70        0.38786  (12010608)               607894.50
 4267383.70        0.38759  (12010608)
       607899.50   4267383.70        0.38639  (12010608)               607904.50
 4267383.70        0.38436  (12010608)
       607909.50   4267383.70        0.38160  (12010608)               607914.50
 4267383.70        0.37843  (12123119)
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UMAll_AERMOD_Mitigated_Output file

```
       607919.50   4267383.70        0.37533  (12123119)                607924.50
4267383.70        0.37180  (10020319)
       607929.50   4267383.70        0.36852  (10020319)                607934.50
4267383.70        0.36476  (10020319)
       607939.50   4267383.70        0.36054  (10020319)                607944.50
4267383.70        0.35688  (13120919)
       607949.50   4267383.70        0.35499  (13120919)                607954.50
4267383.70        0.35267  (13120919)
       607959.50   4267383.70        0.34988  (13120919)                607964.50
4267383.70        0.34657  (13120919)
       607969.50   4267383.70        0.34296  (10012719)                607974.50
4267383.70        0.33969  (12122919)
       607979.50   4267383.70        0.33632  (12122919)                607984.50
4267383.70        0.33291  (13032320)
       607989.50   4267383.70        0.32998  (13032320)                607994.50
4267383.70        0.32748  (09030919)
       607999.50   4267383.70        0.32485  (09030919)                608004.50
4267383.70        0.32183  (09030919)
       608009.50   4267383.70        0.31846  (09030919)                608014.50
4267383.70        0.31492  (13021620)
       607889.50   4267388.70        0.38256  (12010608)                607894.50
4267388.70        0.38148  (12010608)
       607899.50   4267388.70        0.37957  (12010608)                607904.50
4267388.70        0.37691  (12010608)
       607909.50   4267388.70        0.37437  (12123119)                607914.50
4267388.70        0.37138  (12123119)
       607919.50   4267388.70        0.36841  (10020319)                607924.50
4267388.70        0.36523  (10020319)
       607929.50   4267388.70        0.36156  (10020319)                607934.50
4267388.70        0.35744  (10020319)
       607939.50   4267388.70        0.35502  (13120919)                607944.50
4267388.70        0.35324  (13120919)
       607949.50   4267388.70        0.35103  (13120919)                607954.50
4267388.70        0.34838  (13120919)
       607959.50   4267388.70        0.34524  (13120919)                607964.50
4267388.70        0.34189  (10012719)
       607969.50   4267388.70        0.33889  (12122919)                607974.50
4267388.70        0.33577  (12122919)
       607979.50   4267388.70        0.33248  (11012518)                607984.50
4267388.70        0.32960  (10122318)
       607989.50   4267388.70        0.32704  (10122318)                607994.50
4267388.70        0.32411  (09030919)
       607999.50   4267388.70        0.32133  (09030919)                608004.50
4267388.70        0.31816  (09030919)
       608009.50   4267388.70        0.31537  (13021620)                608014.50
4267388.70        0.31364  (13021620)
       607889.50   4267393.70        0.37626  (12010608)                607894.50
4267393.70        0.37445  (12010608)
```

UMAll_AERMOD_Mitigated_Output file

```
       607899.50   4267393.70        0.37215  (12123119)                607904.50
 4267393.70        0.36994  (12123119)
       607909.50   4267393.70        0.36715  (10020319)                607914.50
 4267393.70        0.36463  (10020319)
       607919.50   4267393.70        0.36156  (10020319)                607924.50
 4267393.70        0.35799  (10020319)
       607929.50   4267393.70        0.35401  (13120919)                607934.50
 4267393.70        0.35275  (13120919)
       607939.50   4267393.70        0.35107  (13120919)                607944.50
 4267393.70        0.34898  (13120919)
       607949.50   4267393.70        0.34645  (13120919)                607954.50
 4267393.70        0.34347  (13120919)
       607959.50   4267393.70        0.34037  (10012719)                607964.50
 4267393.70        0.33760  (12122919)
       607969.50   4267393.70        0.33471  (12122919)                607974.50
 4267393.70        0.33162  (11012518)
       607979.50   4267393.70        0.32892  (10122318)                607984.50
 4267393.70        0.32664  (10122318)
       607989.50   4267393.70        0.32388  (10122318)                607994.50
 4267393.70        0.32093  (09011118)
       607999.50   4267393.70        0.31796  (09011118)                608004.50
 4267393.70        0.31534  (13021620)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608009.50   4267393.70        0.31373  (13021620)                608014.50
 4267393.70        0.31213  (11120818)
```

UMAll_AERMOD_Mitigated_Output file

```
       608135.70   4267336.30        0.32612  (10030620)              608140.70
4267336.30        0.32047  (10030620)
       608145.70   4267336.30        0.31582  (09120419)              608150.70
4267336.30        0.31189  (09120419)
       608135.70   4267341.30        0.31738  (10030620)              608140.70
4267341.30        0.31277  (10030620)
       608145.70   4267341.30        0.30785  (10030620)              608150.70
4267341.30        0.30269  (10030620)
       608080.70   4267346.30        0.23228  (10030620)              608085.70
4267346.30        0.22361  (10030620)
       608090.70   4267346.30        0.22152  (10030620)              608095.70
4267346.30        0.21929  (10030620)
       608100.70   4267346.30        0.21696  (10030620)              608105.70
4267346.30        0.21459  (10030620)
       608110.70   4267346.30        0.21219  (10030620)              608115.70
4267346.30        0.31597  (10030620)
       608120.70   4267346.30        0.31463  (10030620)              608125.70
4267346.30        0.31262  (10030620)
       608130.70   4267346.30        0.31002  (10030620)              608135.70
4267346.30        0.30692  (10030620)
       608140.70   4267346.30        0.30338  (10030620)              608145.70
4267346.30        0.29949  (10030620)
       608150.70   4267346.30        0.29529  (10030620)              608060.70
4267351.30        0.22039  (10030620)
       608065.70   4267351.30        0.22123  (10030620)              608070.70
4267351.30        0.22159  (10030620)
       608075.70   4267351.30        0.22153  (10030620)              608080.70
4267351.30        0.22112  (10030620)
       608085.70   4267351.30        0.22040  (10030620)              608090.70
4267351.30        0.21224  (10030620)
       608095.70   4267351.30        0.21066  (10030620)              608100.70
4267351.30        0.20892  (10030620)
       608105.70   4267351.30        0.20707  (10030620)              608110.70
4267351.30        0.29901  (10030620)
       608115.70   4267351.30        0.29949  (10030620)              608120.70
4267351.30        0.29925  (10030620)
       608125.70   4267351.30        0.29837  (10030620)              608130.70
4267351.30        0.29691  (10030620)
       608135.70   4267351.30        0.29492  (10030620)              608140.70
4267351.30        0.29247  (10030620)
       608145.70   4267351.30        0.28962  (10030620)              608150.70
4267351.30        0.28641  (10030620)
       608155.70   4267351.30        0.28291  (10030620)              608060.70
4267356.30        0.21448  (09011020)
       608065.70   4267356.30        0.20984  (12020520)              608070.70
4267356.30        0.20799  (10030620)
       608075.70   4267356.30        0.20873  (10030620)              608080.70
4267356.30        0.20908  (10030620)
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UMAll_AERMOD_Mitigated_Output file

```
       608085.70   4267356.30        0.20910  (10030620)                608090.70
 4267356.30        0.20881  (10030620)
       608095.70   4267356.30        0.20827  (10030620)                608100.70
 4267356.30        0.20010  (10030620)
       608105.70   4267356.30        0.27846  (10030620)                608110.70
 4267356.30        0.28057  (10030620)
       608115.70   4267356.30        0.28200  (10030620)                608120.70
 4267356.30        0.28279  (10030620)
       608125.70   4267356.30        0.28296  (10030620)                608130.70
 4267356.30        0.28256  (10030620)
       608135.70   4267356.30        0.28164  (10030620)                608140.70
 4267356.30        0.28024  (10030620)
       608145.70   4267356.30        0.27841  (10030620)                608150.70
 4267356.30        0.27620  (10030620)
       608155.70   4267356.30        0.27364  (10030620)                608060.70
 4267361.30        0.20890  (09011020)
       608065.70   4267361.30        0.20460  (09011020)                608070.70
 4267361.30        0.20042  (09011020)
       608075.70   4267361.30        0.19681  (12020520)                608080.70
 4267361.30        0.19637  (10030620)
       608085.70   4267361.30        0.19709  (10030620)                608090.70
 4267361.30        0.19748  (10030620)
       608095.70   4267361.30        0.28511  (13011019)                608100.70
 4267361.30        0.28582  (09011020)
       608105.70   4267361.30        0.28674  (09011020)                608110.70
 4267361.30        0.26167  (10030620)
       608115.70   4267361.30        0.26392  (10030620)                608120.70
 4267361.30        0.26560  (10030620)
       608125.70   4267361.30        0.26671  (10030620)                608130.70
 4267361.30        0.26728  (10030620)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        18:29:53

                                    PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                ** CONC OF PM25     IN MICROGRAMS/M**3
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UMAll_AERMOD_Mitigated_Output file
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      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        608135.70   4267361.30        0.26735  (10030620)               608140.70
 4267361.30        0.26694  (10030620)
        608145.70   4267361.30        0.26609  (10030620)               608150.70
 4267361.30        0.26483  (10030620)
        608155.70   4267361.30        0.26320  (10030620)               608060.70
 4267366.30        0.30752  (11090719)
        608065.70   4267366.30        0.30542  (11090719)               608070.70
 4267366.30        0.30247  (11090719)
        608075.70   4267366.30        0.29859  (11090719)               608080.70
 4267366.30        0.29382  (11090719)
        608085.70   4267366.30        0.28822  (11090719)               608090.70
 4267366.30        0.28189  (11090719)
        608095.70   4267366.30        0.27493  (11090719)               608100.70
 4267366.30        0.27506  (13011019)
        608105.70   4267366.30        0.27556  (09011020)               608110.70
 4267366.30        0.27644  (09011020)
        608115.70   4267366.30        0.27712  (09011020)               608120.70
 4267366.30        0.27752  (09011020)
        608125.70   4267366.30        0.27786  (12020520)               608130.70
 4267366.30        0.27801  (12020520)
        608135.70   4267366.30        0.28168  (10030620)               608140.70
 4267366.30        0.28664  (10030620)
        608145.70   4267366.30        0.29124  (10030620)               608150.70
 4267366.30        0.29543  (10030620)
        608155.70   4267366.30        0.29918  (10030620)               608060.70
 4267371.30        0.30611  (09011119)
        608065.70   4267371.30        0.30461  (09011119)               608070.70
 4267371.30        0.30217  (09011119)
        608075.70   4267371.30        0.29867  (09011119)               608080.70
 4267371.30        0.29407  (09011119)
        608085.70   4267371.30        0.28839  (09011119)               608090.70
 4267371.30        0.28173  (09011119)
        608095.70   4267371.30        0.27419  (09011119)               608100.70
 4267371.30        0.26584  (09011119)
        608105.70   4267371.30        0.26539  (13011019)               608110.70
 4267371.30        0.26557  (09011020)
        608115.70   4267371.30        0.26639  (09011020)               608120.70
 4267371.30        0.26694  (09011020)
        608125.70   4267371.30        0.26715  (09011020)               608130.70
 4267371.30        0.26706  (12020520)
        608135.70   4267371.30        0.26695  (12020520)               608140.70
 4267371.30        0.26622  (12020520)
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       608145.70   4267371.30        0.27033  (10030620)                608150.70
 4267371.30        0.27467  (10030620)
       608155.70   4267371.30        0.27869  (10030620)                608060.70
 4267376.30        0.30662  (09011119)
       608065.70   4267376.30        0.30503  (09011119)                608070.70
 4267376.30        0.30252  (09011119)
       608075.70   4267376.30        0.29898  (09011119)                608080.70
 4267376.30        0.29437  (09011119)
       608085.70   4267376.30        0.28872  (09011119)                608090.70
 4267376.30        0.28210  (09011119)
       608095.70   4267376.30        0.27461  (09011119)                608100.70
 4267376.30        0.26632  (09011119)
       608105.70   4267376.30        0.25726  (09011119)                608110.70
 4267376.30        0.25616  (13011019)
       608115.70   4267376.30        0.25607  (13011019)                608120.70
 4267376.30        0.25673  (09011020)
       608125.70   4267376.30        0.25714  (09011020)                608130.70
 4267376.30        0.25716  (09011020)
       608135.70   4267376.30        0.25670  (12020520)                608140.70
 4267376.30        0.25637  (12020520)
       608145.70   4267376.30        0.25541  (12020520)                608150.70
 4267376.30        0.25455  (10030418)
       608155.70   4267376.30        0.25875  (10030620)                608060.70
 4267381.30        0.30657  (13012018)
       608065.70   4267381.30        0.30489  (13012018)                608070.70
 4267381.30        0.30232  (13012018)
       608075.70   4267381.30        0.29875  (09011119)                608080.70
 4267381.30        0.29414  (09011119)
       608085.70   4267381.30        0.28851  (09011119)                608090.70
 4267381.30        0.28194  (09011119)
       608095.70   4267381.30        0.27451  (09011119)                608100.70
 4267381.30        0.26628  (09011119)
       608105.70   4267381.30        0.25726  (09011119)                608110.70
 4267381.30        0.24743  (09011119)
       608115.70   4267381.30        0.24736  (13011019)                608120.70
 4267381.30        0.24714  (13011019)
       608125.70   4267381.30        0.24752  (09011020)                608130.70
 4267381.30        0.24778  (09011020)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        18:29:53

                                  PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
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UMAll_AERMOD_Mitigated_Output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608135.70	4267381.30	0.24760	(09011020)	608140.70	4267381.30	0.24690	(09011020)
608145.70	4267381.30	0.24632	(12020520)	608150.70	4267381.30	0.24517	(12020520)
608155.70	4267381.30	0.24332	(12020520)	608060.70	4267386.30	0.30604	(13012018)
608065.70	4267386.30	0.30427	(13012018)	608070.70	4267386.30	0.30164	(13012018)
608075.70	4267386.30	0.29805	(13012018)	608080.70	4267386.30	0.29344	(13012018)
608085.70	4267386.30	0.28785	(13012018)	608090.70	4267386.30	0.28133	(13012018)
608095.70	4267386.30	0.27396	(13012018)	608100.70	4267386.30	0.26578	(13012018)
608105.70	4267386.30	0.25681	(13012018)	608110.70	4267386.30	0.24702	(13012018)
608115.70	4267386.30	0.23902	(13011019)	608120.70	4267386.30	0.23898	(13011019)
608125.70	4267386.30	0.23860	(13011019)	608130.70	4267386.30	0.23878	(09011020)
608135.70	4267386.30	0.23887	(09011020)	608140.70	4267386.30	0.23850	(09011020)
608145.70	4267386.30	0.23759	(09011020)	608150.70	4267386.30	0.23682	(12020520)
608155.70	4267386.30	0.23551	(12020520)	608060.70	4267391.30	0.30510	(13012018)
608065.70	4267391.30	0.30326	(13012018)	608070.70	4267391.30	0.30058	(13012018)
608075.70	4267391.30	0.29696	(13012018)	608080.70	4267391.30	0.29236	(13012018)
608085.70	4267391.30	0.28680	(13012018)	608090.70	4267391.30	0.28034	(13012018)
608095.70	4267391.30	0.27302	(13012018)	608100.70	4267391.30	0.26490	(13012018)

UMAll_AERMOD_Mitigated_Output file

608105.70 4267391.30 0.25598 (13012018) 608110.70
4267391.30 0.24623 (13012018)
608115.70 4267391.30 0.23559 (13012018) 608120.70
4267391.30 0.23119 (13011019)
608125.70 4267391.30 0.23100 (13011019) 608130.70
4267391.30 0.23042 (13011019)
608135.70 4267391.30 0.23049 (09011020) 608140.70
4267391.30 0.23042 (09011020)
608145.70 4267391.30 0.22986 (09011020) 608150.70
4267391.30 0.22875 (09011020)
608155.70 4267391.30 0.22786 (12020520) 608060.70
4267396.30 0.30382 (13012018)
608065.70 4267396.30 0.30190 (13012018) 608070.70
4267396.30 0.29917 (13012018)
608075.70 4267396.30 0.29553 (13012018) 608080.70
4267396.30 0.29095 (13012018)
608085.70 4267396.30 0.28543 (13012018) 608090.70
4267396.30 0.27901 (13012018)
608095.70 4267396.30 0.27176 (13012018) 608100.70
4267396.30 0.26369 (13012018)
608105.70 4267396.30 0.25482 (13012018) 608110.70
4267396.30 0.24512 (13012018)
608115.70 4267396.30 0.23453 (13012018) 608120.70
4267396.30 0.22373 (13011019)
608125.70 4267396.30 0.22372 (13011019) 608130.70
4267396.30 0.22336 (13011019)
608135.70 4267396.30 0.22258 (13011019) 608140.70
4267396.30 0.22263 (09011020)
608145.70 4267396.30 0.22239 (09011020) 608150.70
4267396.30 0.22165 (09011020)
608155.70 4267396.30 0.22039 (12020520) 608055.70
4267401.30 0.30359 (13012018)
608060.70 4267401.30 0.30225 (13012018) 608065.70
4267401.30 0.30026 (13012018)
608070.70 4267401.30 0.29749 (13012018) 608075.70
4267401.30 0.29383 (13012018)
608080.70 4267401.30 0.28926 (13012018) 608085.70
4267401.30 0.28378 (13012018)
608090.70 4267401.30 0.27742 (13012018) 608095.70
4267401.30 0.27022 (13012018)
608100.70 4267401.30 0.26221 (13012018) 608105.70
4267401.30 0.25339 (13012018)
608110.70 4267401.30 0.24374 (13012018) 608115.70
4267401.30 0.23319 (13012018)
608120.70 4267401.30 0.22169 (13012018) 608125.70
4267401.30 0.21676 (13011019)

UMAll_AERMOD_Mitigated_Output file
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 116
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608130.70	4267401.30	0.21659	(13011019)	608135.70	4267401.30	0.21604	(13011019)
608140.70	4267401.30	0.21513	(09011020)	608145.70	4267401.30	0.21517	(09011020)
608150.70	4267401.30	0.21476	(09011020)	608155.70	4267401.30	0.21386	(09011020)
608055.70	4267406.30	0.30186	(13012018)	608060.70	4267406.30	0.30044	(13012018)
608065.70	4267406.30	0.29839	(13012018)	608070.70	4267406.30	0.29557	(13012018)
608075.70	4267406.30	0.29190	(13012018)	608080.70	4267406.30	0.28734	(13012018)
608085.70	4267406.30	0.28190	(13012018)	608090.70	4267406.30	0.27559	(13012018)
608095.70	4267406.30	0.26844	(13012018)	608100.70	4267406.30	0.26049	(13012018)
608105.70	4267406.30	0.25173	(13012018)	608110.70	4267406.30	0.24212	(13012018)
608115.70	4267406.30	0.23163	(13012018)	608120.70	4267406.30	0.22019	(13012018)
608125.70	4267406.30	0.21007	(13011019)	608130.70	4267406.30	0.21010	(13011019)
608135.70	4267406.30	0.20976	(13011019)	608140.70	4267406.30	0.20901	(13011019)
608145.70	4267406.30	0.20818	(09011020)	608150.70	4267406.30	0.20807	(09011020)

UMAll_AERMOD_Mitigated_Output file

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       608155.70   4267406.30        0.20751  (09011020)              608055.70
4267411.30        0.29992  (13012018)
       608060.70   4267411.30        0.29843  (13012018)              608065.70
4267411.30        0.29631  (13012018)
       608070.70   4267411.30        0.29346  (13012018)              608075.70
4267411.30        0.28978  (13012018)
       608080.70   4267411.30        0.28524  (13012018)              608085.70
4267411.30        0.27982  (13012018)
       608090.70   4267411.30        0.27356  (13012018)              608095.70
4267411.30        0.26648  (13012018)
       608100.70   4267411.30        0.25858  (13012018)              608105.70
4267411.30        0.24987  (13012018)
       608110.70   4267411.30        0.24031  (13012018)              608115.70
4267411.30        0.22987  (13012018)
       608120.70   4267411.30        0.21851  (13012018)              608125.70
4267411.30        0.20619  (13012018)
       608130.70   4267411.30        0.20386  (13011019)              608135.70
4267411.30        0.20372  (13011019)
       608140.70   4267411.30        0.20320  (13011019)              608145.70
4267411.30        0.20225  (13011019)
       608150.70   4267411.30        0.20158  (09011020)              608155.70
4267411.30        0.20132  (09011020)
       608055.70   4267416.30        0.29782  (13012018)              608060.70
4267416.30        0.29625  (13012018)
       608065.70   4267416.30        0.29408  (13012018)              608070.70
4267416.30        0.29119  (13012018)
       608075.70   4267416.30        0.28750  (13012018)              608080.70
4267416.30        0.28297  (13012018)
       608085.70   4267416.30        0.27759  (13012018)              608090.70
4267416.30        0.27138  (13012018)
       608095.70   4267416.30        0.26435  (13012018)              608100.70
4267416.30        0.25651  (13012018)
       608105.70   4267416.30        0.24785  (13012018)              608110.70
4267416.30        0.23835  (13012018)
       608115.70   4267416.30        0.22797  (13012018)              608120.70
4267416.30        0.21668  (13012018)
       608125.70   4267416.30        0.20446  (13012018)              608130.70
4267416.30        0.19785  (13011019)
       608135.70   4267416.30        0.19789  (13011019)              608140.70
4267416.30        0.19758  (13011019)
       608145.70   4267416.30        0.19687  (13011019)              608150.70
4267416.30        0.19572  (13011019)
       608155.70   4267416.30        0.19528  (09011020)              608055.70
4267421.30        0.29557  (13012018)
       608060.70   4267421.30        0.29394  (13012018)              608065.70
4267421.30        0.29172  (13012018)
       608070.70   4267421.30        0.28879  (13012018)              608075.70
4267421.30        0.28509  (13012018)
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UMAll_AERMOD_Mitigated_Output file

608080.70 4267421.30 0.28058 (13012018) 608085.70 4267421.30 0.27523 (13012018)
608090.70 4267421.30 0.26907 (13012018) 608095.70 4267421.30 0.26208 (13012018)
608100.70 4267421.30 0.25430 (13012018) 608105.70 4267421.30 0.24569 (13012018)

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608110.70	4267421.30	0.23625	(13012018)	608115.70	4267421.30	0.22594	(13012018)
608120.70	4267421.30	0.21473	(13012018)	608125.70	4267421.30	0.20261	(13012018)
608130.70	4267421.30	0.19255	(11121819)	608135.70	4267421.30	0.19227	(13011019)
608140.70	4267421.30	0.19216	(13011019)	608145.70	4267421.30	0.19167	(13011019)
608150.70	4267421.30	0.19077	(13011019)	608155.70	4267421.30	0.18943	(13011019)
607829.90	4267188.00	0.43722	(11121017)	607834.90	4267188.00	0.43892	(11121017)
607839.90	4267188.00	0.44056	(11123118)	607844.90	4267188.00	0.44204	(11123118)
607849.90	4267188.00	0.44371	(13010208)	607854.90	4267188.00	0.44482	(13010208)
607859.90	4267188.00	0.44529	(13010208)	607864.90	4267188.00	0.44508	(13010208)

UMAll_AERMOD_Mitigated_Output file

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       607869.90   4267188.00        0.44415  (13010208)              607874.90
4267188.00        0.44247  (13010208)
       607879.90   4267188.00        0.44002  (13010208)              607829.90
4267193.00        0.43790  (11123117)
       607834.90   4267193.00        0.44031  (11121017)              607839.90
4267193.00        0.44248  (11121017)
       607844.90   4267193.00        0.44415  (11121017)              607849.90
4267193.00        0.44530  (11121017)
       607854.90   4267193.00        0.44647  (11123118)              607859.90
4267193.00        0.44739  (13010208)
       607864.90   4267193.00        0.44828  (13010208)              607869.90
4267193.00        0.44849  (13010208)
       607874.90   4267193.00        0.44797  (13010208)              607879.90
4267193.00        0.44669  (13010208)
       607829.90   4267198.00        0.44014  (11123117)              607834.90
4267198.00        0.44215  (11123117)
       607839.90   4267198.00        0.44373  (11123117)              607844.90
4267198.00        0.44487  (11123117)
       607849.90   4267198.00        0.44672  (11121017)              607854.90
4267198.00        0.44830  (11121017)
       607859.90   4267198.00        0.44931  (11121017)              607864.90
4267198.00        0.44972  (11121017)
       607869.90   4267198.00        0.45018  (11123118)              607874.90
4267198.00        0.45032  (13010208)
       607879.90   4267198.00        0.45016  (13010208)              607839.90
4267203.00        0.44489  (11123117)
       607844.90   4267203.00        0.44688  (11123117)              607849.90
4267203.00        0.44842  (11123117)
       607854.90   4267203.00        0.44947  (11123117)              607859.90
4267203.00        0.45002  (11123117)
       607864.90   4267203.00        0.45108  (11121017)              607869.90
4267203.00        0.45185  (11121017)
       607874.90   4267203.00        0.45197  (11121017)              607879.90
4267203.00        0.45145  (11123118)
       607839.90   4267208.00        0.44768  (13010718)              607844.90
4267208.00        0.44787  (13010718)
       607849.90   4267208.00        0.44841  (11123117)              607854.90
4267208.00        0.45029  (11123117)
       607859.90   4267208.00        0.45168  (11123117)              607864.90
4267208.00        0.45255  (11123117)
       607869.90   4267208.00        0.45287  (11123117)              607874.90
4267208.00        0.45259  (11123117)
       607879.90   4267208.00        0.45257  (11121017)              607839.90
4267213.00        0.45199  (13010718)
       607844.90   4267213.00        0.45287  (13010718)              607849.90
4267213.00        0.45337  (13010718)
       607854.90   4267213.00        0.45347  (13010718)              607859.90
4267213.00        0.45314  (13010718)
```

UMAll_AERMOD_Mitigated_Output file

```
       607864.90   4267213.00        0.45235  (13010718)               607869.90
 4267213.00        0.45320  (11123117)
       607874.90   4267213.00        0.45375  (11123117)               607879.90
 4267213.00        0.45369  (11123117)
       607839.90   4267218.00        0.45348  (13010718)               607844.90
 4267218.00        0.45498  (13010718)
       607849.90   4267218.00        0.45612  (13010718)               607854.90
 4267218.00        0.45687  (13010718)
       607859.90   4267218.00        0.45720  (13010718)               607864.90
 4267218.00        0.45708  (13010718)
       607869.90   4267218.00        0.45649  (13010718)               607874.90
 4267218.00        0.45539  (13010718)
       607879.90   4267218.00        0.45374  (13010718)               607839.90
 4267223.00        0.45527  (10013119)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607844.90   4267223.00        0.45631  (10013119)               607849.90
 4267223.00        0.45701  (10013119)
       607854.90   4267223.00        0.45743  (13010718)               607859.90
 4267223.00        0.45834  (13010718)
       607864.90   4267223.00        0.45882  (13010718)               607869.90
 4267223.00        0.45884  (13010718)
       607874.90   4267223.00        0.45835  (13010718)               607879.90
 4267223.00        0.45732  (13010718)
       607839.90   4267228.00        0.45571  (10013119)               607844.90
 4267228.00        0.45723  (10013119)
```

UMAll_AERMOD_Mitigated_Output file

```
       607849.90   4267228.00        0.45841  (10013119)              607854.90
4267228.00        0.45924  (10013119)
       607859.90   4267228.00        0.45968  (10013119)              607864.90
4267228.00        0.45972  (10013119)
       607869.90   4267228.00        0.45931  (10013119)              607874.90
4267228.00        0.45843  (10013119)
       607879.90   4267228.00        0.45790  (13010718)              607839.90
4267233.00        0.45719  (12120917)
       607844.90   4267233.00        0.45828  (12120917)              607849.90
4267233.00        0.45906  (12120917)
       607854.90   4267233.00        0.45950  (12120917)              607859.90
4267233.00        0.45957  (12120917)
       607864.90   4267233.00        0.45990  (10013119)              607869.90
4267233.00        0.45993  (10013119)
       607874.90   4267233.00        0.45947  (10013119)              607879.90
4267233.00        0.45850  (10013119)
       607839.90   4267238.00        0.45676  (12120917)              607844.90
4267238.00        0.45825  (12120917)
       607849.90   4267238.00        0.45940  (12120917)              607854.90
4267238.00        0.46020  (12120917)
       607859.90   4267238.00        0.46063  (12120917)              607864.90
4267238.00        0.46067  (12120917)
       607869.90   4267238.00        0.46027  (12120917)              607874.90
4267238.00        0.45941  (12120917)
       607879.90   4267238.00        0.45804  (12120917)              607839.90
4267243.00        0.45398  (12120917)
       607844.90   4267243.00        0.45585  (12120917)              607849.90
4267243.00        0.45738  (12120917)
       607854.90   4267243.00        0.45855  (12120917)              607859.90
4267243.00        0.45933  (12120917)
       607864.90   4267243.00        0.45969  (12120917)              607869.90
4267243.00        0.45961  (12120917)
       607874.90   4267243.00        0.45906  (12120917)              607879.90
4267243.00        0.45798  (12120917)
       607839.90   4267248.00        0.44886  (12120917)              607844.90
4267248.00        0.45114  (12120917)
       607849.90   4267248.00        0.45306  (12120917)              607854.90
4267248.00        0.45461  (12120917)
       607859.90   4267248.00        0.45575  (12120917)              607864.90
4267248.00        0.45645  (12120917)
       607869.90   4267248.00        0.45670  (12120917)              607874.90
4267248.00        0.45644  (12120917)
       607879.90   4267248.00        0.45565  (12120917)              607839.90
4267253.00        0.45555  (12010919)
       607844.90   4267253.00        0.45588  (12010919)              607849.90
4267253.00        0.45591  (12010919)
       607854.90   4267253.00        0.45563  (12010919)              607859.90
4267253.00        0.45500  (12010919)
```

UMAll_AERMOD_Mitigated_Output file

```
       607864.90   4267253.00        0.45400  (12010919)                607869.90
 4267253.00        0.45259  (12010919)
       607874.90   4267253.00        0.45163  (12120917)                607879.90
 4267253.00        0.45113  (12120917)
       607839.90   4267258.00        0.46112  (12010919)                607844.90
 4267258.00        0.46156  (12010919)
       607849.90   4267258.00        0.46170  (12010919)                607854.90
 4267258.00        0.46150  (12010919)
       607859.90   4267258.00        0.46093  (12010919)                607864.90
 4267258.00        0.45996  (12010919)
       607869.90   4267258.00        0.45855  (12010919)                607874.90
 4267258.00        0.45666  (12010919)
       607879.90   4267258.00        0.45423  (12010919)                607839.90
 4267263.00        0.46445  (12010919)
       607844.90   4267263.00        0.46506  (12010919)                607849.90
 4267263.00        0.46534  (12010919)
       607854.90   4267263.00        0.46527  (12010919)                607859.90
 4267263.00        0.46481  (12010919)
       607864.90   4267263.00        0.46393  (12010919)                607869.90
 4267263.00        0.46259  (12010919)
       607874.90   4267263.00        0.46073  (12010919)                607879.90
 4267263.00        0.45830  (12010919)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607839.90   4267268.00        0.46536  (12010919)                607844.90
 4267268.00        0.46618  (12010919)
```

UMAll_AERMOD_Mitigated_Output file

```
       607849.90   4267268.00        0.46667  (12010919)              607854.90
4267268.00        0.46679  (12010919)
       607859.90   4267268.00        0.46650  (12010919)              607864.90
4267268.00        0.46577  (12010919)
       607869.90   4267268.00        0.46456  (12010919)              607874.90
4267268.00        0.46280  (12010919)
       607879.90   4267268.00        0.46043  (12010919)              607839.90
4267273.00        0.46356  (12010919)
       607844.90   4267273.00        0.46464  (12010919)              607849.90
4267273.00        0.46538  (12010919)
       607854.90   4267273.00        0.46574  (12010919)              607859.90
4267273.00        0.46569  (12010919)
       607864.90   4267273.00        0.46517  (12010919)              607869.90
4267273.00        0.46415  (12010919)
       607874.90   4267273.00        0.46256  (12010919)              607879.90
4267273.00        0.46034  (12010919)
       607839.90   4267278.00        0.45868  (12010919)              607844.90
4267278.00        0.46006  (12010919)
       607849.90   4267278.00        0.46108  (12010919)              607854.90
4267278.00        0.46173  (12010919)
       607859.90   4267278.00        0.46195  (12010919)              607864.90
4267278.00        0.46171  (12010919)
       607869.90   4267278.00        0.46094  (12010919)              607874.90
4267278.00        0.45958  (12010919)
       607879.90   4267278.00        0.45756  (12010919)              607868.80
4267305.40        0.46602  (13012019)
       607873.80   4267305.40        0.46673  (11040819)              607878.80
4267305.40        0.37199  (13012019)
       607868.80   4267310.40        0.46890  (11040819)              607873.80
4267310.40        0.46915  (11040819)
       607878.80   4267310.40        0.37031  (13010719)              607828.80
4267315.40        0.46228  (13010719)
       607833.80   4267315.40        0.46387  (13010719)              607838.80
4267315.40        0.46511  (13010719)
       607843.80   4267315.40        0.46597  (13010719)              607848.80
4267315.40        0.46640  (13010719)
       607863.80   4267315.40        0.46781  (11040819)              607868.80
4267315.40        0.46821  (11040819)
       607873.80   4267315.40        0.46795  (11040819)              607878.80
4267315.40        0.36751  (13010719)
       607823.80   4267320.40        0.46008  (13010719)              607828.80
4267320.40        0.46147  (13010719)
       607833.80   4267320.40        0.46253  (13010719)              607838.80
4267320.40        0.46324  (13010719)
       607843.80   4267320.40        0.46356  (13010719)              607848.80
4267320.40        0.46346  (13010719)
       607853.80   4267320.40        0.46293  (13010719)              607858.80
4267320.40        0.46346  (11040819)
```

UMAll_AERMOD_Mitigated_Output file

```
       607863.80   4267320.40        0.46386  (11040819)                607868.80
 4267320.40        0.46368  (11040819)
       607873.80   4267320.40        0.46285  (11040819)                607823.80
 4267325.40        0.45622  (13010719)
       607828.80   4267325.40        0.45702  (13010719)                607833.80
 4267325.40        0.45749  (13010719)
       607838.80   4267325.40        0.45760  (13010719)                607843.80
 4267325.40        0.45734  (13010719)
       607848.80   4267325.40        0.45666  (13010719)                607853.80
 4267325.40        0.45848  (13030220)
       607858.80   4267325.40        0.46083  (13030220)                607863.80
 4267325.40        0.46250  (13030220)
       607868.80   4267325.40        0.46346  (13030220)                607873.80
 4267325.40        0.46363  (13030220)
       607818.80   4267330.40        0.44818  (13010719)                607823.80
 4267330.40        0.44866  (13010719)
       607828.80   4267330.40        0.44949  (09011117)                607833.80
 4267330.40        0.45013  (09011117)
       607838.80   4267330.40        0.45245  (13121219)                607843.80
 4267330.40        0.45501  (13030220)
       607848.80   4267330.40        0.45768  (13030220)                607853.80
 4267330.40        0.45976  (13030220)
       607858.80   4267330.40        0.46122  (13030220)                607863.80
 4267330.40        0.46201  (13030220)
       607868.80   4267330.40        0.46209  (13030220)                607873.80
 4267330.40        0.46142  (13030220)
       607818.80   4267335.40        0.44486  (13121219)                607823.80
 4267335.40        0.44784  (13121219)
       607828.80   4267335.40        0.45037  (13121219)                607833.80
 4267335.40        0.45239  (13121219)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_Mitigated_Output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607838.80	4267335.40	0.45390	(13121219)	607843.80	4267335.40	0.45487	(13121219)
607848.80	4267335.40	0.45644	(13030220)	607853.80	4267335.40	0.45758	(13030220)
607858.80	4267335.40	0.45811	(13030220)	607863.80	4267335.40	0.45798	(13030220)
607868.80	4267335.40	0.45716	(13030220)	607813.80	4267340.40	0.44410	(13121219)
607818.80	4267340.40	0.44664	(13121219)	607823.80	4267340.40	0.44874	(13121219)
607828.80	4267340.40	0.45035	(13121219)	607833.80	4267340.40	0.45146	(13121219)
607838.80	4267340.40	0.45205	(13121219)	607843.80	4267340.40	0.45209	(13121219)
607848.80	4267340.40	0.45176	(13030220)	607853.80	4267340.40	0.45239	(10031419)
607858.80	4267340.40	0.45345	(10031419)	607863.80	4267340.40	0.45378	(10031419)
607868.80	4267340.40	0.45334	(10031419)	607813.80	4267345.40	0.44363	(13121219)
607818.80	4267345.40	0.44524	(13121219)	607823.80	4267345.40	0.44640	(13121219)
607828.80	4267345.40	0.44706	(13121219)	607833.80	4267345.40	0.44723	(13121219)
607838.80	4267345.40	0.44766	(12012820)	607843.80	4267345.40	0.44785	(12012820)
607848.80	4267345.40	0.44809	(10031419)	607853.80	4267345.40	0.44878	(10031419)
607858.80	4267345.40	0.44877	(10031419)	607863.80	4267345.40	0.44805	(10031419)
607813.80	4267350.40	0.43999	(13121219)	607818.80	4267350.40	0.44070	(12012820)
607823.80	4267350.40	0.44215	(12012820)	607828.80	4267350.40	0.44305	(12012820)
607833.80	4267350.40	0.44339	(12012820)	607838.80	4267350.40	0.44316	(12012820)
607843.80	4267350.40	0.44233	(12012820)	607848.80	4267350.40	0.44238	(10031419)
607853.80	4267350.40	0.44199	(10031419)	607858.80	4267350.40	0.44306	(09031119)
607863.80	4267350.40	0.44352	(09031119)	607818.80	4267355.40	0.43723	(12012820)

UMAll_AERMOD_Mitigated_Output file

```
       607823.80   4267355.40        0.43764  (12012820)                607828.80
 4267355.40        0.43751  (12012820)
       607833.80   4267355.40        0.43707  (12011318)                607838.80
 4267355.40        0.43844  (12011318)
       607843.80   4267355.40        0.43907  (12011318)                607848.80
 4267355.40        0.43897  (12011318)
       607853.80   4267355.40        0.43878  (09031119)                607858.80
 4267355.40        0.43890  (09031119)
       607863.80   4267355.40        0.43821  (09031119)                607828.80
 4267360.40        0.43428  (12011318)
       607833.80   4267360.40        0.43519  (12011318)                607838.80
 4267360.40        0.43541  (12011318)
       607843.80   4267360.40        0.43491  (12011318)                607848.80
 4267360.40        0.43412  (10122319)
       607853.80   4267360.40        0.43350  (10122319)                607858.80
 4267360.40        0.43253  (13010118)
       607833.80   4267365.40        0.43052  (12011318)                607838.80
 4267365.40        0.43072  (10122319)
       607843.80   4267365.40        0.43056  (13010118)                607848.80
 4267365.40        0.43030  (13010118)
       607853.80   4267365.40        0.42924  (13010118)                607858.80
 4267365.40        0.42784  (09011608)
       607843.80   4267370.40        0.42628  (13010118)                607848.80
 4267370.40        0.42556  (09011608)
       607853.80   4267370.40        0.42409  (09011608)                607853.80
 4267375.40        0.41689  (09011608)
       608197.70   4267245.00        0.36581  (10122718)                608202.70
 4267245.00        0.35901  (10122718)
       608207.70   4267245.00        0.35227  (10122718)                608212.70
 4267245.00        0.34559  (10122718)
       608217.70   4267245.00        0.33898  (10122718)                608222.70
 4267245.00        0.33245  (10122718)
       608227.70   4267245.00        0.32599  (10122718)                608232.70
 4267245.00        0.31961  (10122718)
       608237.70   4267245.00        0.31331  (10122718)                608242.70
 4267245.00        0.30752  (12120920)
       608247.70   4267245.00        0.30204  (12120920)                608192.70
 4267250.00        0.37665  (10122718)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_Mitigated_Output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608197.70	4267250.00	0.36948	(10122718)	608202.70	4267250.00	0.36264	(12120920)
608207.70	4267250.00	0.35597	(12120920)	608212.70	4267250.00	0.34939	(12120920)
608217.70	4267250.00	0.34290	(12120920)	608222.70	4267250.00	0.33651	(12120920)
608227.70	4267250.00	0.33023	(12120920)	608232.70	4267250.00	0.32405	(12120920)
608237.70	4267250.00	0.31799	(12120920)	608242.70	4267250.00	0.31203	(12120920)
608247.70	4267250.00	0.30620	(12120920)	608192.70	4267255.00	0.38288	(12120920)
608197.70	4267255.00	0.37579	(12120920)	608202.70	4267255.00	0.36872	(12120920)
608207.70	4267255.00	0.36168	(12120920)	608212.70	4267255.00	0.35472	(12120920)
608217.70	4267255.00	0.34784	(12120920)	608222.70	4267255.00	0.34106	(12120920)
608227.70	4267255.00	0.33438	(12120920)	608232.70	4267255.00	0.32782	(12120920)
608237.70	4267255.00	0.32138	(12120920)	608242.70	4267255.00	0.31506	(12120920)
608247.70	4267255.00	0.30886	(12120920)	608222.70	4267260.00	0.34399	(12120920)
608227.70	4267260.00	0.33692	(12120920)	608232.70	4267260.00	0.32996	(12120920)
608237.70	4267260.00	0.32314	(12120920)	608242.70	4267260.00	0.31645	(12120920)
608247.70	4267260.00	0.30991	(12120920)	608222.70	4267265.00	0.34832	(09010608)
608227.70	4267265.00	0.34125	(09010608)	608232.70	4267265.00	0.33435	(09010608)
608237.70	4267265.00	0.32761	(09010608)	608242.70	4267265.00	0.32104	(09010608)

UMAll_AERMOD_Mitigated_Output file

```
       608247.70   4267265.00        0.31464  (09010608)              608222.70
4267270.00        0.35353  (09010608)
       608227.70   4267270.00        0.34612  (09010608)              608232.70
4267270.00        0.33889  (09010608)
       608237.70   4267270.00        0.33183  (09010608)              608242.70
4267270.00        0.32496  (09010608)
       608247.70   4267270.00        0.31828  (09010608)              608222.70
4267275.00        0.35667  (09010608)
       608227.70   4267275.00        0.34895  (09010608)              608232.70
4267275.00        0.34141  (09010608)
       608237.70   4267275.00        0.33407  (09010608)              608242.70
4267275.00        0.32694  (09010608)
       608247.70   4267275.00        0.32000  (09010608)              608222.70
4267280.00        0.35748  (09010608)
       608227.70   4267280.00        0.34948  (09010608)              608232.70
4267280.00        0.34170  (09010608)
       608237.70   4267280.00        0.33413  (09010608)              608242.70
4267280.00        0.32678  (09010608)
       608247.70   4267280.00        0.31965  (09010608)              608222.70
4267285.00        0.35570  (09010608)
       608227.70   4267285.00        0.34751  (09010608)              608232.70
4267285.00        0.33955  (09010608)
       608237.70   4267285.00        0.33182  (09010608)              608242.70
4267285.00        0.32433  (09010608)
       608247.70   4267285.00        0.31708  (09010608)              608222.70
4267290.00        0.35878  (12121108)
       608227.70   4267290.00        0.35006  (12121108)              608232.70
4267290.00        0.34160  (12121108)
       608237.70   4267290.00        0.33340  (12121108)              608242.70
4267290.00        0.32545  (12121108)
       608247.70   4267290.00        0.31776  (12121108)              608222.70
4267295.00        0.36396  (12121108)
       608227.70   4267295.00        0.35524  (12121108)              608232.70
4267295.00        0.34678  (12121108)
       608237.70   4267295.00        0.33857  (12121108)              608242.70
4267295.00        0.33062  (12121108)
       608247.70   4267295.00        0.32292  (12121108)              608222.70
4267300.00        0.36631  (12121108)
       608227.70   4267300.00        0.35772  (12121108)              608232.70
4267300.00        0.34938  (12121108)
       608237.70   4267300.00        0.34128  (12121108)              608242.70
4267300.00        0.33343  (12121108)
       608247.70   4267300.00        0.32582  (12121108)              608222.70
4267305.00        0.36633  (12012519)
       608227.70   4267305.00        0.35764  (12012519)              608232.70
4267305.00        0.34919  (12121108)
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UMAll_AERMOD_Mitigated_Output file
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 122
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608237.70	4267305.00	0.34132	(12121108)	608242.70	4267305.00	0.33369	(12121108)
608247.70	4267305.00	0.32628	(12121108)	608222.70	4267310.00	0.36545	(12012519)
608227.70	4267310.00	0.35716	(12012519)	608232.70	4267310.00	0.34906	(12012519)
608237.70	4267310.00	0.34116	(12012519)	608242.70	4267310.00	0.33348	(12012519)
608247.70	4267310.00	0.32600	(12012519)	608192.70	4267315.00	0.28539	(09120419)
608197.70	4267315.00	0.40363	(12122920)	608202.70	4267315.00	0.39537	(12122920)
608207.70	4267315.00	0.38706	(12122920)	608212.70	4267315.00	0.37876	(12122920)
608217.70	4267315.00	0.37054	(12122920)	608222.70	4267315.00	0.36243	(12122920)
608227.70	4267315.00	0.35445	(12122920)	608232.70	4267315.00	0.34663	(12122920)
608237.70	4267315.00	0.33899	(12122920)	608242.70	4267315.00	0.33152	(12122920)
608247.70	4267315.00	0.32430	(12012519)	608192.70	4267320.00	0.28522	(09120419)
608197.70	4267320.00	0.40359	(09120419)	608202.70	4267320.00	0.39367	(09120419)
608207.70	4267320.00	0.38359	(09120419)	608212.70	4267320.00	0.37345	(09120419)

UMAll_AERMOD_Mitigated_Output file

```
       608217.70   4267320.00        0.36456  (09120817)                608222.70
4267320.00        0.35669  (12122920)
       608227.70   4267320.00        0.34939  (12122920)                608232.70
4267320.00        0.34220  (12122920)
       608237.70   4267320.00        0.33514  (12122920)                608242.70
4267320.00        0.32822  (12122920)
       608247.70   4267320.00        0.32145  (12122920)                608192.70
4267325.00        0.41014  (09120419)
       608197.70   4267325.00        0.40166  (09120419)                608202.70
4267325.00        0.39284  (09120419)
       608207.70   4267325.00        0.38379  (09120419)                608212.70
4267325.00        0.37460  (09120419)
       608217.70   4267325.00        0.36534  (09120419)                608222.70
4267325.00        0.35606  (09120419)
       608227.70   4267325.00        0.34682  (09120419)                608232.70
4267325.00        0.33765  (09120419)
       608237.70   4267325.00        0.32972  (09120817)                608242.70
4267325.00        0.32230  (12122920)
       608247.70   4267325.00        0.31614  (12122920)                608192.70
4267330.00        0.40330  (09120419)
       608197.70   4267330.00        0.39610  (09120419)                608202.70
4267330.00        0.38852  (09120419)
       608207.70   4267330.00        0.38064  (09120419)                608212.70
4267330.00        0.37254  (09120419)
       608217.70   4267330.00        0.36430  (09120419)                608222.70
4267330.00        0.35597  (09120419)
       608227.70   4267330.00        0.34759  (09120419)                608232.70
4267330.00        0.33922  (09120419)
       608237.70   4267330.00        0.33088  (09120419)                608242.70
4267330.00        0.32260  (09120419)
       608247.70   4267330.00        0.31440  (09120419)                608252.70
4267330.00        0.30630  (09120419)
       608192.70   4267335.00        0.39299  (09120419)                608197.70
4267335.00        0.38715  (09120419)
       608202.70   4267335.00        0.38088  (09120419)                608207.70
4267335.00        0.37426  (09120419)
       608212.70   4267335.00        0.36736  (09120419)                608217.70
4267335.00        0.36024  (09120419)
       608222.70   4267335.00        0.35297  (09120419)                608227.70
4267335.00        0.34558  (09120419)
       608232.70   4267335.00        0.33812  (09120419)                608237.70
4267335.00        0.33063  (09120419)
       608242.70   4267335.00        0.32312  (09120419)                608247.70
4267335.00        0.31564  (09120419)
       608252.70   4267335.00        0.30819  (09120419)                608192.70
4267340.00        0.37961  (09120419)
       608197.70   4267340.00        0.37515  (09120419)                608202.70
4267340.00        0.37022  (09120419)
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UMAll_AERMOD_Mitigated_Output file

608207.70 4267340.00 0.36490 (09120419) 608212.70 4267340.00 0.35926 (09120419)
608217.70 4267340.00 0.35334 (09120419) 608222.70 4267340.00 0.34719 (09120419)
608227.70 4267340.00 0.34087 (09120419) 608232.70 4267340.00 0.33442 (09120419)

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608237.70	4267340.00	0.32786	(09120419)	608242.70	4267340.00	0.32122	(09120419)
608247.70	4267340.00	0.31455	(09120419)	608252.70	4267340.00	0.30785	(09120419)
608257.70	4267340.00	0.30115	(09120419)	608192.70	4267345.00	0.36363	(09120419)
608197.70	4267345.00	0.36051	(09120419)	608202.70	4267345.00	0.35692	(09120419)
608207.70	4267345.00	0.35290	(09120419)	608212.70	4267345.00	0.34852	(09120419)
608217.70	4267345.00	0.34382	(09120419)	608222.70	4267345.00	0.33884	(09120419)
608227.70	4267345.00	0.33364	(09120419)	608232.70	4267345.00	0.32824	(09120419)
608237.70	4267345.00	0.32268	(09120419)	608242.70	4267345.00	0.31698	(09120419)
608247.70	4267345.00	0.31119	(09120419)	608252.70	4267345.00	0.30531	(09120419)

UMAll_AERMOD_Mitigated_Output file

608257.70 4267345.00 0.29939 (09120419) 608192.70 4267350.00 0.35349 (10030620)
608197.70 4267350.00 0.34847 (10030620) 608202.70 4267350.00 0.34287 (10030620)
608207.70 4267350.00 0.33865 (09120419) 608212.70 4267350.00 0.33550 (09120419)
608217.70 4267350.00 0.33200 (09120419) 608222.70 4267350.00 0.32820 (09120419)
608227.70 4267350.00 0.32412 (09120419) 608232.70 4267350.00 0.31979 (09120419)
608237.70 4267350.00 0.31526 (09120419) 608242.70 4267350.00 0.31055 (09120419)
608192.70 4267355.00 0.34188 (10030620) 608197.70 4267355.00 0.33825 (10030620)
608202.70 4267355.00 0.33402 (10030620) 608207.70 4267355.00 0.32926 (10030620)
608212.70 4267355.00 0.32401 (10030620) 608217.70 4267355.00 0.31834 (10030620)
607915.30 4267056.40 0.31027 (11021008) 607920.30 4267056.40 0.30993 (11021008)
607925.30 4267056.40 0.30924 (11021008) 607930.30 4267056.40 0.30818 (11021008)
607935.30 4267056.40 0.30672 (11021008) 607940.30 4267056.40 0.30481 (11021008)
607945.30 4267056.40 0.30239 (11021008) 607950.30 4267056.40 0.29940 (11021008)
607955.30 4267056.40 0.29576 (11021008) 607960.30 4267056.40 0.29271 (11122708)
607965.30 4267056.40 0.29286 (10030619) 607970.30 4267056.40 0.29298 (10030619)
607975.30 4267056.40 0.29291 (10030619) 607980.30 4267056.40 0.29262 (10030619)
607985.30 4267056.40 0.29208 (10030619) 607915.30 4267061.40 0.31009 (11021008)
607920.30 4267061.40 0.30995 (11021008) 607925.30 4267061.40 0.30947 (11021008)
607930.30 4267061.40 0.30864 (11021008) 607935.30 4267061.40 0.30743 (11021008)
607940.30 4267061.40 0.30582 (11021008) 607945.30 4267061.40 0.30373 (11021008)
607950.30 4267061.40 0.30110 (11021008) 607955.30 4267061.40 0.29788 (11021008)
607960.30 4267061.40 0.29399 (11021008) 607965.30 4267061.40 0.29285 (10030619)
607970.30 4267061.40 0.29303 (10030619) 607975.30 4267061.40 0.29302 (10030619)
607980.30 4267061.40 0.29282 (10030619) 607985.30 4267061.40 0.29237 (10030619)

UMAll_AERMOD_Mitigated_Output file

```
       607915.30   4267066.40        0.30969  (11021008)               607920.30
 4267066.40        0.30973  (11021008)
       607925.30   4267066.40        0.30944  (11021008)               607930.30
 4267066.40        0.30883  (11021008)
       607935.30   4267066.40        0.30786  (11021008)               607940.30
 4267066.40        0.30652  (11021008)
       607945.30   4267066.40        0.30474  (11021008)               607950.30
 4267066.40        0.30246  (11021008)
       607955.30   4267066.40        0.29963  (11021008)               607960.30
 4267066.40        0.29616  (11021008)
       607965.30   4267066.40        0.29272  (10030619)               607970.30
 4267066.40        0.29295  (10030619)
       607975.30   4267066.40        0.29301  (10030619)               607980.30
 4267066.40        0.29288  (10030619)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607985.30   4267066.40        0.29253  (10030619)               607915.30
 4267071.40        0.30906  (11021008)
       607920.30   4267071.40        0.30928  (11021008)               607925.30
 4267071.40        0.30917  (11021008)
       607930.30   4267071.40        0.30875  (11021008)               607935.30
 4267071.40        0.30801  (11021008)
       607940.30   4267071.40        0.30692  (11021008)               607945.30
 4267071.40        0.30542  (11021008)
       607950.30   4267071.40        0.30347  (11021008)               607955.30
 4267071.40        0.30100  (11021008)
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UMAll_AERMOD_Mitigated_Output file

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       607960.30   4267071.40        0.29794  (11021008)                607965.30
4267071.40        0.29422  (11021008)
       607970.30   4267071.40        0.29274  (10030619)                607975.30
4267071.40        0.29286  (10030619)
       607980.30   4267071.40        0.29281  (10030619)                607985.30
4267071.40        0.29254  (10030619)
       607915.30   4267076.40        0.30820  (11021008)                607920.30
4267076.40        0.30859  (11021008)
       607925.30   4267076.40        0.30866  (11021008)                607930.30
4267076.40        0.30842  (11021008)
       607935.30   4267076.40        0.30788  (11021008)                607940.30
4267076.40        0.30701  (11021008)
       607945.30   4267076.40        0.30578  (11021008)                607950.30
4267076.40        0.30414  (11021008)
       607955.30   4267076.40        0.30201  (11021008)                607960.30
4267076.40        0.29933  (11021008)
       607965.30   4267076.40        0.29603  (11021008)                607970.30
4267076.40        0.29240  (10030619)
       607975.30   4267076.40        0.29258  (10030619)                607980.30
4267076.40        0.29258  (10030619)
       607985.30   4267076.40        0.29240  (10030619)                607915.30
4267081.40        0.30797  (12121217)
       607920.30   4267081.40        0.30767  (11021008)                607925.30
4267081.40        0.30790  (11021008)
       607930.30   4267081.40        0.30783  (11021008)                607935.30
4267081.40        0.30747  (11021008)
       607940.30   4267081.40        0.30682  (11021008)                607945.30
4267081.40        0.30583  (11021008)
       607950.30   4267081.40        0.30446  (11021008)                607955.30
4267081.40        0.30265  (11021008)
       607960.30   4267081.40        0.30033  (11021008)                607965.30
4267081.40        0.29744  (11021008)
       607970.30   4267081.40        0.29389  (11021008)                607975.30
4267081.40        0.29214  (10030619)
       607980.30   4267081.40        0.29221  (10030619)                607985.30
4267081.40        0.29210  (10030619)
       607915.30   4267086.40        0.31460  (12121217)                607920.30
4267086.40        0.30764  (12121217)
       607925.30   4267086.40        0.30739  (11030519)                607930.30
4267086.40        0.30752  (11030519)
       607935.30   4267086.40        0.30736  (11030519)                607940.30
4267086.40        0.30691  (11030519)
       607945.30   4267086.40        0.30615  (11030519)                607950.30
4267086.40        0.30505  (11030519)
       607955.30   4267086.40        0.30354  (11030519)                607960.30
4267086.40        0.30158  (11030519)
       607965.30   4267086.40        0.29908  (11030519)                607970.30
4267086.40        0.29597  (11030519)
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UMAll_AERMOD_Mitigated_Output file

```
       607975.30   4267086.40        0.29220  (11030519)               607980.30
 4267086.40        0.29167  (10030619)
       607985.30   4267086.40        0.29163  (10030619)               607915.30
 4267091.40        0.32051  (12121217)
       607920.30   4267091.40        0.31418  (12121217)               607925.30
 4267091.40        0.30745  (11030519)
       607930.30   4267091.40        0.30773  (11030519)               607935.30
 4267091.40        0.30773  (11030519)
       607940.30   4267091.40        0.30746  (11030519)               607945.30
 4267091.40        0.30690  (11030519)
       607950.30   4267091.40        0.30602  (11030519)               607955.30
 4267091.40        0.30479  (11030519)
       607960.30   4267091.40        0.30312  (11030519)               607965.30
 4267091.40        0.30097  (11030519)
       607970.30   4267091.40        0.29825  (11030519)               607975.30
 4267091.40        0.29490  (11030519)
       607980.30   4267091.40        0.29097  (10030619)               607985.30
 4267091.40        0.29100  (10030619)
       607915.30   4267096.40        0.32566  (12121217)               607920.30
 4267096.40        0.31997  (12121217)
       607925.30   4267096.40        0.31358  (12121217)               607930.30
 4267096.40        0.30771  (11030519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE 125
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607935.30   4267096.40        0.30786  (11030519)               607940.30
 4267096.40        0.30774  (11030519)
```

UMAll_AERMOD_Mitigated_Output file

```
       607945.30   4267096.40        0.30736  (11030519)                607950.30
4267096.40        0.30670  (11030519)
       607955.30   4267096.40        0.30570  (11030519)                607960.30
4267096.40        0.30432  (11030519)
       607965.30   4267096.40        0.30249  (11030519)                607970.30
4267096.40        0.30013  (11030519)
       607975.30   4267096.40        0.29718  (11030519)                607980.30
4267096.40        0.29356  (11030519)
       607985.30   4267096.40        0.29140  (12111418)                607915.30
4267101.40        0.33004  (12121217)
       607920.30   4267101.40        0.32498  (12121217)                607925.30
4267101.40        0.31923  (12121217)
       607930.30   4267101.40        0.31278  (12121217)                607935.30
4267101.40        0.30847  (11103018)
       607940.30   4267101.40        0.30775  (11030519)                607945.30
4267101.40        0.30754  (11030519)
       607950.30   4267101.40        0.30706  (11030519)                607955.30
4267101.40        0.30629  (11030519)
       607960.30   4267101.40        0.30517  (11030519)                607965.30
4267101.40        0.30364  (11030519)
       607970.30   4267101.40        0.30162  (11030519)                607975.30
4267101.40        0.29905  (11030519)
       607980.30   4267101.40        0.29607  (13102618)                607985.30
4267101.40        0.29493  (12111418)
       607915.30   4267106.40        0.33364  (12121217)                607920.30
4267106.40        0.32919  (12121217)
       607925.30   4267106.40        0.32408  (12121217)                607930.30
4267106.40        0.31828  (12121217)
       607935.30   4267106.40        0.31377  (11103018)                607940.30
4267106.40        0.31219  (11103018)
       607945.30   4267106.40        0.31014  (11103018)                607950.30
4267106.40        0.30761  (11103018)
       607955.30   4267106.40        0.30655  (11030519)                607960.30
4267106.40        0.30567  (11030519)
       607965.30   4267106.40        0.30441  (11030519)                607970.30
4267106.40        0.30271  (11030519)
       607975.30   4267106.40        0.30107  (13102618)                607980.30
4267106.40        0.30014  (13102618)
       607985.30   4267106.40        0.29884  (13102618)                608194.80
4267085.20        0.30330  (13010518)
       608199.80   4267085.20        0.30349  (13010518)                608304.80
4267085.20        0.26888  (11122818)
       608309.80   4267085.20        0.26921  (11122818)                608314.80
4267085.20        0.26916  (11122818)
       608184.80   4267090.20        0.30726  (13010518)                608189.80
4267090.20        0.30824  (13010518)
       608194.80   4267090.20        0.30848  (13010518)                608199.80
4267090.20        0.30866  (11010508)
```

UMAll_AERMOD_Mitigated_Output file

```
       608204.80   4267090.20        0.30821  (11010508)                608209.80
 4267090.20        0.30704  (11010508)
       608304.80   4267090.20        0.27521  (11122818)                608309.80
 4267090.20        0.27491  (11122818)
       608314.80   4267090.20        0.27425  (11122818)                608319.80
 4267090.20        0.27324  (11122818)
       608324.80   4267090.20        0.27189  (11122818)                608179.80
 4267095.20        0.31220  (13010518)
       608184.80   4267095.20        0.31325  (13010518)                608189.80
 4267095.20        0.31354  (13010518)
       608194.80   4267095.20        0.31377  (11010508)                608199.80
 4267095.20        0.31333  (11010508)
       608204.80   4267095.20        0.31214  (11010508)                608209.80
 4267095.20        0.31168  (10011519)
       608214.80   4267095.20        0.31240  (10011519)                608304.80
 4267095.20        0.28067  (11122818)
       608309.80   4267095.20        0.27973  (11122818)                608314.80
 4267095.20        0.27843  (11122818)
       608319.80   4267095.20        0.27680  (11122818)                608324.80
 4267095.20        0.27485  (11122818)
       608179.80   4267100.20        0.31834  (13010518)                608184.80
 4267100.20        0.31869  (13010518)
       608189.80   4267100.20        0.31897  (11010508)                608194.80
 4267100.20        0.31854  (11010508)
       608199.80   4267100.20        0.31733  (11010508)                608204.80
 4267100.20        0.31747  (10011519)
       608209.80   4267100.20        0.31811  (10011519)                608214.80
 4267100.20        0.31803  (10011519)
       608219.80   4267100.20        0.31723  (10011519)                608224.80
 4267100.20        0.31573  (10011519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                          ***        18:29:53

                                    PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                ** CONC OF PM25     IN MICROGRAMS/M**3
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UMAll_AERMOD_Mitigated_Output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608229.80	4267100.20	0.31356	(10011519)	608299.80	4267100.20	0.28643	(11122818)
608304.80	4267100.20	0.28519	(11122818)	608309.80	4267100.20	0.28359	(11122818)
608314.80	4267100.20	0.28167	(11122818)	608319.80	4267100.20	0.27943	(11122818)
608324.80	4267100.20	0.27688	(11122818)	608184.80	4267105.20	0.32424	(11010508)
608189.80	4267105.20	0.32383	(11010508)	608194.80	4267105.20	0.32261	(11010508)
608199.80	4267105.20	0.32336	(10011519)	608204.80	4267105.20	0.32393	(10011519)
608209.80	4267105.20	0.32375	(10011519)	608214.80	4267105.20	0.32283	(10011519)
608219.80	4267105.20	0.32118	(10011519)	608224.80	4267105.20	0.31886	(10011519)
608229.80	4267105.20	0.31748	(13021718)	608234.80	4267105.20	0.31556	(13021718)
608239.80	4267105.20	0.31303	(13021718)	608244.80	4267105.20	0.30992	(13021718)
608299.80	4267105.20	0.29062	(11122818)	608304.80	4267105.20	0.28872	(11122818)
608309.80	4267105.20	0.28648	(11122818)	608314.80	4267105.20	0.28393	(11122818)
608319.80	4267105.20	0.28109	(11122818)	608184.80	4267110.20	0.32919	(11010508)
608189.80	4267110.20	0.32808	(10011519)	608194.80	4267110.20	0.32935	(10011519)
608199.80	4267110.20	0.32985	(10011519)	608204.80	4267110.20	0.32956	(10011519)
608209.80	4267110.20	0.32851	(10011519)	608214.80	4267110.20	0.32673	(10011519)
608219.80	4267110.20	0.32466	(13021718)	608224.80	4267110.20	0.32319	(13021718)
608229.80	4267110.20	0.32105	(13021718)	608234.80	4267110.20	0.31829	(13021718)
608239.80	4267110.20	0.31494	(13021718)	608244.80	4267110.20	0.31105	(13021718)
608249.80	4267110.20	0.30666	(13021718)	608254.80	4267110.20	0.30182	(13021718)
608259.80	4267110.20	0.30057	(11122818)	608264.80	4267110.20	0.30124	(11122818)

UMAll_AERMOD_Mitigated_Output file

```
       608269.80   4267110.20        0.30143  (11122818)                608274.80
 4267110.20        0.30118  (11122818)
       608279.80   4267110.20        0.30049  (11122818)                608284.80
 4267110.20        0.29938  (11122818)
       608289.80   4267110.20        0.29788  (11122818)                608294.80
 4267110.20        0.29601  (11122818)
       608299.80   4267110.20        0.29379  (11122818)                608304.80
 4267110.20        0.29123  (11122818)
       608309.80   4267110.20        0.28836  (11122818)                608314.80
 4267110.20        0.28521  (11122818)
       608319.80   4267110.20        0.28178  (11122818)                608189.80
 4267115.20        0.33543  (10011519)
       608194.80   4267115.20        0.33585  (10011519)                608199.80
 4267115.20        0.33546  (10011519)
       608204.80   4267115.20        0.33429  (10011519)                608209.80
 4267115.20        0.33235  (10011519)
       608214.80   4267115.20        0.33064  (13021718)                608219.80
 4267115.20        0.32897  (13021718)
       608224.80   4267115.20        0.32661  (13021718)                608229.80
 4267115.20        0.32361  (13021718)
       608234.80   4267115.20        0.32001  (13021718)                608239.80
 4267115.20        0.31586  (13021718)
       608244.80   4267115.20        0.31121  (13021718)                608249.80
 4267115.20        0.30733  (11122818)
       608254.80   4267115.20        0.30819  (11122818)                608259.80
 4267115.20        0.30855  (11122818)
       608264.80   4267115.20        0.30843  (11122818)                608269.80
 4267115.20        0.30785  (11122818)
       608274.80   4267115.20        0.30683  (11122818)                608279.80
 4267115.20        0.30539  (11122818)
       608284.80   4267115.20        0.30355  (11122818)                608289.80
 4267115.20        0.30134  (11122818)
       608294.80   4267115.20        0.29879  (11122818)                608299.80
 4267115.20        0.29590  (11122818)
       608304.80   4267115.20        0.29271  (11122818)                608309.80
 4267115.20        0.28923  (11122818)
       608314.80   4267115.20        0.28549  (11122818)                608189.80
 4267120.20        0.34193  (10011519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_Mitigated_Output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E , Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608194.80	4267120.20	0.34144	(10011519)	608199.80	4267120.20	0.34013	(10011519)
608204.80	4267120.20	0.33804	(10011519)	608209.80	4267120.20	0.33670	(13021718)
608214.80	4267120.20	0.33481	(13021718)	608219.80	4267120.20	0.33223	(13021718)
608224.80	4267120.20	0.32898	(13021718)	608229.80	4267120.20	0.32513	(13021718)
608234.80	4267120.20	0.32071	(13021718)	608239.80	4267120.20	0.31579	(13021718)
608244.80	4267120.20	0.31531	(11122818)	608249.80	4267120.20	0.31586	(11122818)
608254.80	4267120.20	0.31590	(11122818)	608259.80	4267120.20	0.31544	(11122818)
608264.80	4267120.20	0.31452	(11122818)	608269.80	4267120.20	0.31315	(11122818)
608274.80	4267120.20	0.31135	(11122818)	608279.80	4267120.20	0.30917	(11122818)
608284.80	4267120.20	0.30661	(11122818)	608289.80	4267120.20	0.30370	(11122818)
608294.80	4267120.20	0.30047	(11122818)	608299.80	4267120.20	0.29695	(11122818)
608304.80	4267120.20	0.29314	(11122818)	608309.80	4267120.20	0.28908	(11122818)
608314.80	4267120.20	0.28479	(11122818)	608204.80	4267125.20	0.34282	(13021718)
608209.80	4267125.20	0.34071	(13021718)	608214.80	4267125.20	0.33789	(13021718)
608219.80	4267125.20	0.33439	(13021718)	608224.80	4267125.20	0.33028	(13021718)
608229.80	4267125.20	0.32559	(13021718)	608234.80	4267125.20	0.32258	(11122818)
608239.80	4267125.20	0.32334	(11122818)	608244.80	4267125.20	0.32356	(11122818)

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       608249.80   4267125.20        0.32325  (11122818)              608254.80
4267125.20        0.32244  (11122818)
       608259.80   4267125.20        0.32115  (11122818)              608264.80
4267125.20        0.31941  (11122818)
       608269.80   4267125.20        0.31725  (11122818)              608274.80
4267125.20        0.31470  (11122818)
       608279.80   4267125.20        0.31178  (11122818)              608284.80
4267125.20        0.30851  (11122818)
       608289.80   4267125.20        0.30494  (11122818)              608294.80
4267125.20        0.30107  (11122818)
       608299.80   4267125.20        0.29693  (11122818)              608304.80
4267125.20        0.29255  (11122818)
       608309.80   4267125.20        0.28794  (11122818)              608314.80
4267125.20        0.28313  (11122818)
       608224.80   4267130.20        0.33047  (13021718)              608229.80
4267130.20        0.33098  (11122818)
       608234.80   4267130.20        0.33140  (11122818)              608239.80
4267130.20        0.33126  (11122818)
       608244.80   4267130.20        0.33058  (11122818)              608249.80
4267130.20        0.32940  (11122818)
       608254.80   4267130.20        0.32773  (11122818)              608259.80
4267130.20        0.32561  (11122818)
       608264.80   4267130.20        0.32307  (11122818)              608269.80
4267130.20        0.32014  (11122818)
       608274.80   4267130.20        0.31684  (11122818)              608279.80
4267130.20        0.31321  (11122818)
       608284.80   4267130.20        0.30928  (11122818)              608289.80
4267130.20        0.30506  (11122818)
       608294.80   4267130.20        0.30058  (11122818)              608299.80
4267130.20        0.29587  (11122818)
       608304.80   4267130.20        0.29095  (11122818)              608309.80
4267130.20        0.28583  (11122818)
       608160.00   4267047.10        0.27792  (09120908)              608165.00
4267047.10        0.27762  (09120908)
       608170.00   4267047.10        0.27672  (09120908)              608175.00
4267047.10        0.27644  (10021319)
       608180.00   4267047.10        0.27751  (10021319)              608185.00
4267047.10        0.27795  (10021319)
       608190.00   4267047.10        0.27777  (10021319)              608195.00
4267047.10        0.27694  (10021319)
       608200.00   4267047.10        0.27546  (10021319)              608205.00
4267047.10        0.27333  (10021319)
       608210.00   4267047.10        0.27057  (10021319)              608215.00
4267047.10        0.26719  (10021319)
       608165.00   4267052.10        0.28054  (09120908)              608170.00
4267052.10        0.27969  (10021319)
```

UMAll_AERMOD_Mitigated_Output file
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 128
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608175.00	4267052.10	0.28095	(10021319)	608180.00	4267052.10	0.28159	(10021319)
608185.00	4267052.10	0.28158	(10021319)	608190.00	4267052.10	0.28093	(10021319)
608195.00	4267052.10	0.27962	(10021319)	608200.00	4267052.10	0.27765	(10021319)
608205.00	4267052.10	0.27503	(10021319)	608210.00	4267052.10	0.27176	(10021319)
608215.00	4267052.10	0.27013	(13010518)	608220.00	4267052.10	0.27168	(13010518)
608165.00	4267057.10	0.28328	(09120908)	608170.00	4267057.10	0.28439	(10021319)
608175.00	4267057.10	0.28522	(10021319)	608180.00	4267057.10	0.28541	(10021319)
608185.00	4267057.10	0.28494	(10021319)	608190.00	4267057.10	0.28380	(10021319)
608195.00	4267057.10	0.28199	(10021319)	608200.00	4267057.10	0.27952	(10021319)
608205.00	4267057.10	0.27638	(10021319)	608210.00	4267057.10	0.27432	(13010518)
608215.00	4267057.10	0.27594	(13010518)	608220.00	4267057.10	0.27693	(13010518)
608165.00	4267062.10	0.28783	(10021319)	608170.00	4267062.10	0.28885	(10021319)
608175.00	4267062.10	0.28923	(10021319)	608180.00	4267062.10	0.28895	(10021319)

UMAll_AERMOD_Mitigated_Output file

```
       608185.00   4267062.10        0.28800  (10021319)                608190.00
4267062.10        0.28636  (10021319)
       608195.00   4267062.10        0.28404  (10021319)                608200.00
4267062.10        0.28105  (10021319)
       608205.00   4267062.10        0.27861  (13010518)                608210.00
4267062.10        0.28029  (13010518)
       608215.00   4267062.10        0.28133  (13010518)                608220.00
4267062.10        0.28173  (13010518)
       608200.00   4267067.10        0.28298  (13010518)                608205.00
4267067.10        0.28473  (13010518)
       608210.00   4267067.10        0.28583  (13010518)                608215.00
4267067.10        0.28627  (13010518)
       608220.00   4267067.10        0.28624  (11010508)                608136.20
4267335.60        0.27445  (10030620)
       608141.20   4267335.60        0.26976  (10030620)                608146.20
4267335.60        0.26518  (10030620)
       608151.20   4267335.60        0.26168  (09120419)                608136.20
4267340.60        0.26825  (10030620)
       608141.20   4267340.60        0.26472  (10030620)                608146.20
4267340.60        0.26119  (10030620)
       608151.20   4267340.60        0.25764  (10030620)                608071.20
4267345.60        0.18646  (10030620)
       608076.20   4267345.60        0.18655  (13013008)                608081.20
4267345.60        0.19425  (09011020)
       608086.20   4267345.60        0.18152  (10030620)                608091.20
4267345.60        0.18030  (10030620)
       608096.20   4267345.60        0.17908  (10030620)                608101.20
4267345.60        0.17786  (10030620)
       608106.20   4267345.60        0.17664  (10030620)                608111.20
4267345.60        0.17544  (10030620)
       608116.20   4267345.60        0.26875  (10030620)                608121.20
4267345.60        0.26682  (10030620)
       608126.20   4267345.60        0.26478  (10030620)                608131.20
4267345.60        0.26265  (10030620)
       608136.20   4267345.60        0.26042  (10030620)                608141.20
4267345.60        0.25808  (10030620)
       608146.20   4267345.60        0.25564  (10030620)                608151.20
4267345.60        0.25309  (10030620)
       608061.20   4267350.60        0.19130  (12020520)                608066.20
4267350.60        0.18678  (12020520)
       608071.20   4267350.60        0.18342  (10112919)                608076.20
4267350.60        0.18843  (09011020)
       608081.20   4267350.60        0.19340  (12020520)                608086.20
4267350.60        0.19499  (13100818)
       608091.20   4267350.60        0.17376  (10030620)                608096.20
4267350.60        0.17322  (10030620)
       608101.20   4267350.60        0.17260  (10030620)                608106.20
4267350.60        0.17191  (10030620)
```

UMAll_AERMOD_Mitigated_Output file

608111.20 4267350.60 0.25433 (10030620) 608116.20 4267350.60 0.25402 (10030620)
608121.20 4267350.60 0.25355 (10030620) 608126.20 4267350.60 0.25290 (10030620)
608131.20 4267350.60 0.25208 (10030620) 608136.20 4267350.60 0.25108 (10030620)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608141.20	4267350.60	0.24990	(10030620)	608146.20	4267350.60	0.24854	(10030620)
608151.20	4267350.60	0.24701	(10030620)	608061.20	4267355.60	0.18853	(12020520)
608066.20	4267355.60	0.18495	(12020520)	608071.20	4267355.60	0.18723	(13111018)
608076.20	4267355.60	0.18834	(12020520)	608081.20	4267355.60	0.18707	(13100818)
608086.20	4267355.60	0.19437	(10112919)	608091.20	4267355.60	0.19763	(09111618)
608096.20	4267355.60	0.20628	(13012018)	608101.20	4267355.60	0.16640	(10030620)
608106.20	4267355.60	0.24369	(10112919)	608111.20	4267355.60	0.24131	(10112919)
608116.20	4267355.60	0.23857	(09111618)	608121.20	4267355.60	0.23929	(10030620)
608126.20	4267355.60	0.23988	(10030620)	608131.20	4267355.60	0.24025	(10030620)

UMAll_AERMOD_Mitigated_Output file

```
       608136.20   4267355.60        0.24040  (10030620)              608141.20
4267355.60        0.24032  (10030620)
       608146.20   4267355.60        0.24001  (10030620)              608151.20
4267355.60        0.23948  (10030620)
       608061.20   4267360.60        0.18856  (09011020)              608066.20
4267360.60        0.18596  (09011020)
       608071.20   4267360.60        0.18549  (12020520)              608076.20
4267360.60        0.18369  (12020520)
       608081.20   4267360.60        0.18179  (12020520)              608086.20
4267360.60        0.18594  (10112919)
       608091.20   4267360.60        0.19054  (13012018)              608096.20
4267360.60        0.30427  (13012018)
       608101.20   4267360.60        0.29637  (13012018)              608106.20
4267360.60        0.23602  (10112919)
       608111.20   4267360.60        0.23491  (10112919)              608116.20
4267360.60        0.23314  (10112919)
       608121.20   4267360.60        0.23074  (10112919)              608126.20
4267360.60        0.22876  (09111618)
       608131.20   4267360.60        0.22742  (10030620)              608136.20
4267360.60        0.22860  (10030620)
       608141.20   4267360.60        0.22953  (10030620)              608146.20
4267360.60        0.23020  (10030620)
       608151.20   4267360.60        0.23061  (10030620)              608061.20
4267365.60        0.18482  (09011020)
       608066.20   4267365.60        0.18275  (12020520)              608071.20
4267365.60        0.18139  (12020520)
       608076.20   4267365.60        0.31545  (13012018)              608081.20
4267365.60        0.31136  (13012018)
       608086.20   4267365.60        0.30606  (13012018)              608091.20
4267365.60        0.29975  (13012018)
       608096.20   4267365.60        0.29266  (13012018)              608101.20
4267365.60        0.28496  (13012018)
       608106.20   4267365.60        0.27670  (13012018)              608111.20
4267365.60        0.26778  (13012018)
       608116.20   4267365.60        0.25797  (13012018)              608121.20
4267365.60        0.25629  (10112919)
       608126.20   4267365.60        0.22411  (10112919)              608131.20
4267365.60        0.22219  (09111618)
       608136.20   4267365.60        0.22027  (09111618)              608141.20
4267365.60        0.26186  (10112919)
       608146.20   4267365.60        0.26212  (10112919)              608151.20
4267365.60        0.26265  (09111618)
       608061.20   4267370.60        0.30873  (13012018)              608066.20
4267370.60        0.30839  (13012018)
       608071.20   4267370.60        0.30695  (13012018)              608076.20
4267370.60        0.30425  (13012018)
       608081.20   4267370.60        0.30027  (13012018)              608086.20
4267370.60        0.29513  (13012018)
```

UMAll_AERMOD_Mitigated_Output file

```
       608091.20   4267370.60        0.28901  (13012018)               608096.20
 4267370.60        0.28213  (13012018)
       608101.20   4267370.60        0.27462  (13012018)               608106.20
 4267370.60        0.26653  (13012018)
       608111.20   4267370.60        0.25777  (13012018)               608116.20
 4267370.60        0.24813  (13012018)
       608121.20   4267370.60        0.24631  (12020520)               608126.20
 4267370.60        0.24724  (12020520)
       608131.20   4267370.60        0.24857  (10112919)               608136.20
 4267370.60        0.25035  (10112919)
       608141.20   4267370.60        0.25175  (10112919)               608146.20
 4267370.60        0.25273  (10112919)
       608151.20   4267370.60        0.25326  (10112919)               608061.20
 4267375.60        0.29863  (13012018)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608066.20   4267375.60        0.29820  (13012018)               608071.20
 4267375.60        0.29673  (13012018)
       608076.20   4267375.60        0.29406  (13012018)               608081.20
 4267375.60        0.29018  (13012018)
       608086.20   4267375.60        0.28518  (13012018)               608091.20
 4267375.60        0.27924  (13012018)
       608096.20   4267375.60        0.27254  (13012018)               608101.20
 4267375.60        0.26520  (13012018)
       608106.20   4267375.60        0.25727  (13012018)               608111.20
 4267375.60        0.24866  (13012018)
```

UMAll_AERMOD_Mitigated_Output file

```
       608116.20   4267375.60        0.23918  (13012018)              608121.20
4267375.60        0.23795  (12020520)
       608126.20   4267375.60        0.23922  (12020520)              608131.20
4267375.60        0.24016  (12020520)
       608136.20   4267375.60        0.24075  (12020520)              608141.20
4267375.60        0.24223  (10112919)
       608146.20   4267375.60        0.24377  (10112919)              608151.20
4267375.60        0.24493  (10112919)
       608061.20   4267380.60        0.28941  (13012018)              608066.20
4267380.60        0.28889  (13012018)
       608071.20   4267380.60        0.28739  (13012018)              608076.20
4267380.60        0.28475  (13012018)
       608081.20   4267380.60        0.28095  (13012018)              608086.20
4267380.60        0.27609  (13012018)
       608091.20   4267380.60        0.27031  (13012018)              608096.20
4267380.60        0.26377  (13012018)
       608101.20   4267380.60        0.25660  (13012018)              608106.20
4267380.60        0.24881  (13012018)
       608111.20   4267380.60        0.24033  (13012018)              608116.20
4267380.60        0.23101  (13012018)
       608121.20   4267380.60        0.23028  (12020520)              608126.20
4267380.60        0.23184  (12020520)
       608131.20   4267380.60        0.23309  (12020520)              608136.20
4267380.60        0.23404  (12020520)
       608141.20   4267380.60        0.23464  (12020520)              608146.20
4267380.60        0.23516  (10112919)
       608151.20   4267380.60        0.23681  (10112919)              608061.20
4267385.60        0.28097  (13012018)
       608066.20   4267385.60        0.28037  (13012018)              608071.20
4267385.60        0.27883  (13012018)
       608076.20   4267385.60        0.27622  (13012018)              608081.20
4267385.60        0.27250  (13012018)
       608086.20   4267385.60        0.26776  (13012018)              608091.20
4267385.60        0.26212  (13012018)
       608096.20   4267385.60        0.25574  (13012018)              608101.20
4267385.60        0.24871  (13012018)
       608106.20   4267385.60        0.24105  (13012018)              608111.20
4267385.60        0.23271  (13012018)
       608116.20   4267385.60        0.22352  (13012018)              608121.20
4267385.60        0.22355  (09011020)
       608126.20   4267385.60        0.22492  (12020520)              608131.20
4267385.60        0.22646  (12020520)
       608136.20   4267385.60        0.22770  (12020520)              608141.20
4267385.60        0.22864  (12020520)
       608146.20   4267385.60        0.22924  (12020520)              608151.20
4267385.60        0.22947  (12020520)
       608061.20   4267390.60        0.27321  (13012018)              608066.20
4267390.60        0.27254  (13012018)
```

UMAll_AERMOD_Mitigated_Output file

```
       608071.20   4267390.60        0.27097  (13012018)               608076.20
 4267390.60        0.26838  (13012018)
       608081.20   4267390.60        0.26474  (13012018)               608086.20
 4267390.60        0.26010  (13012018)
       608091.20   4267390.60        0.25460  (13012018)               608096.20
 4267390.60        0.24835  (13012018)
       608101.20   4267390.60        0.24145  (13012018)               608106.20
 4267390.60        0.23392  (13012018)
       608111.20   4267390.60        0.22570  (13012018)               608116.20
 4267390.60        0.21665  (13012018)
       608121.20   4267390.60        0.21769  (09011020)               608126.20
 4267390.60        0.21903  (09011020)
       608131.20   4267390.60        0.22014  (12020520)               608136.20
 4267390.60        0.22165  (12020520)
       608141.20   4267390.60        0.22288  (12020520)               608146.20
 4267390.60        0.22380  (12020520)
       608151.20   4267390.60        0.22438  (12020520)               608061.20
 4267395.60        0.26608  (13012018)
       608066.20   4267395.60        0.26533  (13012018)               608071.20
 4267395.60        0.26374  (13012018)
       608076.20   4267395.60        0.26117  (13012018)               608081.20
 4267395.60        0.25758  (13012018)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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                                    PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608086.20   4267395.60        0.25305  (13012018)               608091.20
 4267395.60        0.24766  (13012018)
```

UMAll_AERMOD_Mitigated_Output file

```
       608096.20   4267395.60        0.24154  (13012018)              608101.20
4267395.60        0.23477  (13012018)
       608106.20   4267395.60        0.22736  (13012018)              608111.20
4267395.60        0.21925  (13012018)
       608116.20   4267395.60        0.21032  (13012018)              608121.20
4267395.60        0.21207  (09011020)
       608126.20   4267395.60        0.21363  (09011020)              608131.20
4267395.60        0.21493  (09011020)
       608136.20   4267395.60        0.21596  (09011020)              608141.20
4267395.60        0.21728  (12020520)
       608146.20   4267395.60        0.21848  (12020520)              608151.20
4267395.60        0.21937  (12020520)
       608056.20   4267400.60        0.25969  (13012018)              608061.20
4267400.60        0.25950  (13012018)
       608066.20   4267400.60        0.25869  (13012018)              608071.20
4267400.60        0.25707  (13012018)
       608076.20   4267400.60        0.25451  (13012018)              608081.20
4267400.60        0.25099  (13012018)
       608086.20   4267400.60        0.24654  (13012018)              608091.20
4267400.60        0.24126  (13012018)
       608096.20   4267400.60        0.23526  (13012018)              608101.20
4267400.60        0.22860  (13012018)
       608106.20   4267400.60        0.22129  (13012018)              608111.20
4267400.60        0.21329  (13012018)
       608116.20   4267400.60        0.20573  (13011019)              608121.20
4267400.60        0.20663  (09011020)
       608126.20   4267400.60        0.20840  (09011020)              608131.20
4267400.60        0.20990  (09011020)
       608136.20   4267400.60        0.21115  (09011020)              608141.20
4267400.60        0.21214  (09011020)
       608146.20   4267400.60        0.21325  (12020520)              608151.20
4267400.60        0.21441  (12020520)
       608056.20   4267405.60        0.25369  (13012018)              608061.20
4267405.60        0.25342  (13012018)
       608066.20   4267405.60        0.25256  (13012018)              608071.20
4267405.60        0.25091  (13012018)
       608076.20   4267405.60        0.24836  (13012018)              608081.20
4267405.60        0.24489  (13012018)
       608086.20   4267405.60        0.24052  (13012018)              608091.20
4267405.60        0.23535  (13012018)
       608096.20   4267405.60        0.22945  (13012018)              608101.20
4267405.60        0.22289  (13012018)
       608106.20   4267405.60        0.21569  (13012018)              608111.20
4267405.60        0.20778  (13012018)
       608116.20   4267405.60        0.20172  (13011019)              608121.20
4267405.60        0.20257  (13011019)
       608126.20   4267405.60        0.20336  (13122119)              608131.20
4267405.60        0.20498  (09011020)
```

UMAll_AERMOD_Mitigated_Output file

```
       608136.20   4267405.60        0.20643  (09011020)                608141.20
 4267405.60        0.20763  (09011020)
       608146.20   4267405.60        0.20857  (09011020)                608151.20
 4267405.60        0.20948  (12020520)
       608056.20   4267410.60        0.24815  (13012018)                608061.20
 4267410.60        0.24780  (13012018)
       608066.20   4267410.60        0.24688  (13012018)                608071.20
 4267410.60        0.24521  (13012018)
       608076.20   4267410.60        0.24267  (13012018)                608081.20
 4267410.60        0.23924  (13012018)
       608086.20   4267410.60        0.23495  (13012018)                608091.20
 4267410.60        0.22986  (13012018)
       608096.20   4267410.60        0.22406  (13012018)                608101.20
 4267410.60        0.21760  (13012018)
       608106.20   4267410.60        0.21049  (13012018)                608111.20
 4267410.60        0.20268  (13012018)
       608116.20   4267410.60        0.19780  (13011019)                608121.20
 4267410.60        0.19881  (13011019)
       608126.20   4267410.60        0.19958  (13011019)                608131.20
 4267410.60        0.20030  (13122119)
       608136.20   4267410.60        0.20176  (09011020)                608141.20
 4267410.60        0.20317  (09011020)
       608146.20   4267410.60        0.20431  (09011020)                608151.20
 4267410.60        0.20519  (09011020)
       608056.20   4267415.60        0.24301  (13012018)                608061.20
 4267415.60        0.24260  (13012018)
       608066.20   4267415.60        0.24162  (13012018)                608071.20
 4267415.60        0.23993  (13012018)
       608076.20   4267415.60        0.23740  (13012018)                608081.20
 4267415.60        0.23401  (13012018)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_Mitigated_Output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608086.20	4267415.60	0.22978	(13012018)	608091.20	4267415.60	0.22478	(13012018)
608096.20	4267415.60	0.21907	(13012018)	608101.20	4267415.60	0.21270	(13012018)
608106.20	4267415.60	0.20567	(13012018)	608111.20	4267415.60	0.19795	(13012018)
608116.20	4267415.60	0.19395	(13011019)	608121.20	4267415.60	0.19511	(13011019)
608146.20	4267415.60	0.20006	(09011020)	608151.20	4267415.60	0.20115	(09011020)
608056.20	4267420.60	0.23825	(13012018)	608061.20	4267420.60	0.23777	(13012018)
608066.20	4267420.60	0.23675	(13012018)	608071.20	4267420.60	0.23503	(13012018)
608076.20	4267420.60	0.23251	(13012018)	608081.20	4267420.60	0.22915	(13012018)
608086.20	4267420.60	0.22499	(13012018)	608091.20	4267420.60	0.22006	(13012018)
607905.00	4267340.20	0.36086	(12011318)	607910.00	4267340.20	0.36738	(12011318)
607915.00	4267340.20	0.37481	(13010118)	607920.00	4267340.20	0.38243	(13010118)
607905.00	4267345.20	0.35686	(13010118)	607910.00	4267345.20	0.36352	(13010118)
607915.00	4267345.20	0.37007	(13010118)	607920.00	4267345.20	0.37679	(09011608)
607930.00	4267345.20	0.38976	(09011608)	607935.00	4267345.20	0.39580	(09011608)
607940.00	4267345.20	0.40146	(09011608)	607945.00	4267345.20	0.40671	(09011608)
607900.00	4267350.20	0.34691	(13010118)	607905.00	4267350.20	0.35263	(13010118)
607910.00	4267350.20	0.35851	(09011608)	607915.00	4267350.20	0.36427	(09011608)
607935.00	4267350.20	0.38410	(09011608)	607940.00	4267350.20	0.38801	(09011608)
607945.00	4267350.20	0.39142	(09011608)	607950.00	4267350.20	0.39430	(09011608)
607955.00	4267350.20	0.39662	(09011608)	607960.00	4267350.20	0.39837	(09011608)
607965.00	4267350.20	0.25528	(09011608)	607970.00	4267350.20	0.25963	(09011608)

UMAll_AERMOD_Mitigated_Output file

```
       607975.00   4267350.20        0.26397  (09011608)                607980.00
 4267350.20        0.26824  (09011608)
       607985.00   4267350.20        0.27432  (09011608)                607990.00
 4267350.20        0.27806  (09011608)
       607995.00   4267350.20        0.28150  (09011608)                608000.00
 4267350.20        0.28457  (09011608)
       608005.00   4267350.20        0.28719  (09011608)                608010.00
 4267350.20        0.28929  (09011608)
       608015.00   4267350.20        0.29080  (09011608)                607900.00
 4267355.20        0.46846  (09011608)
       607905.00   4267355.20        0.34749  (09011608)                607910.00
 4267355.20        0.35227  (09011608)
       607915.00   4267355.20        0.35673  (09011608)                607935.00
 4267355.20        0.37045  (09011608)
       607940.00   4267355.20        0.37267  (09011608)                607945.00
 4267355.20        0.37435  (09011608)
       607950.00   4267355.20        0.37546  (09011608)                607955.00
 4267355.20        0.37600  (09011608)
       607960.00   4267355.20        0.37596  (09011608)                607965.00
 4267355.20        0.37534  (09011608)
       607970.00   4267355.20        0.25416  (09011608)                607975.00
 4267355.20        0.25759  (09011608)
       607980.00   4267355.20        0.26275  (09011608)                607985.00
 4267355.20        0.26554  (09011608)
       607990.00   4267355.20        0.26797  (09011608)                607995.00
 4267355.20        0.26997  (09011608)
       608000.00   4267355.20        0.27147  (09011608)                608005.00
 4267355.20        0.27242  (09011608)
       608010.00   4267355.20        0.27276  (09011608)                608015.00
 4267355.20        0.27244  (09011608)
       607900.00   4267360.20        0.44419  (09011608)                607905.00
 4267360.20        0.44280  (09011608)
       607910.00   4267360.20        0.44079  (09011608)                607915.00
 4267360.20        0.34734  (09011608)
       607935.00   4267360.20        0.35509  (09011608)                607940.00
 4267360.20        0.35573  (09011608)
       607945.00   4267360.20        0.35582  (09011608)                607950.00
 4267360.20        0.35535  (09011608)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        18:29:53

                                  PAGE 133
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_Mitigated_Output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607955.00	4267360.20	0.35431	(09011608)	607960.00	4267360.20	0.35272	(09011608)
607965.00	4267360.20	0.35058	(09011608)	607970.00	4267360.20	0.37930	(09011608)
607975.00	4267360.20	0.36734	(13120919)	607980.00	4267360.20	0.25353	(09011608)
607985.00	4267360.20	0.25504	(09011608)	607990.00	4267360.20	0.25608	(09011608)
607995.00	4267360.20	0.25660	(09011608)	608000.00	4267360.20	0.25655	(09011608)
608005.00	4267360.20	0.25588	(09011608)	608010.00	4267360.20	0.25476	(13120919)
608015.00	4267360.20	0.26052	(13120919)	607895.00	4267365.20	0.42155	(09011608)
607900.00	4267365.20	0.41931	(09011608)	607905.00	4267365.20	0.41651	(09011608)
607910.00	4267365.20	0.41317	(09011608)	607935.00	4267365.20	0.33831	(09011608)
607940.00	4267365.20	0.33752	(09011608)	607945.00	4267365.20	0.33619	(09011608)
607950.00	4267365.20	0.33433	(09011608)	607955.00	4267365.20	0.36546	(09011608)
607960.00	4267365.20	0.35868	(09011608)	607965.00	4267365.20	0.35426	(13120919)
607970.00	4267365.20	0.35277	(13120919)	607975.00	4267365.20	0.35074	(13120919)
607980.00	4267365.20	0.34817	(13120919)	607985.00	4267365.20	0.34503	(13120919)
607990.00	4267365.20	0.34172	(12122919)	607995.00	4267365.20	0.24158	(09011608)
608000.00	4267365.20	0.24006	(09011608)	608005.00	4267365.20	0.24399	(13120919)
608010.00	4267365.20	0.24941	(13120919)	608015.00	4267365.20	0.25404	(10012719)

UMAll_AERMOD_Mitigated_Output file

```
       607900.00   4267370.20        0.39432  (09011608)              607905.00
4267370.20        0.39041  (09011608)
       607910.00   4267370.20        0.38607  (09011608)              607915.00
4267370.20        0.38134  (09011608)
       607920.00   4267370.20        0.37626  (09011608)              607925.00
4267370.20        0.37086  (09011608)
       607930.00   4267370.20        0.36518  (09011608)              607935.00
4267370.20        0.35923  (09011608)
       607940.00   4267370.20        0.35306  (09011608)              607945.00
4267370.20        0.34704  (10020319)
       607950.00   4267370.20        0.34430  (10020319)              607955.00
4267370.20        0.34215  (13120919)
       607960.00   4267370.20        0.34124  (13120919)              607965.00
4267370.20        0.33986  (13120919)
       607970.00   4267370.20        0.33798  (13120919)              607975.00
4267370.20        0.33556  (13120919)
       607980.00   4267370.20        0.33261  (13120919)              607985.00
4267370.20        0.32988  (12122919)
       607990.00   4267370.20        0.32721  (12122919)              607995.00
4267370.20        0.32410  (10122318)
       608000.00   4267370.20        0.32203  (10122318)              608005.00
4267370.20        0.31974  (10122318)
       608010.00   4267370.20        0.31729  (10122318)              608015.00
4267370.20        0.31465  (10122318)
       607895.00   4267375.20        0.37397  (09011608)              607900.00
4267375.20        0.36961  (09011608)
       607905.00   4267375.20        0.36487  (09011608)              607910.00
4267375.20        0.35979  (09011608)
       607915.00   4267375.20        0.35441  (09011608)              607920.00
4267375.20        0.34876  (09011608)
       607925.00   4267375.20        0.34287  (09011608)              607930.00
4267375.20        0.33860  (12123119)
       607935.00   4267375.20        0.33662  (10020319)              607940.00
4267375.20        0.33442  (10020319)
       607945.00   4267375.20        0.33167  (10020319)              607950.00
4267375.20        0.33048  (13120919)
       607955.00   4267375.20        0.32964  (13120919)              607960.00
4267375.20        0.32836  (13120919)
       607965.00   4267375.20        0.32660  (13120919)              607970.00
4267375.20        0.32435  (13120919)
       607975.00   4267375.20        0.32157  (13120919)              607980.00
4267375.20        0.31926  (12122919)
       607985.00   4267375.20        0.31682  (12122919)              607990.00
4267375.20        0.31408  (10122318)
       607995.00   4267375.20        0.31222  (10122318)              608000.00
4267375.20        0.31009  (10122318)
```

UMAll_AERMOD_Mitigated_Output file
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 134
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608005.00	4267375.20	0.30774	(10122318)	608010.00	4267375.20	0.30521	(10122318)
608015.00	4267375.20	0.30273	(09011118)	607890.00	4267380.20	0.35522	(09011608)
607895.00	4267380.20	0.35050	(09011608)	607900.00	4267380.20	0.34546	(09011608)
607905.00	4267380.20	0.34012	(09011608)	607910.00	4267380.20	0.33452	(09011608)
607915.00	4267380.20	0.33034	(12123119)	607920.00	4267380.20	0.32905	(12123119)
607925.00	4267380.20	0.32713	(12123119)	607930.00	4267380.20	0.32546	(10020319)
607935.00	4267380.20	0.32324	(10020319)	607940.00	4267380.20	0.32049	(10020319)
607945.00	4267380.20	0.32003	(13120919)	607950.00	4267380.20	0.31926	(13120919)
607955.00	4267380.20	0.31807	(13120919)	607960.00	4267380.20	0.31643	(13120919)
607965.00	4267380.20	0.31431	(13120919)	607970.00	4267380.20	0.31170	(13120919)
607975.00	4267380.20	0.30970	(12122919)	607980.00	4267380.20	0.30746	(12122919)
607985.00	4267380.20	0.30496	(10122318)	607990.00	4267380.20	0.30333	(10122318)
607995.00	4267380.20	0.30137	(10122318)	608000.00	4267380.20	0.29916	(10122318)

UMAll_AERMOD_Mitigated_Output file

```
       608005.00   4267380.20        0.29675  (10122318)                608010.00
4267380.20        0.29432  (09011118)
       608015.00   4267380.20        0.29248  (13012018)                607890.00
4267385.20        0.33288  (09011608)
       607895.00   4267385.20        0.32760  (09011608)                607900.00
4267385.20        0.32247  (12010608)
       607905.00   4267385.20        0.32150  (12010608)                607910.00
4267385.20        0.32027  (12123119)
       607915.00   4267385.20        0.31890  (12123119)                607920.00
4267385.20        0.31721  (10020319)
       607925.00   4267385.20        0.31552  (10020319)                607930.00
4267385.20        0.31328  (10020319)
       607935.00   4267385.20        0.31096  (13120919)                607940.00
4267385.20        0.31063  (13120919)
       607945.00   4267385.20        0.30992  (13120919)                607950.00
4267385.20        0.30882  (13120919)
       607955.00   4267385.20        0.30729  (13120919)                607960.00
4267385.20        0.30530  (13120919)
       607965.00   4267385.20        0.30285  (10012719)                607970.00
4267385.20        0.30106  (12122919)
       607975.00   4267385.20        0.29902  (12122919)                607980.00
4267385.20        0.29661  (10122318)
       607985.00   4267385.20        0.29521  (10122318)                607990.00
4267385.20        0.29345  (10122318)
       607995.00   4267385.20        0.29140  (10122318)                608000.00
4267385.20        0.28912  (10122318)
       608005.00   4267385.20        0.28676  (09011118)                608010.00
4267385.20        0.28514  (11120818)
       608015.00   4267385.20        0.28400  (13012018)                607890.00
4267390.20        0.31378  (12010608)
       607895.00   4267390.20        0.31338  (12010608)                607900.00
4267390.20        0.31226  (12010608)
       607905.00   4267390.20        0.31124  (12123119)                607910.00
4267390.20        0.30980  (12123119)
       607915.00   4267390.20        0.30832  (10020319)                607920.00
4267390.20        0.30661  (10020319)
       607925.00   4267390.20        0.30438  (10020319)                607930.00
4267390.20        0.30241  (13120919)
       607935.00   4267390.20        0.30215  (13120919)                607940.00
4267390.20        0.30151  (13120919)
       607945.00   4267390.20        0.30048  (13120919)                607950.00
4267390.20        0.29904  (13120919)
       607955.00   4267390.20        0.29718  (13120919)                607960.00
4267390.20        0.29488  (10012719)
       607965.00   4267390.20        0.29321  (12122919)                607970.00
4267390.20        0.29135  (12122919)
       607975.00   4267390.20        0.28905  (12122919)                607980.00
4267390.20        0.28776  (10122318)
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UMAll_AERMOD_Mitigated_Output file

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       607985.00   4267390.20        0.28621  (10122318)               607990.00
 4267390.20        0.28434  (10122318)
       607995.00   4267390.20        0.28220  (10122318)               608000.00
 4267390.20        0.27992  (09011118)
       608005.00   4267390.20        0.27844  (11120818)               608010.00
 4267390.20        0.27712  (11120818)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608015.00   4267390.20        0.27622  (13012018)               607890.00
 4267395.20        0.30517  (12010608)
       607895.00   4267395.20        0.30396  (12123119)               607900.00
 4267395.20        0.30310  (12123119)
       607905.00   4267395.20        0.30160  (12123119)               607910.00
 4267395.20        0.30032  (10020319)
       607915.00   4267395.20        0.29861  (10020319)               607920.00
 4267395.20        0.29638  (10020319)
       607925.00   4267395.20        0.29466  (13120919)               607930.00
 4267395.20        0.29446  (13120919)
       607935.00   4267395.20        0.29388  (13120919)               607940.00
 4267395.20        0.29293  (13120919)
       607945.00   4267395.20        0.29159  (13120919)               607950.00
 4267395.20        0.28983  (13120919)
       607955.00   4267395.20        0.28765  (10012719)               607960.00
 4267395.20        0.28606  (12122919)
       607965.00   4267395.20        0.28438  (12122919)               607970.00
 4267395.20        0.28226  (12122919)
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UMAll_AERMOD_Mitigated_Output file

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       607975.00   4267395.20        0.28088  (10122318)              607980.00
4267395.20        0.27956  (10122318)
       607985.00   4267395.20        0.27788  (10122318)              607990.00
4267395.20        0.27591  (10122318)
       607995.00   4267395.20        0.27371  (09011118)              608000.00
4267395.20        0.27222  (11120818)
       608005.00   4267395.20        0.27101  (11120818)              608010.00
4267395.20        0.26977  (11120818)
       608015.00   4267395.20        0.26908  (13012018)              607917.70
4267058.10        0.30532  (11021008)
       607922.70   4267058.10        0.30539  (11021008)              607927.70
4267058.10        0.30522  (11021008)
       607932.70   4267058.10        0.30475  (11021008)              607937.70
4267058.10        0.30395  (11021008)
       607942.70   4267058.10        0.30275  (11021008)              607947.70
4267058.10        0.30195  (11122708)
       607952.70   4267058.10        0.30228  (11122708)              607957.70
4267058.10        0.30246  (11122708)
       607962.70   4267058.10        0.30243  (11122708)              607967.70
4267058.10        0.30213  (11122708)
       607972.70   4267058.10        0.30153  (11122708)              607977.70
4267058.10        0.30058  (11122708)
       607982.70   4267058.10        0.30021  (09120819)              607987.70
4267058.10        0.30006  (09120819)
       607917.70   4267063.10        0.30952  (11021008)              607922.70
4267063.10        0.30974  (11021008)
       607927.70   4267063.10        0.30973  (11021008)              607932.70
4267063.10        0.30945  (11021008)
       607937.70   4267063.10        0.30886  (11021008)              607942.70
4267063.10        0.30791  (11021008)
       607947.70   4267063.10        0.30653  (11021008)              607952.70
4267063.10        0.30645  (11122708)
       607957.70   4267063.10        0.30671  (11122708)              607962.70
4267063.10        0.30679  (11122708)
       607967.70   4267063.10        0.30662  (11122708)              607972.70
4267063.10        0.30615  (11122708)
       607977.70   4267063.10        0.30534  (11122708)              607982.70
4267063.10        0.30447  (09120819)
       607987.70   4267063.10        0.30440  (09120819)              607917.70
4267068.10        0.31382  (11021008)
       607922.70   4267068.10        0.31419  (11021008)              607927.70
4267068.10        0.31432  (11021008)
       607932.70   4267068.10        0.31422  (11021008)              607937.70
4267068.10        0.31383  (11021008)
       607942.70   4267068.10        0.31310  (11021008)              607947.70
4267068.10        0.31198  (11021008)
       607952.70   4267068.10        0.31076  (11122708)              607957.70
4267068.10        0.31110  (11122708)
```

UMAll_AERMOD_Mitigated_Output file

```
       607962.70   4267068.10        0.31128  (11122708)               607967.70
 4267068.10        0.31123  (11122708)
       607972.70   4267068.10        0.31090  (11122708)               607977.70
 4267068.10        0.31022  (11122708)
       607982.70   4267068.10        0.30918  (11122708)               607987.70
 4267068.10        0.30889  (09120819)
       607917.70   4267073.10        0.31823  (11021008)               607922.70
 4267073.10        0.31874  (11021008)
       607927.70   4267073.10        0.31902  (11021008)               607932.70
 4267073.10        0.31907  (11021008)
       607937.70   4267073.10        0.31886  (11021008)               607942.70
 4267073.10        0.31835  (11021008)
       607947.70   4267073.10        0.31748  (11021008)               607952.70
 4267073.10        0.31617  (11021008)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607957.70   4267073.10        0.31563  (11122708)               607962.70
 4267073.10        0.31590  (11122708)
       607967.70   4267073.10        0.31597  (11122708)               607972.70
 4267073.10        0.31577  (11122708)
       607977.70   4267073.10        0.31523  (11122708)               607982.70
 4267073.10        0.31433  (11122708)
       607987.70   4267073.10        0.31353  (09120819)               607917.70
 4267078.10        0.32276  (11021008)
       607922.70   4267078.10        0.32341  (11021008)               607927.70
 4267078.10        0.32382  (11021008)
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UMAll_AERMOD_Mitigated_Output file

```
       607932.70   4267078.10        0.32402  (11021008)              607937.70
4267078.10        0.32399  (11021008)
       607942.70   4267078.10        0.32368  (11021008)              607947.70
4267078.10        0.32303  (11021008)
       607952.70   4267078.10        0.32199  (11021008)              607957.70
4267078.10        0.32048  (11021008)
       607962.70   4267078.10        0.32067  (11122708)              607967.70
4267078.10        0.32085  (11122708)
       607972.70   4267078.10        0.32078  (11122708)              607977.70
4267078.10        0.32039  (11122708)
       607982.70   4267078.10        0.31963  (11122708)              607987.70
4267078.10        0.31848  (11122708)
       607917.70   4267083.10        0.32741  (11021008)              607922.70
4267083.10        0.32821  (11021008)
       607927.70   4267083.10        0.32876  (11021008)              607932.70
4267083.10        0.32910  (11021008)
       607937.70   4267083.10        0.32922  (11021008)              607942.70
4267083.10        0.32910  (11021008)
       607947.70   4267083.10        0.32867  (11021008)              607952.70
4267083.10        0.32787  (11021008)
       607957.70   4267083.10        0.32664  (11021008)              607962.70
4267083.10        0.32560  (11122708)
       607967.70   4267083.10        0.32588  (11122708)              607972.70
4267083.10        0.32594  (11122708)
       607977.70   4267083.10        0.32569  (11122708)              607982.70
4267083.10        0.32508  (11122708)
       607987.70   4267083.10        0.32408  (11122708)              607917.70
4267088.10        0.33218  (11021008)
       607922.70   4267088.10        0.33316  (11021008)              607927.70
4267088.10        0.33385  (11021008)
       607932.70   4267088.10        0.33432  (11021008)              607937.70
4267088.10        0.33458  (11021008)
       607942.70   4267088.10        0.33463  (11021008)              607947.70
4267088.10        0.33440  (11021008)
       607952.70   4267088.10        0.33384  (11021008)              607957.70
4267088.10        0.33287  (11021008)
       607962.70   4267088.10        0.33143  (11021008)              607967.70
4267088.10        0.33108  (11122708)
       607972.70   4267088.10        0.33126  (11122708)              607977.70
4267088.10        0.33115  (11122708)
       607982.70   4267088.10        0.33069  (11122708)              607987.70
4267088.10        0.32984  (11122708)
       607917.70   4267093.10        0.33709  (11021008)              607922.70
4267093.10        0.33825  (11021008)
       607927.70   4267093.10        0.33909  (11021008)              607932.70
4267093.10        0.33969  (11021008)
       607937.70   4267093.10        0.34009  (11021008)              607942.70
4267093.10        0.34029  (11021008)
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UMAll_AERMOD_Mitigated_Output file

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       607947.70   4267093.10        0.34025  (11021008)               607952.70
 4267093.10        0.33991  (11021008)
       607957.70   4267093.10        0.33920  (11021008)               607962.70
 4267093.10        0.33804  (11021008)
       607967.70   4267093.10        0.33645  (11122708)               607972.70
 4267093.10        0.33675  (11122708)
       607977.70   4267093.10        0.33679  (11122708)               607982.70
 4267093.10        0.33648  (11122708)
       607987.70   4267093.10        0.33578  (11122708)               607917.70
 4267098.10        0.34716  (12121217)
       607922.70   4267098.10        0.34351  (11021008)               607927.70
 4267098.10        0.34452  (11021008)
       607932.70   4267098.10        0.34525  (11021008)               607937.70
 4267098.10        0.34578  (11021008)
       607942.70   4267098.10        0.34612  (11021008)               607947.70
 4267098.10        0.34625  (11021008)
       607952.70   4267098.10        0.34611  (11021008)               607957.70
 4267098.10        0.34563  (11021008)
       607962.70   4267098.10        0.34474  (11021008)               607967.70
 4267098.10        0.34337  (11021008)
       607972.70   4267098.10        0.34243  (11122708)               607977.70
 4267098.10        0.34261  (11122708)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607982.70   4267098.10        0.34246  (11122708)               607987.70
 4267098.10        0.34191  (11122708)
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UMAll_AERMOD_Mitigated_Output file

```
       607917.70   4267103.10        0.35765  (12121217)              607922.70
4267103.10        0.35373  (12121217)
       607927.70   4267103.10        0.35012  (11021008)              607932.70
4267103.10        0.35100  (11021008)
       607937.70   4267103.10        0.35165  (11021008)              607942.70
4267103.10        0.35212  (11021008)
       607947.70   4267103.10        0.35240  (11021008)              607952.70
4267103.10        0.35246  (11021008)
       607957.70   4267103.10        0.35220  (11021008)              607962.70
4267103.10        0.35157  (11021008)
       607967.70   4267103.10        0.35049  (11021008)              607972.70
4267103.10        0.34888  (11021008)
       607977.70   4267103.10        0.34863  (11122708)              607982.70
4267103.10        0.34863  (11122708)
       607987.70   4267103.10        0.34825  (11122708)              607917.70
4267108.10        0.36792  (12121217)
       607922.70   4267108.10        0.36465  (12121217)              607927.70
4267108.10        0.36064  (12121217)
       607932.70   4267108.10        0.35696  (11021008)              607937.70
4267108.10        0.35774  (11021008)
       607942.70   4267108.10        0.35833  (11021008)              607947.70
4267108.10        0.35875  (11021008)
       607952.70   4267108.10        0.35898  (11021008)              607957.70
4267108.10        0.35893  (11021008)
       607962.70   4267108.10        0.35855  (11021008)              607967.70
4267108.10        0.35774  (11021008)
       607972.70   4267108.10        0.35643  (11021008)              607869.80
4267306.30        0.52654  (13012019)
       607874.80   4267306.30        0.53991  (13012019)              607879.80
4267306.30        0.36310  (13010719)
       607824.80   4267311.30        0.43451  (13012019)              607829.80
4267311.30        0.44216  (13012019)
       607864.80   4267311.30        0.51069  (13010719)              607869.80
4267311.30        0.52329  (13010719)
       607874.80   4267311.30        0.53660  (13010719)              607824.80
4267316.30        0.43200  (13010719)
       607829.80   4267316.30        0.44012  (13010719)              607834.80
4267316.30        0.44857  (13010719)
       607839.80   4267316.30        0.45736  (13010719)              607844.80
4267316.30        0.46653  (13010719)
       607864.80   4267316.30        0.50758  (13010719)              607869.80
4267316.30        0.51912  (13010719)
       607874.80   4267316.30        0.53127  (13010719)              607824.80
4267321.30        0.43124  (13010719)
       607829.80   4267321.30        0.43866  (13010719)              607834.80
4267321.30        0.44635  (13010719)
       607839.80   4267321.30        0.45433  (13010719)              607844.80
4267321.30        0.46262  (13010719)
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UMAll_AERMOD_Mitigated_Output file

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       607849.80   4267321.30        0.47125  (13010719)                607854.80
 4267321.30        0.48022  (13010719)
       607859.80   4267321.30        0.48959  (13010719)                607864.80
 4267321.30        0.49936  (13010719)
       607869.80   4267321.30        0.50958  (13010719)                607874.80
 4267321.30        0.52029  (13010719)
       607819.80   4267326.30        0.42030  (13010719)                607824.80
 4267326.30        0.42666  (13010719)
       607829.80   4267326.30        0.43321  (13010719)                607834.80
 4267326.30        0.43998  (13010719)
       607839.80   4267326.30        0.44697  (13010719)                607844.80
 4267326.30        0.45419  (13010719)
       607849.80   4267326.30        0.46167  (13010719)                607854.80
 4267326.30        0.47138  (13121219)
       607859.80   4267326.30        0.48212  (13121219)                607864.80
 4267326.30        0.49306  (13121219)
       607869.80   4267326.30        0.50420  (13121219)                607874.80
 4267326.30        0.51555  (13121219)
       607819.80   4267331.30        0.41264  (13010719)                607824.80
 4267331.30        0.41804  (13010719)
       607829.80   4267331.30        0.42401  (13121219)                607834.80
 4267331.30        0.43282  (13121219)
       607839.80   4267331.30        0.44172  (13121219)                607844.80
 4267331.30        0.45071  (13121219)
       607849.80   4267331.30        0.45977  (13121219)                607854.80
 4267331.30        0.46891  (13121219)
       607859.80   4267331.30        0.47813  (13121219)                607864.80
 4267331.30        0.48742  (13121219)
       607869.80   4267331.30        0.49679  (13121219)                607819.80
 4267336.30        0.40918  (13121219)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_Mitigated_Output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607824.80	4267336.30	0.41678	(13121219)	607829.80	4267336.30	0.42439	(13121219)
607834.80	4267336.30	0.43201	(13121219)	607839.80	4267336.30	0.43964	(13121219)
607844.80	4267336.30	0.44726	(13121219)	607849.80	4267336.30	0.45487	(13121219)
607854.80	4267336.30	0.46246	(13121219)	607859.80	4267336.30	0.47002	(13121219)
607864.80	4267336.30	0.47755	(13121219)	607869.80	4267336.30	0.48596	(12012820)
607814.80	4267341.30	0.40206	(13121219)	607819.80	4267341.30	0.40854	(13121219)
607824.80	4267341.30	0.41498	(13121219)	607829.80	4267341.30	0.42136	(13121219)
607834.80	4267341.30	0.42768	(13121219)	607839.80	4267341.30	0.43392	(13121219)
607844.80	4267341.30	0.44008	(13121219)	607849.80	4267341.30	0.44652	(12012820)
607854.80	4267341.30	0.45351	(12012820)	607859.80	4267341.30	0.46033	(12012820)
607864.80	4267341.30	0.46761	(12011318)	607814.80	4267346.30	0.39936	(13121219)
607819.80	4267346.30	0.40466	(13121219)	607824.80	4267346.30	0.40985	(13121219)
607829.80	4267346.30	0.41492	(13121219)	607834.80	4267346.30	0.42054	(12012820)
607839.80	4267346.30	0.42645	(12012820)	607844.80	4267346.30	0.43217	(12012820)
607849.80	4267346.30	0.43768	(12012820)	607854.80	4267346.30	0.44519	(12011318)
607859.80	4267346.30	0.45269	(12011318)	607864.80	4267346.30	0.45978	(12011318)
607814.80	4267351.30	0.39351	(13121219)	607819.80	4267351.30	0.39847	(12012820)
607824.80	4267351.30	0.40356	(12012820)	607829.80	4267351.30	0.40843	(12012820)
607834.80	4267351.30	0.41308	(12012820)	607839.80	4267351.30	0.41863	(12011318)
607844.80	4267351.30	0.42547	(12011318)	607849.80	4267351.30	0.43190	(12011318)
607854.80	4267351.30	0.43792	(12011318)	607859.80	4267351.30	0.44411	(13010118)

UMAll_AERMOD_Mitigated_Output file

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       607819.80   4267356.30        0.39215  (12012820)                607824.80
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       607829.80   4267356.30        0.40203  (12011318)                607834.80
 4267356.30        0.40799  (12011318)
       607839.80   4267356.30        0.41354  (12011318)                607844.80
 4267356.30        0.41866  (12011318)
       607849.80   4267356.30        0.42422  (13010118)                607854.80
 4267356.30        0.43074  (13010118)
       607859.80   4267356.30        0.43663  (13010118)                607829.80
 4267361.30        0.39721  (12011318)
       607834.80   4267361.30        0.40157  (12011318)                607839.80
 4267361.30        0.40662  (13010118)
       607844.80   4267361.30        0.41247  (13010118)                607849.80
 4267361.30        0.41772  (13010118)
       607854.80   4267361.30        0.42249  (09011608)                607859.80
 4267361.30        0.42724  (09011608)
       607839.80   4267366.30        0.40095  (13010118)                607844.80
 4267366.30        0.40517  (09011608)
       607849.80   4267366.30        0.40946  (09011608)                607854.80
 4267366.30        0.41305  (09011608)
       607849.80   4267371.30        0.39943  (09011608)                607854.80
 4267371.30        0.40130  (09011608)
       607829.50   4267189.20        0.39152  (11121017)                607834.50
 4267189.20        0.39710  (11121017)
       607839.50   4267189.20        0.40318  (13010208)                607844.50
 4267189.20        0.41019  (13010208)
       607849.50   4267189.20        0.42017  (09020918)                607854.50
 4267189.20        0.43520  (09020918)
       607859.50   4267189.20        0.45031  (09020918)                607864.50
 4267189.20        0.46540  (09020918)
       607869.50   4267189.20        0.48038  (09020918)                607874.50
 4267189.20        0.49515  (09020918)
       607879.50   4267189.20        0.50958  (09020918)                607884.50
 4267189.20        0.52353  (09020918)
       607829.50   4267194.20        0.39278  (11123117)                607834.50
 4267194.20        0.39905  (11121017)
       607839.50   4267194.20        0.40562  (11121017)                607844.50
 4267194.20        0.41209  (11121017)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_Mitigated_Output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607849.50	4267194.20	0.41856	(11123118)	607854.50	4267194.20	0.42645	(13010208)
607859.50	4267194.20	0.44148	(09020918)	607864.50	4267194.20	0.45748	(09020918)
607869.50	4267194.20	0.47356	(09020918)	607874.50	4267194.20	0.48962	(09020918)
607879.50	4267194.20	0.50555	(09020918)	607884.50	4267194.20	0.52123	(09020918)
607829.50	4267199.20	0.39527	(11123117)	607834.50	4267199.20	0.40138	(11123117)
607839.50	4267199.20	0.40746	(11123117)	607844.50	4267199.20	0.41368	(11121017)
607849.50	4267199.20	0.42122	(11121017)	607854.50	4267199.20	0.42869	(11121017)
607859.50	4267199.20	0.43608	(11121017)	607864.50	4267199.20	0.44800	(09020918)
607869.50	4267199.20	0.46492	(09020918)	607874.50	4267199.20	0.48202	(09020918)
607879.50	4267199.20	0.49920	(09020918)	607884.50	4267199.20	0.51636	(09020918)
607839.50	4267204.20	0.40949	(13010718)	607844.50	4267204.20	0.41646	(11123117)
607849.50	4267204.20	0.42356	(11123117)	607854.50	4267204.20	0.43068	(11123117)
607859.50	4267204.20	0.43857	(11121017)	607864.50	4267204.20	0.44721	(11121017)
607869.50	4267204.20	0.45583	(11121017)	607874.50	4267204.20	0.47268	(09020918)
607879.50	4267204.20	0.49084	(09020918)	607884.50	4267204.20	0.50919	(09020918)
607839.50	4267209.20	0.41718	(13010718)	607844.50	4267209.20	0.42279	(13010718)
607849.50	4267209.20	0.42849	(13010718)	607854.50	4267209.20	0.43428	(13010718)

```
       607859.50   4267209.20        0.44136  (11123117)              607864.50
4267209.20        0.44972  (11123117)
       607869.50   4267209.20        0.45815  (11123117)              607874.50
4267209.20        0.46801  (11121017)
       607879.50   4267209.20        0.48083  (09020918)              607884.50
4267209.20        0.50008  (09020918)
       607839.50   4267214.20        0.42210  (13010718)              607844.50
4267214.20        0.42860  (13010718)
       607849.50   4267214.20        0.43525  (13010718)              607854.50
4267214.20        0.44205  (13010718)
       607859.50   4267214.20        0.44901  (13010718)              607864.50
4267214.20        0.45614  (13010718)
       607869.50   4267214.20        0.46345  (13010718)              607874.50
4267214.20        0.47098  (11123117)
       607879.50   4267214.20        0.48096  (11123117)              607884.50
4267214.20        0.49156  (11121017)
       607839.50   4267219.20        0.42453  (13010718)              607844.50
4267219.20        0.43179  (13010718)
       607849.50   4267219.20        0.43924  (13010718)              607854.50
4267219.20        0.44691  (13010718)
       607859.50   4267219.20        0.45480  (13010718)              607864.50
4267219.20        0.46294  (13010718)
       607869.50   4267219.20        0.47133  (13010718)              607874.50
4267219.20        0.48001  (13010718)
       607879.50   4267219.20        0.48898  (13010718)              607884.50
4267219.20        0.49826  (13010718)
       607839.50   4267224.20        0.42774  (10013119)              607844.50
4267224.20        0.43470  (10013119)
       607849.50   4267224.20        0.44191  (10013119)              607854.50
4267224.20        0.44937  (10013119)
       607859.50   4267224.20        0.45788  (13010718)              607864.50
4267224.20        0.46686  (13010718)
       607869.50   4267224.20        0.47618  (13010718)              607874.50
4267224.20        0.48584  (13010718)
       607879.50   4267224.20        0.49589  (13010718)              607884.50
4267224.20        0.50636  (13010718)
       607839.50   4267229.20        0.42953  (10013119)              607844.50
4267229.20        0.43707  (10013119)
       607849.50   4267229.20        0.44488  (10013119)              607854.50
4267229.20        0.45298  (10013119)
       607859.50   4267229.20        0.46141  (10013119)              607864.50
4267229.20        0.47019  (10013119)
       607869.50   4267229.20        0.47936  (10013119)              607874.50
4267229.20        0.48896  (10013119)
       607879.50   4267229.20        0.49983  (13010718)              607884.50
4267229.20        0.51127  (13010718)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
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UMAll_AERMOD_Mitigated_Output file
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 140
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607839.50	4267234.20	0.43137	(12120917)	607844.50	4267234.20	0.43860	(12120917)
607849.50	4267234.20	0.44613	(12120917)	607854.50	4267234.20	0.45451	(10013119)
607859.50	4267234.20	0.46353	(10013119)	607864.50	4267234.20	0.47292	(10013119)
607869.50	4267234.20	0.48273	(10013119)	607874.50	4267234.20	0.49302	(10013119)
607879.50	4267234.20	0.50382	(10013119)	607884.50	4267234.20	0.51519	(10013119)
607839.50	4267239.20	0.43290	(12120917)	607844.50	4267239.20	0.44062	(12120917)
607849.50	4267239.20	0.44864	(12120917)	607854.50	4267239.20	0.45700	(12120917)
607859.50	4267239.20	0.46573	(12120917)	607864.50	4267239.20	0.47488	(12120917)
607869.50	4267239.20	0.48448	(12120917)	607874.50	4267239.20	0.49501	(10013119)
607879.50	4267239.20	0.50643	(10013119)	607884.50	4267239.20	0.51847	(10013119)
607839.50	4267244.20	0.43272	(12120917)	607844.50	4267244.20	0.44094	(12120917)
607849.50	4267244.20	0.44947	(12120917)	607854.50	4267244.20	0.45833	(12120917)
607859.50	4267244.20	0.46757	(12120917)	607864.50	4267244.20	0.47722	(12120917)

UMAll_AERMOD_Mitigated_Output file

```
       607869.50   4267244.20        0.48734  (12120917)                607874.50
4267244.20        0.49797  (12120917)
       607879.50   4267244.20        0.50918  (12120917)                607884.50
4267244.20        0.52104  (12120917)
       607839.50   4267249.20        0.43072  (12120917)                607844.50
4267249.20        0.43950  (12120917)
       607849.50   4267249.20        0.44859  (12120917)                607854.50
4267249.20        0.45801  (12120917)
       607859.50   4267249.20        0.46780  (12120917)                607864.50
4267249.20        0.47800  (12120917)
       607869.50   4267249.20        0.48867  (12120917)                607874.50
4267249.20        0.49985  (12120917)
       607879.50   4267249.20        0.51162  (12120917)                607884.50
4267249.20        0.52403  (12120917)
       607839.50   4267254.20        0.43544  (12010919)                607844.50
4267254.20        0.44271  (12010919)
       607849.50   4267254.20        0.45039  (12010919)                607854.50
4267254.20        0.45849  (12010919)
       607859.50   4267254.20        0.46707  (12010919)                607864.50
4267254.20        0.47712  (12120917)
       607869.50   4267254.20        0.48842  (12120917)                607874.50
4267254.20        0.50023  (12120917)
       607879.50   4267254.20        0.51263  (12120917)                607884.50
4267254.20        0.52567  (12120917)
       607839.50   4267259.20        0.44283  (12010919)                607844.50
4267259.20        0.45042  (12010919)
       607849.50   4267259.20        0.45841  (12010919)                607854.50
4267259.20        0.46684  (12010919)
       607859.50   4267259.20        0.47576  (12010919)                607864.50
4267259.20        0.48519  (12010919)
       607869.50   4267259.20        0.49521  (12010919)                607874.50
4267259.20        0.50586  (12010919)
       607879.50   4267259.20        0.51721  (12010919)                607884.50
4267259.20        0.52934  (12010919)
       607839.50   4267264.20        0.44885  (12010919)                607844.50
4267264.20        0.45683  (12010919)
       607849.50   4267264.20        0.46522  (12010919)                607854.50
4267264.20        0.47406  (12010919)
       607859.50   4267264.20        0.48339  (12010919)                607864.50
4267264.20        0.49326  (12010919)
       607869.50   4267264.20        0.50373  (12010919)                607874.50
4267264.20        0.51485  (12010919)
       607879.50   4267264.20        0.52669  (12010919)                607884.50
4267264.20        0.53933  (12010919)
       607839.50   4267269.20        0.45309  (12010919)                607844.50
4267269.20        0.46152  (12010919)
       607849.50   4267269.20        0.47039  (12010919)                607854.50
4267269.20        0.47973  (12010919)
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UMAll_AERMOD_Mitigated_Output file

607859.50 4267269.20 0.48957 (12010919) 607864.50 4267269.20 0.49998 (12010919)
607869.50 4267269.20 0.51101 (12010919) 607874.50 4267269.20 0.52271 (12010919)
607879.50 4267269.20 0.53517 (12010919) 607884.50 4267269.20 0.54847 (12010919)

*** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 141

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607839.50	4267274.20	0.45489	(12010919)	607844.50	4267274.20	0.46384	(12010919)
607849.50	4267274.20	0.47324	(12010919)	607854.50	4267274.20	0.48314	(12010919)
607859.50	4267274.20	0.49358	(12010919)	607864.50	4267274.20	0.50460	(12010919)
607869.50	4267274.20	0.51628	(12010919)	607874.50	4267274.20	0.52867	(12010919)
607879.50	4267274.20	0.54185	(12010919)	607884.50	4267274.20	0.40800	(12010919)
607839.50	4267279.20	0.45349	(12010919)	607844.50	4267279.20	0.46295	(12010919)
607849.50	4267279.20	0.47290	(12010919)	607854.50	4267279.20	0.48338	(12010919)
607859.50	4267279.20	0.49442	(12010919)	607864.50	4267279.20	0.50610	(12010919)
607869.50	4267279.20	0.51846	(12010919)	607874.50	4267279.20	0.53158	(12010919)

UMAll_AERMOD_Mitigated_Output file

```
       607879.50   4267279.20        0.54555  (12010919)              607884.50
4267279.20        0.39872  (13012019)
       608194.60   4267085.20        0.24287  (13010518)              608199.60
4267085.20        0.24307  (13010518)
       608204.60   4267085.20        0.24334  (11010508)              608309.60
4267085.20        0.23424  (11122818)
       608314.60   4267085.20        0.23491  (11122818)              608184.60
4267090.20        0.24521  (13010518)
       608189.60   4267090.20        0.24601  (13010518)              608194.60
4267090.20        0.24621  (13010518)
       608199.60   4267090.20        0.24644  (11010508)              608204.60
4267090.20        0.24610  (11010508)
       608304.60   4267090.20        0.23812  (11122818)              608309.60
4267090.20        0.23850  (11122818)
       608314.60   4267090.20        0.23849  (11122818)              608319.60
4267090.20        0.23811  (11122818)
       608324.60   4267090.20        0.23735  (11122818)              608184.60
4267095.20        0.24934  (13010518)
       608189.60   4267095.20        0.24953  (13010518)              608194.60
4267095.20        0.24972  (11010508)
       608199.60   4267095.20        0.24934  (11010508)              608204.60
4267095.20        0.25040  (10011519)
       608209.60   4267095.20        0.25182  (10011519)              608304.60
4267095.20        0.24201  (11122818)
       608309.60   4267095.20        0.24171  (11122818)              608314.60
4267095.20        0.24102  (11122818)
       608319.60   4267095.20        0.23997  (11122818)              608324.60
4267095.20        0.23858  (11122818)
       608184.60   4267100.20        0.25307  (13010518)              608189.60
4267100.20        0.25320  (11010508)
       608194.60   4267100.20        0.25278  (11010508)              608199.60
4267100.20        0.25431  (10011519)
       608204.60   4267100.20        0.25563  (10011519)              608209.60
4267100.20        0.25631  (10011519)
       608214.60   4267100.20        0.25635  (10011519)              608219.60
4267100.20        0.25574  (10011519)
       608224.60   4267100.20        0.25488  (13021718)              608304.60
4267100.20        0.24481  (11122818)
       608309.60   4267100.20        0.24382  (11122818)              608314.60
4267100.20        0.24247  (11122818)
       608319.60   4267100.20        0.24078  (11122818)              608189.60
4267105.20        0.25660  (10011519)
       608194.60   4267105.20        0.25845  (10011519)              608199.60
4267105.20        0.25965  (10011519)
       608204.60   4267105.20        0.26020  (10011519)              608209.60
4267105.20        0.26009  (10011519)
       608214.60   4267105.20        0.25933  (10011519)              608219.60
4267105.20        0.25869  (13021718)
```

UMAll_AERMOD_Mitigated_Output file

```
       608224.60   4267105.20        0.25832  (13021718)               608229.60
 4267105.20        0.25734  (13021718)
       608234.60   4267105.20        0.25575  (13021718)               608239.60
 4267105.20        0.25358  (13021718)
       608244.60   4267105.20        0.25088  (13021718)               608299.60
 4267105.20        0.24781  (11122818)
       608304.60   4267105.20        0.24650  (11122818)               608309.60
 4267105.20        0.24484  (11122818)
       608314.60   4267105.20        0.24284  (11122818)               608319.60
 4267105.20        0.24055  (11122818)
       608189.60   4267110.20        0.26283  (10011519)               608194.60
 4267110.20        0.26391  (10011519)
       608199.60   4267110.20        0.26432  (10011519)               608204.60
 4267110.20        0.26405  (10011519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608209.60   4267110.20        0.26312  (10011519)               608214.60
 4267110.20        0.26268  (13021718)
       608219.60   4267110.20        0.26210  (13021718)               608224.60
 4267110.20        0.26089  (13021718)
       608229.60   4267110.20        0.25906  (13021718)               608234.60
 4267110.20        0.25665  (13021718)
       608239.60   4267110.20        0.25425  (09021918)               608244.60
 4267110.20        0.25250  (09021918)
       608249.60   4267110.20        0.25026  (09021918)               608254.60
 4267110.20        0.24897  (11122818)
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UMAll_AERMOD_Mitigated_Output file

```
       608259.60   4267110.20        0.25078  (11122818)              608264.60
4267110.20        0.25211  (11122818)
       608269.60   4267110.20        0.25298  (11122818)              608274.60
4267110.20        0.25338  (11122818)
       608279.60   4267110.20        0.25333  (11122818)              608284.60
4267110.20        0.25286  (11122818)
       608289.60   4267110.20        0.25198  (11122818)              608294.60
4267110.20        0.25070  (11122818)
       608299.60   4267110.20        0.24906  (11122818)              608304.60
4267110.20        0.24708  (11122818)
       608309.60   4267110.20        0.24477  (11122818)              608314.60
4267110.20        0.24218  (11122818)
       608319.60   4267110.20        0.23931  (11122818)              608194.60
4267115.20        0.26870  (10011519)
       608199.60   4267115.20        0.26826  (10011519)              608204.60
4267115.20        0.26714  (10011519)
       608209.60   4267115.20        0.26688  (13021718)              608214.60
4267115.20        0.26607  (13021718)
       608219.60   4267115.20        0.26461  (13021718)              608224.60
4267115.20        0.26253  (13021718)
       608229.60   4267115.20        0.25986  (13021718)              608234.60
4267115.20        0.25784  (09021918)
       608239.60   4267115.20        0.25581  (09021918)              608244.60
4267115.20        0.25329  (09021918)
       608249.60   4267115.20        0.25455  (11122818)              608254.60
4267115.20        0.25603  (11122818)
       608259.60   4267115.20        0.25701  (11122818)              608264.60
4267115.20        0.25752  (11122818)
       608269.60   4267115.20        0.25757  (11122818)              608274.60
4267115.20        0.25717  (11122818)
       608279.60   4267115.20        0.25634  (11122818)              608284.60
4267115.20        0.25510  (11122818)
       608289.60   4267115.20        0.25348  (11122818)              608294.60
4267115.20        0.25150  (11122818)
       608299.60   4267115.20        0.24918  (11122818)              608304.60
4267115.20        0.24657  (11122818)
       608309.60   4267115.20        0.24367  (11122818)              608314.60
4267115.20        0.24051  (11122818)
       608204.60   4267120.20        0.27132  (13021718)              608209.60
4267120.20        0.27026  (13021718)
       608214.60   4267120.20        0.26853  (13021718)              608219.60
4267120.20        0.26618  (13021718)
       608224.60   4267120.20        0.26336  (09021918)              608229.60
4267120.20        0.26157  (09021918)
       608234.60   4267120.20        0.25923  (09021918)              608239.60
4267120.20        0.25855  (11122818)
       608244.60   4267120.20        0.26017  (11122818)              608249.60
4267120.20        0.26129  (11122818)
```

UMAll_AERMOD_Mitigated_Output file

```
       608254.60   4267120.20        0.26191  (11122818)                608259.60
 4267120.20        0.26204  (11122818)
       608264.60   4267120.20        0.26171  (11122818)                608269.60
 4267120.20        0.26093  (11122818)
       608274.60   4267120.20        0.25973  (11122818)                608279.60
 4267120.20        0.25812  (11122818)
       608284.60   4267120.20        0.25614  (11122818)                608289.60
 4267120.20        0.25381  (11122818)
       608294.60   4267120.20        0.25116  (11122818)                608299.60
 4267120.20        0.24822  (11122818)
       608304.60   4267120.20        0.24501  (11122818)                608309.60
 4267120.20        0.24157  (11122818)
       608314.60   4267120.20        0.23791  (11122818)                608229.60
 4267125.20        0.26284  (11122818)
       608234.60   4267125.20        0.26461  (11122818)                608239.60
 4267125.20        0.26585  (11122818)
       608244.60   4267125.20        0.26658  (11122818)                608249.60
 4267125.20        0.26680  (11122818)
       608254.60   4267125.20        0.26654  (11122818)                608259.60
 4267125.20        0.26580  (11122818)
       608264.60   4267125.20        0.26463  (11122818)                608269.60
 4267125.20        0.26303  (11122818)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608274.60   4267125.20        0.26104  (11122818)                608279.60
 4267125.20        0.25869  (11122818)
```

UMAll_AERMOD_Mitigated_Output file

608284.60 4267125.20 0.25600 (11122818) 608289.60
4267125.20 0.25301 (11122818)
608294.60 4267125.20 0.24974 (11122818) 608299.60
4267125.20 0.24623 (11122818)
608304.60 4267125.20 0.24249 (11122818) 608309.60
4267125.20 0.23856 (11122818)
607831.30 4267190.00 0.18402 (13103117) 607836.30
4267190.00 0.18445 (13103117)
607841.30 4267190.00 0.18467 (13103117) 607846.30
4267190.00 0.18466 (13103117)
607851.30 4267190.00 0.18527 (12102618) 607856.30
4267190.00 0.18620 (12102618)
607861.30 4267190.00 0.18681 (12102618) 607866.30
4267190.00 0.18707 (12102618)
607871.30 4267190.00 0.18697 (12102618) 607876.30
4267190.00 0.18647 (12102618)
607881.30 4267190.00 0.18574 (09112617) 607831.30
4267195.00 0.18437 (10092918)
607836.30 4267195.00 0.18520 (13103117) 607841.30
4267195.00 0.18588 (13103117)
607846.30 4267195.00 0.18635 (13103117) 607851.30
4267195.00 0.18658 (13103117)
607856.30 4267195.00 0.18657 (13103117) 607861.30
4267195.00 0.18627 (13103117)
607866.30 4267195.00 0.18658 (12102618) 607871.30
4267195.00 0.18698 (12102618)
607876.30 4267195.00 0.18698 (12102618) 607881.30
4267195.00 0.18657 (12102618)
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4267200.00 0.18682 (10092918)
607841.30 4267200.00 0.18684 (10092918) 607846.30
4267200.00 0.18668 (13103117)
607851.30 4267200.00 0.18737 (13103117) 607856.30
4267200.00 0.18781 (13103117)
607861.30 4267200.00 0.18799 (13103117) 607866.30
4267200.00 0.18789 (13103117)
607871.30 4267200.00 0.18746 (13103117) 607876.30
4267200.00 0.18669 (13103117)
607881.30 4267200.00 0.18615 (12102618) 607841.30
4267205.00 0.18855 (10092918)
607846.30 4267205.00 0.18876 (10092918) 607851.30
4267205.00 0.18877 (10092918)
607856.30 4267205.00 0.18857 (10092918) 607861.30
4267205.00 0.18830 (13103117)
607866.30 4267205.00 0.18863 (13103117) 607871.30
4267205.00 0.18865 (13103117)
607876.30 4267205.00 0.18833 (13103117) 607881.30
4267205.00 0.18763 (13103117)

UMAll_AERMOD_Mitigated_Output file

```
       607841.30   4267210.00        0.18895  (10092918)               607846.30
 4267210.00        0.18952  (10092918)
       607851.30   4267210.00        0.18989  (10092918)               607856.30
 4267210.00        0.19005  (10092918)
       607861.30   4267210.00        0.18998  (10092918)               607866.30
 4267210.00        0.18964  (10092918)
       607871.30   4267210.00        0.18901  (10092918)               607876.30
 4267210.00        0.18849  (13103117)
       607881.30   4267210.00        0.18820  (13103117)               607841.30
 4267215.00        0.18816  (10092918)
       607846.30   4267215.00        0.18903  (10092918)               607851.30
 4267215.00        0.18973  (10092918)
       607856.30   4267215.00        0.19021  (10092918)               607861.30
 4267215.00        0.19047  (10092918)
       607866.30   4267215.00        0.19046  (10092918)               607871.30
 4267215.00        0.19017  (10092918)
       607876.30   4267215.00        0.18956  (10092918)               607881.30
 4267215.00        0.18859  (10092918)
       607841.30   4267220.00        0.18989  (13111119)               607846.30
 4267220.00        0.18997  (13111119)
       607851.30   4267220.00        0.18989  (13111119)               607856.30
 4267220.00        0.18963  (13111119)
       607861.30   4267220.00        0.18970  (10092918)               607866.30
 4267220.00        0.18999  (10092918)
       607871.30   4267220.00        0.18999  (10092918)               607876.30
 4267220.00        0.18967  (10092918)
       607881.30   4267220.00        0.18899  (10092918)               607841.30
 4267225.00        0.19064  (13111119)
       607846.30   4267225.00        0.19094  (13111119)               607851.30
 4267225.00        0.19108  (13111119)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                   PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
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UMAll_AERMOD_Mitigated_Output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607856.30	4267225.00	0.19104	(13111119)	607861.30	4267225.00	0.19079	(13111119)
607866.30	4267225.00	0.19031	(13111119)	607871.30	4267225.00	0.18957	(13111119)
607876.30	4267225.00	0.18853	(10092918)	607881.30	4267225.00	0.18810	(10092918)
607841.30	4267230.00	0.19034	(13111119)	607846.30	4267230.00	0.19083	(13111119)
607851.30	4267230.00	0.19117	(13111119)	607856.30	4267230.00	0.19132	(13111119)
607861.30	4267230.00	0.19126	(13111119)	607866.30	4267230.00	0.19096	(13111119)
607871.30	4267230.00	0.19040	(13111119)	607876.30	4267230.00	0.18953	(13111119)
607881.30	4267230.00	0.18833	(13111119)	607841.30	4267235.00	0.18907	(13111119)
607846.30	4267235.00	0.18975	(13111119)	607851.30	4267235.00	0.19026	(13111119)
607856.30	4267235.00	0.19058	(13111119)	607861.30	4267235.00	0.19069	(13111119)
607866.30	4267235.00	0.19056	(13111119)	607871.30	4267235.00	0.19015	(13111119)
607876.30	4267235.00	0.18943	(13111119)	607881.30	4267235.00	0.18836	(13111119)
607841.30	4267240.00	0.18687	(13111119)	607846.30	4267240.00	0.18773	(13111119)
607851.30	4267240.00	0.18842	(13111119)	607856.30	4267240.00	0.18891	(13111119)
607861.30	4267240.00	0.18917	(13111119)	607866.30	4267240.00	0.18918	(13111119)
607871.30	4267240.00	0.18891	(13111119)	607876.30	4267240.00	0.18832	(13111119)
607881.30	4267240.00	0.18738	(13111119)	607841.30	4267245.00	0.18872	(10092019)
607846.30	4267245.00	0.18842	(10092019)	607851.30	4267245.00	0.18797	(10092019)
607856.30	4267245.00	0.18735	(10092019)	607861.30	4267245.00	0.18673	(13111119)
607866.30	4267245.00	0.18689	(13111119)	607871.30	4267245.00	0.18675	(13111119)
607876.30	4267245.00	0.18629	(13111119)	607881.30	4267245.00	0.18545	(13111119)

UMAll_AERMOD_Mitigated_Output file

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       607841.30   4267250.00        0.19121  (10092019)                607846.30
 4267250.00        0.19095  (10092019)
       607851.30   4267250.00        0.19052  (10092019)                607856.30
 4267250.00        0.18990  (10092019)
       607861.30   4267250.00        0.18908  (10092019)                607866.30
 4267250.00        0.18801  (10092019)
       607871.30   4267250.00        0.18666  (10092019)                607876.30
 4267250.00        0.18501  (10092019)
       607881.30   4267250.00        0.18301  (10092019)                607841.30
 4267255.00        0.19297  (10092019)
       607846.30   4267255.00        0.19275  (10092019)                607851.30
 4267255.00        0.19236  (10092019)
       607856.30   4267255.00        0.19176  (10092019)                607861.30
 4267255.00        0.19094  (10092019)
       607866.30   4267255.00        0.18986  (10092019)                607871.30
 4267255.00        0.18849  (10092019)
       607876.30   4267255.00        0.18679  (10092019)                607881.30
 4267255.00        0.18473  (10092019)
       607841.30   4267260.00        0.19393  (10092019)                607846.30
 4267260.00        0.19379  (10092019)
       607851.30   4267260.00        0.19345  (10092019)                607856.30
 4267260.00        0.19290  (10092019)
       607861.30   4267260.00        0.19210  (10092019)                607866.30
 4267260.00        0.19103  (10092019)
       607871.30   4267260.00        0.18965  (10092019)                607876.30
 4267260.00        0.18793  (10092019)
       607881.30   4267260.00        0.18583  (10092019)                607841.30
 4267265.00        0.19447  (12112718)
       607846.30   4267265.00        0.19430  (12112718)                607851.30
 4267265.00        0.19393  (12112718)
       607856.30   4267265.00        0.19332  (12112718)                607861.30
 4267265.00        0.19246  (12112718)
       607866.30   4267265.00        0.19142  (10092019)                607871.30
 4267265.00        0.19006  (10092019)
       607876.30   4267265.00        0.18834  (10092019)                607881.30
 4267265.00        0.18621  (10092019)
       607841.30   4267270.00        0.19430  (12112718)                607846.30
 4267270.00        0.19423  (12112718)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_Mitigated_Output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
607851.30	4267270.00	0.19395	(12112718)	607856.30	4267270.00	0.19343	(12112718)
607861.30	4267270.00	0.19263	(12112718)	607866.30	4267270.00	0.19152	(12112718)
607871.30	4267270.00	0.19007	(12112718)	607876.30	4267270.00	0.18824	(12112718)
607881.30	4267270.00	0.18599	(12112718)	607841.30	4267275.00	0.19283	(12112718)
607846.30	4267275.00	0.19290	(12112718)	607851.30	4267275.00	0.19274	(12112718)
607856.30	4267275.00	0.19232	(12112718)	607861.30	4267275.00	0.19162	(12112718)
607866.30	4267275.00	0.19059	(12112718)	607871.30	4267275.00	0.18919	(12112718)
607876.30	4267275.00	0.18742	(11112318)	607881.30	4267275.00	0.18526	(11112318)
607841.30	4267280.00	0.19387	(11112318)	607846.30	4267280.00	0.19392	(11112318)
607851.30	4267280.00	0.19377	(11112318)	607856.30	4267280.00	0.19339	(11112318)
607861.30	4267280.00	0.19273	(11112318)	607866.30	4267280.00	0.19176	(11112318)
608193.70	4267087.00	0.14877	(11010508)	608198.70	4267087.00	0.14947	(11010508)
608203.70	4267087.00	0.14982	(11010508)	608308.70	4267087.00	0.15590	(11122818)
608313.70	4267087.00	0.15656	(11122818)	608318.70	4267087.00	0.15693	(11122818)
608183.70	4267092.00	0.14821	(11010508)	608188.70	4267092.00	0.14928	(11010508)
608193.70	4267092.00	0.15000	(11010508)	608198.70	4267092.00	0.15036	(11010508)
608203.70	4267092.00	0.15103	(10011519)	608208.70	4267092.00	0.15259	(10011519)

UMAll_AERMOD_Mitigated_Output file

608303.70 4267092.00 0.15761 (11122818) 608308.70
4267092.00 0.15808 (11122818)
608313.70 4267092.00 0.15826 (11122818) 608318.70
4267092.00 0.15816 (11122818)
608323.70 4267092.00 0.15780 (11122818) 608328.70
4267092.00 0.15718 (11122818)
608183.70 4267097.00 0.14973 (11010508) 608188.70
4267097.00 0.15046 (11010508)
608193.70 4267097.00 0.15084 (11010508) 608198.70
4267097.00 0.15191 (10011519)
608203.70 4267097.00 0.15344 (10011519) 608208.70
4267097.00 0.15459 (10011519)
608213.70 4267097.00 0.15535 (10011519) 608303.70
4267097.00 0.15948 (11122818)
608308.70 4267097.00 0.15947 (11122818) 608313.70
4267097.00 0.15918 (11122818)
608318.70 4267097.00 0.15862 (11122818) 608323.70
4267097.00 0.15781 (11122818)
608183.70 4267102.00 0.15086 (11010508) 608188.70
4267102.00 0.15125 (11010508)
608193.70 4267102.00 0.15272 (10011519) 608198.70
4267102.00 0.15422 (10011519)
608203.70 4267102.00 0.15533 (10011519) 608208.70
4267102.00 0.15606 (10011519)
608213.70 4267102.00 0.15639 (10011519) 608218.70
4267102.00 0.15733 (13021718)
608223.70 4267102.00 0.15792 (13021718) 608303.70
4267102.00 0.16055 (11122818)
608308.70 4267102.00 0.16006 (11122818) 608313.70
4267102.00 0.15931 (11122818)
608318.70 4267102.00 0.15832 (11122818) 608323.70
4267102.00 0.15709 (11122818)
608183.70 4267107.00 0.15161 (10011519) 608188.70
4267107.00 0.15345 (10011519)
608193.70 4267107.00 0.15491 (10011519) 608198.70
4267107.00 0.15600 (10011519)
608203.70 4267107.00 0.15669 (10011519) 608208.70
4267107.00 0.15730 (13021718)
608213.70 4267107.00 0.15822 (13021718) 608218.70
4267107.00 0.15874 (13021718)
608223.70 4267107.00 0.15885 (13021718) 608228.70
4267107.00 0.15856 (13021718)
608233.70 4267107.00 0.15820 (09021918) 608238.70
4267107.00 0.15839 (09012218)
608243.70 4267107.00 0.15857 (09012218) 608248.70
4267107.00 0.15892 (09012219)

UMAll_AERMOD_Mitigated_Output file
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 146
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608253.70	4267107.00	0.15895	(09012219)	608298.70	4267107.00	0.16150	(11122818)
608303.70	4267107.00	0.16081	(11122818)	608308.70	4267107.00	0.15987	(11122818)
608313.70	4267107.00	0.15868	(11122818)	608318.70	4267107.00	0.15728	(11122818)
608188.70	4267112.00	0.15551	(10011519)	608193.70	4267112.00	0.15657	(10011519)
608198.70	4267112.00	0.15723	(10011519)	608203.70	4267112.00	0.15817	(13021718)
608208.70	4267112.00	0.15902	(13021718)	608213.70	4267112.00	0.15947	(13021718)
608218.70	4267112.00	0.15951	(13021718)	608223.70	4267112.00	0.15915	(13021718)
608228.70	4267112.00	0.15919	(09021918)	608233.70	4267112.00	0.15953	(09012218)
608238.70	4267112.00	0.15982	(09012219)	608243.70	4267112.00	0.16007	(09012219)
608248.70	4267112.00	0.15995	(09012219)	608253.70	4267112.00	0.15946	(09012219)
608258.70	4267112.00	0.16025	(11122818)	608263.70	4267112.00	0.16150	(11122818)
608268.70	4267112.00	0.16242	(11122818)	608273.70	4267112.00	0.16301	(11122818)
608278.70	4267112.00	0.16328	(11122818)	608283.70	4267112.00	0.16325	(11122818)

UMAll_AERMOD_Mitigated_Output file

```
       608288.70   4267112.00        0.16292  (11122818)                608293.70
4267112.00        0.16230  (11122818)
       608298.70   4267112.00        0.16142  (11122818)                608303.70
4267112.00        0.16028  (11122818)
       608308.70   4267112.00        0.15892  (11122818)                608313.70
4267112.00        0.15733  (11122818)
       608318.70   4267112.00        0.15556  (11122818)                608193.70
4267117.00        0.15773  (13021718)
       608198.70   4267117.00        0.15893  (13021718)                608203.70
4267117.00        0.15972  (13021718)
       608208.70   4267117.00        0.16010  (13021718)                608213.70
4267117.00        0.16007  (13021718)
       608218.70   4267117.00        0.15986  (09021918)                608223.70
4267117.00        0.16029  (09012218)
       608228.70   4267117.00        0.16059  (09012218)                608233.70
4267117.00        0.16103  (09012219)
       608238.70   4267117.00        0.16113  (09012219)                608243.70
4267117.00        0.16086  (09012219)
       608248.70   4267117.00        0.16092  (11122818)                608253.70
4267117.00        0.16231  (11122818)
       608258.70   4267117.00        0.16337  (11122818)                608263.70
4267117.00        0.16409  (11122818)
       608268.70   4267117.00        0.16448  (11122818)                608273.70
4267117.00        0.16455  (11122818)
       608278.70   4267117.00        0.16431  (11122818)                608283.70
4267117.00        0.16377  (11122818)
       608288.70   4267117.00        0.16296  (11122818)                608293.70
4267117.00        0.16188  (11122818)
       608298.70   4267117.00        0.16056  (11122818)                608303.70
4267117.00        0.15901  (11122818)
       608308.70   4267117.00        0.15725  (11122818)                608313.70
4267117.00        0.15531  (11122818)
       608213.70   4267122.00        0.16080  (09012218)                608218.70
4267122.00        0.16138  (09012218)
       608223.70   4267122.00        0.16181  (09012219)                608228.70
4267122.00        0.16215  (09012219)
       608233.70   4267122.00        0.16210  (09012219)                608238.70
4267122.00        0.16167  (09012219)
       608243.70   4267122.00        0.16301  (11122818)                608248.70
4267122.00        0.16421  (11122818)
       608253.70   4267122.00        0.16507  (11122818)                608258.70
4267122.00        0.16560  (11122818)
       608263.70   4267122.00        0.16578  (11122818)                608268.70
4267122.00        0.16565  (11122818)
       608273.70   4267122.00        0.16520  (11122818)                608278.70
4267122.00        0.16447  (11122818)
       608283.70   4267122.00        0.16345  (11122818)                608288.70
4267122.00        0.16218  (11122818)
```

UMAll_AERMOD_Mitigated_Output file

```
       608293.70   4267122.00        0.16068  (11122818)                608298.70
 4267122.00        0.15895  (11122818)
       608303.70   4267122.00        0.15703  (11122818)                608308.70
 4267122.00        0.15493  (11122818)
       608313.70   4267122.00        0.15268  (11122818)                608233.70
 4267127.00        0.16356  (11122818)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 147
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608238.70   4267127.00        0.16493  (11122818)                608243.70
 4267127.00        0.16595  (11122818)
       608248.70   4267127.00        0.16661  (11122818)                608253.70
 4267127.00        0.16693  (11122818)
       608258.70   4267127.00        0.16692  (11122818)                608263.70
 4267127.00        0.16658  (11122818)
       608268.70   4267127.00        0.16593  (11122818)                608273.70
 4267127.00        0.16500  (11122818)
       608278.70   4267127.00        0.16379  (11122818)                608283.70
 4267127.00        0.16233  (11122818)
       608288.70   4267127.00        0.16064  (11122818)                608293.70
 4267127.00        0.15875  (11122818)
       608298.70   4267127.00        0.15667  (11122818)                608303.70
 4267127.00        0.15442  (11122818)
       608165.70   4267052.20        0.13541  (10021319)                608170.70
 4267052.20        0.13613  (10021319)
       608175.70   4267052.20        0.13661  (10021319)                608180.70
 4267052.20        0.13685  (10021319)
```

UMAll_AERMOD_Mitigated_Output file

```
       608185.70   4267052.20        0.13684  (10021319)                608190.70
4267052.20        0.13657  (10021319)
       608195.70   4267052.20        0.13691  (11010308)                608200.70
4267052.20        0.13780  (11010308)
       608205.70   4267052.20        0.13899  (13010518)                608210.70
4267052.20        0.14069  (13010518)
       608215.70   4267052.20        0.14207  (13010518)                608220.70
4267052.20        0.14311  (13010518)
       608165.70   4267057.20        0.13635  (10021319)                608170.70
4267057.20        0.13689  (10021319)
       608175.70   4267057.20        0.13719  (10021319)                608180.70
4267057.20        0.13726  (10021319)
       608185.70   4267057.20        0.13707  (10021319)                608190.70
4267057.20        0.13737  (11010308)
       608195.70   4267057.20        0.13830  (11010308)                608200.70
4267057.20        0.13957  (13010518)
       608205.70   4267057.20        0.14129  (13010518)                608210.70
4267057.20        0.14269  (13010518)
       608215.70   4267057.20        0.14375  (13010518)                608220.70
4267057.20        0.14449  (11010508)
       608165.70   4267062.20        0.13713  (10021319)                608170.70
4267062.20        0.13749  (10021319)
       608175.70   4267062.20        0.13763  (10021319)                608180.70
4267062.20        0.13751  (10021319)
       608185.70   4267062.20        0.13782  (11010308)                608190.70
4267062.20        0.13879  (11010308)
       608195.70   4267062.20        0.14014  (13010518)                608200.70
4267062.20        0.14188  (13010518)
       608205.70   4267062.20        0.14329  (13010518)                608210.70
4267062.20        0.14437  (13010518)
       608215.70   4267062.20        0.14516  (11010508)                608220.70
4267062.20        0.14603  (11010508)
       608166.50   4267047.60        0.09282  (09113008)                608171.50
4267047.60        0.09350  (09113008)
       608176.50   4267047.60        0.09400  (09113008)                608181.50
4267047.60        0.09434  (09113008)
       608186.50   4267047.60        0.09486  (13112508)                608191.50
4267047.60        0.09619  (13112508)
       608196.50   4267047.60        0.09730  (13112508)                608201.50
4267047.60        0.09821  (13112508)
       608206.50   4267047.60        0.09909  (13092519)                608211.50
4267047.60        0.09987  (13092519)
       608216.50   4267047.60        0.10062  (09112408)                608166.50
4267052.60        0.09310  (09113008)
       608171.50   4267052.60        0.09364  (09113008)                608176.50
4267052.60        0.09402  (09113008)
       608181.50   4267052.60        0.09455  (13112508)                608186.50
4267052.60        0.09591  (13112508)
```

UMAll_AERMOD_Mitigated_Output file

```
       608191.50   4267052.60        0.09705  (13112508)               608196.50
 4267052.60        0.09798  (13112508)
       608201.50   4267052.60        0.09892  (13092519)               608206.50
 4267052.60        0.09972  (13092519)
       608211.50   4267052.60        0.10053  (09112408)               608216.50
 4267052.60        0.10121  (09112408)
       608166.50   4267057.60        0.09323  (09113008)               608171.50
 4267057.60        0.09365  (09113008)
       608176.50   4267057.60        0.09421  (13112508)               608181.50
 4267057.60        0.09559  (13112508)
       608186.50   4267057.60        0.09676  (13112508)               608191.50
 4267057.60        0.09771  (13112508)
       608196.50   4267057.60        0.09872  (13092519)               608201.50
 4267057.60        0.09955  (13092519)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608206.50   4267057.60        0.10041  (09112408)               608211.50
 4267057.60        0.10111  (09112408)
       608216.50   4267057.60        0.10157  (09112408)               608166.50
 4267062.60        0.09323  (09113008)
       608171.50   4267062.60        0.09384  (13112508)               608176.50
 4267062.60        0.09524  (13112508)
       608181.50   4267062.60        0.09643  (13112508)               608186.50
 4267062.60        0.09742  (13092519)
       608191.50   4267062.60        0.09848  (13092519)               608196.50
 4267062.60        0.09933  (13092519)
```

UMAll_AERMOD_Mitigated_Output file

```
       608201.50   4267062.60        0.10025  (09112408)              608206.50
4267062.60        0.10097  (09112408)
       608211.50   4267062.60        0.10146  (09112408)              608216.50
4267062.60        0.10171  (09112408)
       608162.80   4267051.30        0.06878  (10111608)              608167.80
4267051.30        0.06912  (10111608)
       608172.80   4267051.30        0.06931  (10111608)              608177.80
4267051.30        0.06935  (10111608)
       608182.80   4267051.30        0.06924  (10111608)              608187.80
4267051.30        0.06897  (10111608)
       608192.80   4267051.30        0.06854  (10111608)              608197.80
4267051.30        0.06795  (10111608)
       608202.80   4267051.30        0.06720  (10111608)              608207.80
4267051.30        0.06689  (09112408)
       608212.80   4267051.30        0.06761  (09112408)              608217.80
4267051.30        0.06817  (09112408)
       608162.80   4267056.30        0.06932  (10111608)              608167.80
4267056.30        0.06956  (10111608)
       608172.80   4267056.30        0.06966  (10111608)              608177.80
4267056.30        0.06960  (10111608)
       608182.80   4267056.30        0.06939  (10111608)              608187.80
4267056.30        0.06902  (10111608)
       608192.80   4267056.30        0.06848  (10111608)              608197.80
4267056.30        0.06778  (10111608)
       608202.80   4267056.30        0.06693  (10111608)              608207.80
4267056.30        0.06686  (09112408)
       608212.80   4267056.30        0.06743  (09112408)              608217.80
4267056.30        0.06786  (09112408)
       608162.80   4267061.30        0.06977  (10111608)              608167.80
4267061.30        0.06992  (10111608)
       608172.80   4267061.30        0.06992  (10111608)              608177.80
4267061.30        0.06977  (10111608)
       608182.80   4267061.30        0.06945  (10111608)              608187.80
4267061.30        0.06898  (10111608)
       608192.80   4267061.30        0.06833  (10111608)              608197.80
4267061.30        0.06753  (10111608)
       608202.80   4267061.30        0.06656  (10111608)              608207.80
4267061.30        0.06665  (09112408)
       608212.80   4267061.30        0.06708  (09112408)              608217.80
4267061.30        0.06737  (09112408)
       608255.80   4267195.00        0.28565  (11122818)              608275.80
4267195.00        0.25087  (11122818)
       608295.80   4267195.00        0.22970  (11122519)              608315.80
4267195.00        0.21876  (11122519)
       608335.80   4267195.00        0.20774  (11122519)              608355.80
4267195.00        0.19673  (11122519)
       608255.80   4267215.00        0.27668  (11122519)              608275.80
4267215.00        0.25965  (11122519)
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UMAll_AERMOD_Mitigated_Output file

```
       608295.80   4267215.00        0.24309  (11122519)               608315.80
 4267215.00        0.22703  (11122519)
       608335.80   4267215.00        0.21410  (10122718)               608355.80
 4267215.00        0.20170  (10122718)
       608255.80   4267235.00        0.28880  (10122718)               608275.80
 4267235.00        0.26856  (10122718)
       608295.80   4267235.00        0.24947  (10122718)               608315.80
 4267235.00        0.23307  (12120920)
       608335.80   4267235.00        0.21895  (12120920)               608355.80
 4267235.00        0.20583  (12120920)
       608255.80   4267255.00        0.29909  (12120920)               608275.80
 4267255.00        0.27639  (12120920)
       608295.80   4267255.00        0.25567  (12120920)               608315.80
 4267255.00        0.23700  (09010608)
       608335.80   4267255.00        0.22177  (09010608)               608355.80
 4267255.00        0.20799  (09010608)
       608275.80   4267275.00        0.28464  (09010608)               608295.80
 4267275.00        0.26291  (09010608)
       608315.80   4267275.00        0.24364  (09010608)               608335.80
 4267275.00        0.22651  (09010608)
       608355.80   4267275.00        0.21123  (09010608)               608275.80
 4267295.00        0.28406  (12121108)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608295.80   4267295.00        0.26044  (12121108)               608315.80
 4267295.00        0.23963  (12121108)
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UMAll_AERMOD_Mitigated_Output file

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       608335.80   4267295.00        0.22121  (12121108)              608355.80
4267295.00        0.20482  (12121108)
       608275.80   4267315.00        0.28793  (12012519)              608295.80
4267315.00        0.26526  (12012519)
       608315.80   4267315.00        0.24524  (12121108)              608335.80
4267315.00        0.22821  (12121108)
       608355.80   4267315.00        0.21287  (12121108)              608275.80
4267335.00        0.27553  (09120817)
       608295.80   4267335.00        0.25550  (12122920)              608315.80
4267335.00        0.23928  (12122920)
       608335.80   4267335.00        0.22411  (12122920)              608355.80
4267335.00        0.20996  (12122920)
       608275.80   4267355.00        0.27354  (09120419)              608295.80
4267355.00        0.25454  (09120419)
       608315.80   4267355.00        0.23535  (09120419)              608335.80
4267355.00        0.21653  (09120419)
       608355.80   4267355.00        0.20016  (09120817)              608175.80
4267375.00        0.27719  (10030620)
       608195.80   4267375.00        0.28367  (10030620)              608215.80
4267375.00        0.28250  (10030620)
       608235.80   4267375.00        0.27411  (10030620)              608255.80
4267375.00        0.25994  (10030620)
       608275.80   4267375.00        0.24630  (09120419)              608295.80
4267375.00        0.23777  (09120419)
       608315.80   4267375.00        0.22716  (09120419)              608335.80
4267375.00        0.21519  (09120419)
       608355.80   4267375.00        0.20246  (09120419)              608175.80
4267395.00        0.21419  (12020520)
       608195.80   4267395.00        0.22224  (10030418)              608215.80
4267395.00        0.23085  (10030620)
       608235.80   4267395.00        0.23479  (10030620)              608255.80
4267395.00        0.23325  (10030620)
       608275.80   4267395.00        0.22676  (10030620)              608295.80
4267395.00        0.21632  (10030620)
       608315.80   4267395.00        0.20307  (10030620)              608335.80
4267395.00        0.19731  (09120419)
       608355.80   4267395.00        0.19117  (09120419)              607875.80
4267415.00        0.35110  (12123119)
       607895.80   4267415.00        0.34471  (10020319)              607915.80
4267415.00        0.33927  (13120919)
       607935.80   4267415.00        0.33155  (10012719)              607955.80
4267415.00        0.32295  (11012518)
       607975.80   4267415.00        0.31525  (10122318)              607995.80
4267415.00        0.30798  (13021620)
       608015.80   4267415.00        0.30272  (12120219)              608035.80
4267415.00        0.30120  (13012018)
       608175.80   4267415.00        0.19279  (12020520)              608195.80
4267415.00        0.18394  (12020520)
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UMAll_AERMOD_Mitigated_Output file

```
       608215.80   4267415.00        0.18074  (10030418)               608235.80
 4267415.00        0.19036  (10030418)
       608255.80   4267415.00        0.19600  (10030418)               608275.80
 4267415.00        0.19831  (10030620)
       608295.80   4267415.00        0.19681  (10030620)               608315.80
 4267415.00        0.19177  (10030620)
       608335.80   4267415.00        0.18389  (10030620)               608355.80
 4267415.00        0.17392  (10030620)
       607855.80   4267435.00        0.32980  (12123119)               607875.80
 4267435.00        0.32604  (10020319)
       607895.80   4267435.00        0.32440  (13120919)               607915.80
 4267435.00        0.31937  (10012719)
       607935.80   4267435.00        0.31266  (11012518)               607955.80
 4267435.00        0.30740  (10122318)
       607975.80   4267435.00        0.30000  (13021620)               607995.80
 4267435.00        0.29700  (11120818)
       608015.80   4267435.00        0.29332  (13012018)               608035.80
 4267435.00        0.29249  (13012018)
       608055.80   4267435.00        0.28887  (13012018)               608095.80
 4267435.00        0.25525  (13012018)
       608115.80   4267435.00        0.21971  (13012018)               608135.80
 4267435.00        0.17901  (11121819)
       608155.80   4267435.00        0.17719  (13011019)               608175.80
 4267435.00        0.17392  (09011020)
       608195.80   4267435.00        0.16904  (12020520)               608215.80
 4267435.00        0.16016  (12020520)
       608235.80   4267435.00        0.15278  (10112919)               608255.80
 4267435.00        0.15835  (10030418)
       608275.80   4267435.00        0.16544  (10030418)               608295.80
 4267435.00        0.16926  (10030418)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                        ***        18:29:53

                                   PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
```

UMAll_AERMOD_Mitigated_Output file
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608315.80	4267435.00	0.17040	(10030620)	608335.80	4267435.00	0.16905	(10030620)
608355.80	4267435.00	0.16509	(10030620)	607855.80	4267455.00	0.30757	(10020319)
607875.80	4267455.00	0.30783	(13120919)	607895.80	4267455.00	0.30594	(13120919)
607915.80	4267455.00	0.30144	(12122919)	607935.80	4267455.00	0.29728	(10122318)
607955.80	4267455.00	0.29191	(09011118)	607975.80	4267455.00	0.28838	(13021620)
607995.80	4267455.00	0.28515	(12120219)	608015.80	4267455.00	0.28331	(13012018)
608035.80	4267455.00	0.28264	(13012018)	608055.80	4267455.00	0.27840	(13012018)
608075.80	4267455.00	0.26705	(13012018)	608095.80	4267455.00	0.24481	(13012018)
608115.80	4267455.00	0.21030	(13012018)	608135.80	4267455.00	0.16372	(13012018)
608155.80	4267455.00	0.16067	(13011019)	608175.80	4267455.00	0.15766	(13011019)
608195.80	4267455.00	0.15465	(09011020)	608215.80	4267455.00	0.14963	(12020520)
608235.80	4267455.00	0.14111	(12020520)	608255.80	4267455.00	0.13525	(10112919)
608275.80	4267455.00	0.13255	(10030418)	608295.80	4267455.00	0.14024	(10030418)
608315.80	4267455.00	0.14546	(10030418)	608335.80	4267455.00	0.14806	(10030418)
608355.80	4267455.00	0.14850	(10030620)	607835.80	4267475.00	0.28994	(10020319)
607855.80	4267475.00	0.29025	(13120919)	607875.80	4267475.00	0.29213	(13120919)
607895.80	4267475.00	0.28932	(12122919)	607915.80	4267475.00	0.28555	(10122318)
607935.80	4267475.00	0.28245	(09011118)	607955.80	4267475.00	0.27772	(13021620)
607975.80	4267475.00	0.27682	(11120818)	607995.80	4267475.00	0.27418	(12120219)
608015.80	4267475.00	0.27303	(13012018)	608035.80	4267475.00	0.27243	(13012018)
608055.80	4267475.00	0.26770	(13012018)	608075.80	4267475.00	0.25602	(13012018)

UMAll_AERMOD_Mitigated_Output file

```
       608095.80   4267475.00        0.23419  (13012018)                608115.80
 4267475.00        0.20078  (13012018)
       608135.80   4267475.00        0.15647  (13012018)                608155.80
 4267475.00        0.14745  (11121819)
       608175.80   4267475.00        0.14532  (13011019)                608195.80
 4267475.00        0.14126  (09011020)
       608215.80   4267475.00        0.13828  (09011020)                608235.80
 4267475.00        0.13356  (12020520)
       608255.80   4267475.00        0.12558  (12020520)                608275.80
 4267475.00        0.12097  (10112919)
       608295.80   4267475.00        0.11521  (09111618)                608315.80
 4267475.00        0.11933  (10030418)
       608335.80   4267475.00        0.12526  (10030418)                608355.80
 4267475.00        0.12914  (10030418)
       607815.80   4267495.00        0.27339  (10020319)                607835.80
 4267495.00        0.27223  (13120919)
       607855.80   4267495.00        0.27787  (13120919)                607875.80
 4267495.00        0.27619  (12122919)
       607895.80   4267495.00        0.27411  (11012518)                607915.80
 4267495.00        0.27250  (10122318)
       607935.80   4267495.00        0.26851  (09011118)                607955.80
 4267495.00        0.26689  (13021620)
       607975.80   4267495.00        0.26547  (11120818)                607995.80
 4267495.00        0.26326  (12120219)
       608015.80   4267495.00        0.26290  (13012018)                608035.80
 4267495.00        0.26230  (13012018)
       608055.80   4267495.00        0.25718  (13012018)                608075.80
 4267495.00        0.24526  (13012018)
       608095.80   4267495.00        0.22381  (13012018)                608115.80
 4267495.00        0.19153  (13012018)
       608135.80   4267495.00        0.14947  (13012018)                608155.80
 4267495.00        0.13560  (13012020)
       608175.80   4267495.00        0.13367  (11121819)                608195.80
 4267495.00        0.13141  (13011019)
       608215.80   4267495.00        0.12807  (09011020)                608235.80
 4267495.00        0.12431  (09011020)
       608255.80   4267495.00        0.12011  (12020520)                608275.80
 4267495.00        0.11274  (12020520)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 151
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

UMAll_AERMOD_Mitigated_Output file
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608295.80	4267495.00	0.10912	(10112919)	608315.80	4267495.00	0.10402	(09111618)
608335.80	4267495.00	0.10191	(10030418)	608355.80	4267495.00	0.10809	(10030418)
607815.80	4267515.00	0.25602	(09010617)	607835.80	4267515.00	0.26329	(13120919)
607855.80	4267515.00	0.26343	(10012719)	607875.80	4267515.00	0.26225	(12122919)
607895.80	4267515.00	0.26125	(10122318)	607915.80	4267515.00	0.25949	(09011118)
607935.80	4267515.00	0.25484	(13021620)	607955.80	4267515.00	0.25610	(13021620)
607975.80	4267515.00	0.25439	(09012918)	607995.80	4267515.00	0.25283	(13013008)
608015.80	4267515.00	0.25309	(13012018)	608035.80	4267515.00	0.25247	(13012018)
608055.80	4267515.00	0.24705	(13012018)	608075.80	4267515.00	0.23495	(13012018)
608095.80	4267515.00	0.21387	(13012018)	608115.80	4267515.00	0.18273	(13012018)
608135.80	4267515.00	0.14286	(13012018)	608155.80	4267515.00	0.12622	(13012020)
608175.80	4267515.00	0.12444	(11121819)	608195.80	4267515.00	0.12225	(13011019)
608215.80	4267515.00	0.11885	(13122119)	608235.80	4267515.00	0.11653	(09011020)
608255.80	4267515.00	0.11288	(12020520)	608275.80	4267515.00	0.10874	(12020520)
608295.80	4267515.00	0.10197	(12020520)	608315.80	4267515.00	0.09914	(10112919)
608335.80	4267515.00	0.09484	(10112919)	608355.80	4267515.00	0.09112	(09111618)
607915.80	4267535.00	0.24718	(09011118)	607935.80	4267535.00	0.24570	(13021620)

UMAll_AERMOD_Mitigated_Output file

```
       607955.80   4267535.00        0.24608  (11120818)                607975.80
4267535.00        0.24463  (12120219)
       607995.80   4267535.00        0.24349  (13013008)                608015.80
4267535.00        0.24371  (13012018)
       608035.80   4267535.00        0.24305  (13012018)                608055.80
4267535.00        0.23738  (13012018)
       608075.80   4267535.00        0.22517  (13012018)                608095.80
4267535.00        0.20447  (13012018)
       608115.80   4267535.00        0.17447  (13012018)                608135.80
4267535.00        0.13669  (13012018)
       608155.80   4267535.00        0.11777  (13010119)                608195.80
4267535.00        0.11388  (11121819)
       608215.80   4267535.00        0.11196  (13011019)                608235.80
4267535.00        0.10798  (09011020)
       608255.80   4267535.00        0.10640  (09011020)                608275.80
4267535.00        0.10306  (12020520)
       608295.80   4267535.00        0.09903  (12020520)                608315.80
4267535.00        0.09284  (12020520)
       608335.80   4267535.00        0.09062  (10112919)                608355.80
4267535.00        0.08705  (10112919)
       608055.80   4267555.00        0.22822  (13012018)                608075.80
4267555.00        0.21594  (13012018)
       608095.80   4267555.00        0.19564  (13012018)                608115.80
4267555.00        0.16676  (13012018)
       608135.80   4267555.00        0.13096  (13012018)                608155.80
4267555.00        0.10979  (13010119)
       608195.80   4267555.00        0.10693  (11121819)                608215.80
4267555.00        0.10474  (13011019)
       608235.80   4267555.00        0.10248  (13011019)                608255.80
4267555.00        0.09957  (09011020)
       608275.80   4267555.00        0.09750  (09011020)                608295.80
4267555.00        0.09454  (12020520)
       608315.80   4267555.00        0.09066  (12020520)                608335.80
4267555.00        0.08501  (12020520)
       608355.80   4267555.00        0.08328  (10112919)                608195.80
4267575.00        0.09998  (11121819)
       608215.80   4267575.00        0.09865  (11121819)                608235.80
4267575.00        0.09691  (13011019)
       608255.80   4267575.00        0.09392  (13122119)                608275.80
4267575.00        0.09204  (09011020)
       608295.80   4267575.00        0.08963  (09011020)                608315.80
4267575.00        0.08708  (12020520)
       608335.80   4267575.00        0.08341  (12020520)                608355.80
4267575.00        0.07824  (12020520)
       608195.80   4267595.00        0.09471  (13012020)                608215.80
4267595.00        0.09320  (11121819)
```

UMAll_AERMOD_Mitigated_Output file
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

PAGE 152
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): Q1QWU00A , Q1QWU00B , Q1QWU00C , Q1QWU00D , Q1QWU00E ,
Q1QWU00F , Q1QWU00G ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
608235.80	4267595.00	0.09100	(13011019)	608255.80	4267595.00	0.08961	(13011019)
608275.80	4267595.00	0.08634	(13122119)	608295.80	4267595.00	0.08527	(09011020)
608315.80	4267595.00	0.08267	(09011020)	608335.80	4267595.00	0.08053	(12020520)
608355.80	4267595.00	0.07706	(12020520)	608195.80	4267615.00	0.08967	(13010119)
608215.80	4267615.00	0.08766	(11121819)	608235.80	4267615.00	0.08658	(11121819)
608255.80	4267615.00	0.08493	(13011019)	608275.80	4267615.00	0.08283	(13011019)
608295.80	4267615.00	0.08024	(09011020)	608315.80	4267615.00	0.07920	(09011020)
608335.80	4267615.00	0.07669	(12020520)	608355.80	4267615.00	0.07475	(12020520)
608195.80	4267635.00	0.08493	(13010119)	608215.80	4267635.00	0.08348	(13012020)
608235.80	4267635.00	0.08219	(11121819)	608255.80	4267635.00	0.08019	(11121819)
608275.80	4267635.00	0.07920	(13011019)	608295.80	4267635.00	0.07672	(13122119)
608315.80	4267635.00	0.07504	(09011020)	608335.80	4267635.00	0.07373	(09011020)
608355.80	4267635.00	0.07153	(12020520)	607686.90	4267200.90	0.36798	(12120917)

UMAll_AERMOD_Mitigated_Output file

```
       607706.90   4267200.90        0.37882  (12120917)              607726.90
4267200.90        0.39196  (10013119)
       607746.90   4267200.90        0.40384  (10013119)              607766.90
4267200.90        0.41424  (13010718)
       607786.90   4267200.90        0.42572  (13010718)              607686.90
4267220.90        0.35794  (12120917)
       607706.90   4267220.90        0.37549  (12120917)              607726.90
4267220.90        0.39207  (12120917)
       607746.90   4267220.90        0.40732  (12120917)              607766.90
4267220.90        0.42082  (12120917)
       607786.90   4267220.90        0.43217  (12120917)              607806.90
4267220.90        0.44170  (10013119)
       607686.90   4267240.90        0.37171  (12010919)              607706.90
4267240.90        0.38249  (12010919)
       607726.90   4267240.90        0.39299  (12010919)              607746.90
4267240.90        0.40300  (12010919)
       607766.90   4267240.90        0.41226  (12010919)              607786.90
4267240.90        0.42159  (09012017)
       607806.90   4267240.90        0.43701  (12120917)              607686.90
4267260.90        0.37719  (12010919)
       607706.90   4267260.90        0.39125  (12010919)              607726.90
4267260.90        0.40523  (12010919)
       607746.90   4267260.90        0.41888  (12010919)              607766.90
4267260.90        0.43182  (12010919)
       607786.90   4267260.90        0.44356  (12010919)              607806.90
4267260.90        0.45345  (12010919)
       607686.90   4267280.90        0.36228  (10012418)              607706.90
4267280.90        0.37575  (10012418)
       607726.90   4267280.90        0.38943  (10012418)              607746.90
4267280.90        0.40314  (10012418)
       607766.90   4267280.90        0.41657  (10012418)              607786.90
4267280.90        0.42929  (10012418)
       607806.90   4267280.90        0.44068  (10012418)              607686.90
4267300.90        0.36548  (13012019)
       607706.90   4267300.90        0.38152  (13012019)              607726.90
4267300.90        0.39756  (13012019)
       607746.90   4267300.90        0.41332  (13012019)              607766.90
4267300.90        0.42844  (13012019)
       607786.90   4267300.90        0.44240  (13012019)              607706.90
4267320.90        0.39103  (13012019)
       607726.90   4267320.90        0.40319  (13012019)              607746.90
4267320.90        0.41469  (13012019)
       607766.90   4267320.90        0.42768  (13010719)              607786.90
4267320.90        0.44182  (13010719)
       607746.90   4267340.90        0.40924  (13010719)              607766.90
4267340.90        0.41686  (13010719)
       607666.90   4267380.90        0.34641  (13121219)              607686.90
4267380.90        0.36128  (13121219)
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UMAll_AERMOD_Mitigated_Output file

```
       607706.90   4267380.90        0.37313  (13121219)                607726.90
 4267380.90        0.38231  (12012820)
       607746.90   4267380.90        0.39234  (12012820)                607766.90
 4267380.90        0.39811  (12011318)
       607786.90   4267380.90        0.40935  (12011318)                607666.90
 4267400.90        0.34218  (12012820)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 153
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607686.90   4267400.90        0.35283  (12012820)                607706.90
 4267400.90        0.35927  (12012820)
       607726.90   4267400.90        0.37045  (12011318)                607746.90
 4267400.90        0.38048  (12011318)
       607766.90   4267400.90        0.38812  (10122319)                607786.90
 4267400.90        0.39472  (09011608)
       607806.90   4267400.90        0.39386  (09011608)                607826.90
 4267400.90        0.38270  (09011608)
       607666.90   4267420.90        0.32935  (12011318)                607686.90
 4267420.90        0.34312  (12011318)
       607706.90   4267420.90        0.35151  (12011318)                607726.90
 4267420.90        0.36049  (13010118)
       607746.90   4267420.90        0.36842  (09011608)                607766.90
 4267420.90        0.37079  (09011608)
       607786.90   4267420.90        0.36401  (09011608)                607806.90
 4267420.90        0.34874  (09011608)
       607826.90   4267420.90        0.34108  (12120318)                607686.90
 4267440.90        0.33387  (13010118)
```

UMAll_AERMOD_Mitigated_Output file

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       607706.90   4267440.90        0.34206  (09011608)              607726.90
4267440.90        0.34639  (09011608)
       607746.90   4267440.90        0.34276  (09011608)              607766.90
4267440.90        0.33138  (09011608)
       607786.90   4267440.90        0.31317  (09011608)              607806.90
4267440.90        0.31593  (12120318)
       607726.90   4267460.90        0.31292  (09011608)              607746.90
4267460.90        0.29823  (09011608)
       607766.90   4267460.90        0.28942  (12120318)              607786.90
4267460.90        0.29260  (12120318)
       607806.90   4267460.90        0.30117  (12010608)              607786.90
4267480.90        0.28187  (12010608)
       607885.30   4266901.70        0.27792  (11122708)              607905.30
4266901.70        0.27616  (11122708)
       607925.30   4266901.70        0.27453  (11120418)              607945.30
4266901.70        0.27270  (09120819)
       607985.30   4266901.70        0.26869  (13122308)              607885.30
4266921.70        0.28077  (11122708)
       607905.30   4266921.70        0.28171  (11122708)              607925.30
4266921.70        0.27846  (11120418)
       607945.30   4266921.70        0.27693  (09120819)              607985.30
4266921.70        0.27167  (13122308)
       607885.30   4266941.70        0.28232  (11122708)              607905.30
4266941.70        0.28586  (11122708)
       607925.30   4266941.70        0.28265  (11122708)              607945.30
4266941.70        0.28032  (09120819)
       607965.30   4266941.70        0.27736  (13121719)              607985.30
4266941.70        0.27445  (13011119)
       607725.30   4266961.70        0.31199  (09020919)              607745.30
4266961.70        0.30407  (12121217)
       607765.30   4266961.70        0.30546  (12121217)              607785.30
4266961.70        0.29645  (12121217)
       607805.30   4266961.70        0.27753  (12121217)              607825.30
4266961.70        0.28359  (11021008)
       607845.30   4266961.70        0.29590  (11021008)              607865.30
4266961.70        0.29870  (11021008)
       607885.30   4266961.70        0.29319  (11021008)              607905.30
4266961.70        0.28863  (11122708)
       607925.30   4266961.70        0.28795  (11122708)              607945.30
4266961.70        0.28396  (11120418)
       607965.30   4266961.70        0.28107  (09120819)              607985.30
4266961.70        0.27766  (13010218)
       607725.30   4266981.70        0.32591  (09020919)              607745.30
4266981.70        0.32202  (09020919)
       607765.30   4266981.70        0.31319  (12121217)              607785.30
4266981.70        0.31342  (12121217)
       607805.30   4266981.70        0.30289  (12121217)              607825.30
4266981.70        0.28221  (12121217)
```

UMAll_AERMOD_Mitigated_Output file

```
       607845.30   4266981.70        0.29482  (11021008)               607865.30
 4266981.70        0.30242  (11021008)
       607945.30   4266981.70        0.28733  (11122708)               607965.30
 4266981.70        0.28406  (09120819)
       607725.30   4267001.70        0.33448  (13013118)               607745.30
 4267001.70        0.33527  (09020919)
       607765.30   4267001.70        0.33188  (09020919)               607785.30
 4267001.70        0.32195  (12121217)
       607805.30   4267001.70        0.32089  (12121217)               607825.30
 4267001.70        0.30879  (12121217)
       607845.30   4267001.70        0.29024  (11021008)               607865.30
 4267001.70        0.30309  (11021008)
       607945.30   4267001.70        0.29177  (11122708)               607965.30
 4267001.70        0.28659  (11120418)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                        ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                       ***        18:29:53

                                  PAGE 154
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                Q1QWU00F    , Q1QWU00G    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       607725.30   4267021.70        0.33481  (13013118)               607745.30
 4267021.70        0.34417  (13013118)
       607765.30   4267021.70        0.34419  (09020919)               607785.30
 4267021.70        0.34134  (09020919)
       607805.30   4267021.70        0.33007  (12121217)               607825.30
 4267021.70        0.32760  (12121217)
       607845.30   4267021.70        0.31393  (12121217)               607865.30
 4267021.70        0.30043  (11021008)
       607725.30   4267041.70        0.34077  (12120317)               607745.30
 4267041.70        0.34176  (13013118)
```

UMAll_AERMOD_Mitigated_Output file

```
       607765.30   4267041.70        0.35309  (13013118)              607785.30
4267041.70        0.35269  (13013118)
       607805.30   4267041.70        0.35007  (09020919)              607825.30
4267041.70        0.33717  (12121217)
       607845.30   4267041.70        0.33322  (12121217)              607865.30
4267041.70        0.31800  (12121217)
       607725.30   4267061.70        0.35071  (13011717)              607745.30
4267061.70        0.35311  (12120317)
       607765.30   4267061.70        0.35380  (11042119)              607785.30
4267061.70        0.36080  (13013118)
       607805.30   4267061.70        0.36196  (13013118)              607825.30
4267061.70        0.35759  (09020919)
       607845.30   4267061.70        0.34318  (09020919)              607865.30
4267061.70        0.33729  (12121217)
       607725.30   4267081.70        0.36556  (13011717)              607745.30
4267081.70        0.36825  (13011717)
       607765.30   4267081.70        0.36329  (12120317)              607785.30
4267081.70        0.36770  (11042119)
       607805.30   4267081.70        0.36675  (13013118)              607825.30
4267081.70        0.36945  (13013118)
       607845.30   4267081.70        0.36328  (09020919)              607865.30
4267081.70        0.34911  (09020919)
       607725.30   4267101.70        0.35556  (13011717)              607745.30
4267101.70        0.37306  (13011717)
       607765.30   4267101.70        0.38169  (13011717)              607785.30
4267101.70        0.37967  (13011717)
       607805.30   4267101.70        0.37940  (11042119)              607825.30
4267101.70        0.37972  (11042119)
       607845.30   4267101.70        0.37429  (13013118)              607865.30
4267101.70        0.36627  (09020919)
       607725.30   4267121.70        0.35331  (13010208)              608160.20
4266951.30        0.22414  (11010519)
       608180.20   4266951.30        0.22124  (11010519)              608200.20
4266951.30        0.22268  (13122619)
       608260.20   4266951.30        0.21826  (10021319)              608280.20
4266951.30        0.21276  (10021319)
       608300.20   4266951.30        0.20055  (10021319)              608320.20
4266951.30        0.20314  (13010518)
       608160.20   4266971.30        0.23316  (11010519)              608180.20
4266971.30        0.23251  (13122619)
       608200.20   4266971.30        0.23233  (09120908)              608365.80
4266905.80        0.18083  (13010518)
       608395.80   4266905.80        0.18034  (11010508)              608425.80
4266905.80        0.17376  (10011519)
       608455.80   4266905.80        0.17251  (10011519)              608485.80
4266905.80        0.16654  (13021718)
       608365.80   4266935.80        0.19451  (11010508)              608395.80
4266935.80        0.18858  (10011519)
```

UMAll_AERMOD_Mitigated_Output file

```
       608425.80   4266935.80        0.18559  (10011519)               608455.80
 4266935.80        0.17895  (13021718)
       608485.80   4266935.80        0.16744  (13021718)               608365.80
 4266965.80        0.20531  (10011519)
       608395.80   4266965.80        0.20009  (10011519)               608425.80
 4266965.80        0.19235  (13021718)
       608455.80   4266965.80        0.17769  (09012218)               608485.80
 4266965.80        0.17068  (09012219)
       608365.80   4266995.80        0.21707  (13021718)               608395.80
 4266995.80        0.20680  (13021718)
       608425.80   4266995.80        0.19255  (09012219)               608455.80
 4266995.80        0.18948  (11122818)
       608485.80   4266995.80        0.18743  (11122818)               608365.80
 4267025.80        0.22227  (13021718)
       608395.80   4267025.80        0.21026  (11122818)               608425.80
 4267025.80        0.21058  (11122818)
       608455.80   4267025.80        0.20302  (11122818)               608485.80
 4267025.80        0.18920  (11122818)
       608365.80   4267055.80        0.23772  (11122818)               608395.80
 4267055.80        0.23142  (11122818)
       608425.80   4267055.80        0.21701  (11122818)               608455.80
 4267055.80        0.19677  (11122818)
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                          ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE 155
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     Q1QWU00A    , Q1QWU00B
 , Q1QWU00C    , Q1QWU00D    , Q1QWU00E    ,
                 Q1QWU00F    , Q1QWU00G    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM25     IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       608485.80   4267055.80        0.17297  (11122818)               608365.80
 4267085.80        0.25076  (11122818)
```

UMAll_AERMOD_Mitigated_Output file
608395.80 4267085.80 0.22830 (11122818) 608425.80
4267085.80 0.20106 (11122818)
608455.80 4267085.80 0.17159 (11122818) 608485.80
4267085.80 0.14211 (11122818)

↑ *** AERMOD - VERSION 18081 *** *** University Commons
*** 06/18/19
*** AERMET - VERSION 14134 *** ***
*** 18:29:53

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER 5 YEARS ***

** CONC OF PM25 IN MICROGRAMS/M**3
**

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- -
- - - - - - - - - - - - - - - - - -

ALL 1ST HIGHEST VALUE IS 0.01102 AT (607975.00, 4267360.20,
0.00, 0.00, 5.40) DC
2ND HIGHEST VALUE IS 0.01094 AT (607984.50, 4267363.70,
0.00, 0.00, 1.80) DC
3RD HIGHEST VALUE IS 0.01085 AT (607970.00, 4267360.20,
0.00, 0.00, 5.40) DC
4TH HIGHEST VALUE IS 0.01083 AT (607979.50, 4267363.70,
0.00, 0.00, 1.80) DC
5TH HIGHEST VALUE IS 0.01070 AT (607974.50, 4267363.70,
0.00, 0.00, 1.80) DC
6TH HIGHEST VALUE IS 0.01063 AT (607990.00, 4267365.20,
0.00, 0.00, 5.40) DC
7TH HIGHEST VALUE IS 0.01057 AT (607969.50, 4267363.70,
0.00, 0.00, 1.80) DC
8TH HIGHEST VALUE IS 0.01055 AT (608060.70, 4267366.30,
0.00, 0.00, 1.80) DC
9TH HIGHEST VALUE IS 0.01051 AT (607985.00, 4267365.20,
0.00, 0.00, 5.40) DC
10TH HIGHEST VALUE IS 0.01050 AT (608014.50, 4267368.70,
0.00, 0.00, 1.80) DC

```
                        UMAll_AERMOD_Mitigated_Output file
 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE 157
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

                                                  *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                     ** CONC OF PM25     IN MICROGRAMS/M**3
               **

                                                        DATE
                                          NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       0.54847  ON 12010919: AT (  607884.50,
4267269.20,     0.00,     0.00,    5.40)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  18081 ***   ***  University Commons
                         ***        06/18/19
 *** AERMET - VERSION  14134 ***   ***
                         ***        18:29:53

                                    PAGE 158
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            5 Warning Message(s)
```

```
                         UMAll_AERMOD_Mitigated_Output file
A Total of         9582 Informational Message(s)

A Total of        43872 Hours Were Processed

A Total of         7971 Calm Hours Identified

A Total of         1611 Missing Hours Identified (  3.67 Percent)


   ******** FATAL ERROR MESSAGES ********
             ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W276      10       POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
 PM25 H1H
CO W363      12       COCARD: Multiyr 24h/Ann PM25 processing not applicable for
 PM25 H1H
OU W565    7290       OUPLOT: Possible Conflict With Dynamically Allocated FUNIT
 PLOTFILE
OU W565    7291       PERPLT: Possible Conflict With Dynamically Allocated FUNIT
 PLOTFILE
MX W481   43873         MAIN: Data Remaining After End of Year. Number of Hours=
       48

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
```

University Commons
HARP 2 RAST
Unmitigated

1	Construction	9901	DieselExhP	0.14161	7.04884	0	0	0

*HARP - HRACalc v19044 6/18/2019 6:04:17 PM - Cancer Risk - Input File: C:\Users\jbyrne\Desktop\UMall HARP\Unmitigated\UComm_UnmitigatedHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS
1	Construction		9901	DieselExhPM	0.14161	1.23E-04	30YrCancerDerived_Inh_FAH16to70	*

INH_RISK	SOIL_RISK	DERMAL_RISK	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK
1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER	2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	INHALATION		0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 6/18/2019 6:04:17 PM - Acute Risk - Input File: C:\Users\jbyrne\Desktop\UMall HARP\Unmitigated\UComm_UnmitigatedHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV
1	Construction		9901	DieselExhPM	7.04884	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 6/18/2019 6:04:17 PM - Chronic Risk - Input File: C:\Users\jbyrne\Desktop\UMall HARP\Unmitigated\UComm_UnmitigatedHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS
1	Construction		9901	DieselExhPM	0.14161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00

IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO
0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00

BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE	WATER_DOSE
0.00E+00	0.00E+00	0.00E+00	*	1.42E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE	1ST_DRIVER	2ND_DRIVER
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
	0.00E+00	0.00E+00	0.00E+00

University Commons
HARP 2 RAST
Unmitigated

1	2	3	4	5	6	7	8	9	10
POL	POLABBREV	InhalationCancerURF	InhalationCancerSlopeFactor	OralCancerSlopeFactor	AcuteREL	InhalationChronicREL	OralChronicREL	IsMultipathway	AcuteCV_
9901	DieselExhPM	0.0003	1.1			5		FALSE	FALSE

11	12	13	14	15	16	17	18	19	20
AcuteCNS_	AcuteIMMUN_	AcuteKIDNEY_	AcuteGILV_	AcuteREPRO_DEVEL_	AcuteRESP_	AcuteSKIN_	AcuteEYE_	AcuteBONE_TEETH_	AcuteENDO_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

21	22	23	24	25	26	27	28	29	30
AcuteBLOOD_	AcuteODOR_	AcuteGENERAL_	InhalationChronicCV_	InhalationChronicCNS_	InhalationChronicIMMUN_	InhalationChronicKIDNEY_	InhalationChronicGILV_	InhalationChronicREPRO_DEVEL_	InhalationChronicRESP_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE

31	32	33	34	35	36	37	38	39	40
InhalationChronicSKIN_	InhalationChronicEYE_	InhalationChronicBONE_TEETH_	InhalationChronicENDO_	InhalationChronicBLOOD_	InhalationChronicODOR_	InhalationChronicGENERAL_	OralChronicCV_	OralChronicCNS_	OralChronicIMMUN_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

41	42	43	44	45	46	47	48	49	50
OralChronicKIDNEY_	OralChronicGILV_	OralChronicREPRO_DEVEL_	OralChronicRESP_	OralChronicSKIN_	OralChronicEYE_	OralChronicBONE_TEETH_	OralChronicENDO_	OralChronicBLOOD_	OralChronicODOR_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

51	52	53	54	55	56	57	58	59	60
OralChronicGENERAL_	PathwayInhalation	PathwayDrinking	PathwayFood	PathwayCrop	PathwayExposed	PathwayLeafy	PathwayProtected	PathwayRoot	PathwayDairy
FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

61	62	63	64	65	66	67	68	69	70
PathwayMeatEggs	PathwaySoilIngestion	PathwayFish	PathwayDermal	PathwayMothersMilk	SoilUptakeFactorLeafy	SoilUptakeFactorExposed	SoilUptakeFactorProtected	SoilUptakeFactorRoot	FoodTcoMilk
FALSE	FALSE	FALSE	FALSE	FALSE					

71	72	73	74	75	76	77	78	79	80
FoodTcoEgg	FoodTcoChicken	FoodTcoBeef	FoodTcoPig	HalfLifeInSoil	GRAF	FishBCF	MolWtCorrection	DermalAbsorptionFactor	InhalationChronicREL_8HR
							1		

81	82	83	84	85	86	87	88	89	90
InhalationChronicCV_8HR	InhalationChronicCNS_8HR	InhalationChronicIMMUN_8HR	InhalationChronicKIDNEY_8HR	InhalationChronicGILV_8HR	InhalationChronicREPRO_DEVEL_8HR	InhalationChronicRESP_8HR	InhalationChronicSKIN_8HR	InhalationChronicEYE_8HR	InhalationChronicBONE_TEETH_8HR
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

91	92	93	94	95	96	97
InhalationChronicENDO_8HR	InhalationChronicBLOOD_8HR	InhalationChronicODOR_8HR	InhalationChronicGENERAL_8HR	Tco_InhMM	Tco_OralMM	RChem_Group_HV
FALSE	FALSE	FALSE	FALSE			

University Commons
HARP 2 RAST
Mitigated

1	Construction	9901	DieselExhP	0.01102	0.54847	0	0	0

*HARP - HRACalc v19044 6/18/2019 6:45:28 PM - Cancer Risk - Input File: C:\Users\jbyrne\Desktop\UMall HARP\Mitigated\UComm_MitigatedHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK
1	Construction		9901	DieselExhPM	0.01102	9.53E-06	30YrCancerDerived_Inh_FAH16to70	*	9.53E-06	0.00E+00

DERMAL_RISK	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION

2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 6/18/2019 6:45:28 PM - Acute Risk - Input File: C:\Users\jbyrne\Desktop\UMall HARP\Mitigated\UComm_MitigatedHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
1	Construction		9901	DieselExhPM	0.54847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 6/18/2019 6:45:28 PM - Chronic Risk - Input File: C:\Users\jbyrne\Desktop\UMall HARP\Mitigated\UComm_MitigatedHRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV
1	Construction		9901	DieselExhPM	0.01102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE
0.00E+00	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.10E-02	0.00E+00

DERMAL_DOSE	MMILK_DOSE	WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE	1ST_DRIVER	2ND_DRIVER
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
	0.00E+00	0.00E+00	0.00E+00

University Commons
HARP 2 RAST
Mitigated

1	2	3	4	5	6	7	8	9	10
POL	POLABBREV	InhalationCancerURF	InhalationCancerSlopeFactor	OralCancerSlopeFactor	AcuteREL	InhalationChronicREL	OralChronicREL	IsMultipathway	AcuteCV_
9901	DieselExhPM	0.0003	1.1			5		FALSE	FALSE

11	12	13	14	15	16	17	18	19	20
AcuteCNS_	AcuteIMMUN_	AcuteKIDNEY_	AcuteGILV_	AcuteREPRO_DEVEL_	AcuteRESP_	AcuteSKIN_	AcuteEYE_	AcuteBONE_TEETH_	AcuteENDO_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

21	22	23	24	25	26	27	28	29	30
AcuteBLOOD_	AcuteODOR_	AcuteGENERAL_	InhalationChronicCV_	InhalationChronicCNS_	InhalationChronicIMMUN_	InhalationChronicKIDNEY_	InhalationChronicGILV_	InhalationChronicREPRO_DEVEL_	InhalationChronicRESP_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE

31	32	33	34	35	36	37	38	39	40
InhalationChronicSKIN_	InhalationChronicEYE_	InhalationChronicBONE_TEETH_	InhalationChronicENDO_	InhalationChronicBLOOD_	InhalationChronicODOR_	InhalationChronicGENERAL_	OralChronicCV_	OralChronicCNS_	OralChronicIMMUN_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

41	42	43	44	45	46	47	48	49	50
OralChronicKIDNEY_	OralChronicGILV_	OralChronicREPRO_DEVEL_	OralChronicRESP_	OralChronicSKIN_	OralChronicEYE_	OralChronicBONE_TEETH_	OralChronicENDO_	OralChronicBLOOD_	OralChronicODOR_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

51	52	53	54	55	56	57	58	59	60
OralChronicGENERAL_	PathwayInhalation	PathwayDrinking	PathwayFood	PathwayCrop	PathwayExposed	PathwayLeafy	PathwayProtected	PathwayRoot	PathwayDairy
FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

61	62	63	64	65	66	67	68	69	70
PathwayMeatEggs	PathwaySoilIngestion	PathwayFish	PathwayDermal	PathwayMothersMilk	SoilUptakeFactorLeafy	SoilUptakeFactorExposed	SoilUptakeFactorProtected	SoilUptakeFactorRoot	FoodTcoMilk
FALSE	FALSE	FALSE	FALSE	FALSE					

71	72	73	74	75	76	77	78	79	80
FoodTcoEgg	FoodTcoChicken	FoodTcoBeef	FoodTcoPig	HalfLifeInSoil	GRAF	FishBCF	MolWtCorrection	DermalAbsorptionFactor	InhalationChronicREL_8HR
							1		

81	82	83	84	85	86	87	88	89	90
InhalationChronicCV_8HR	InhalationChronicCNS_8HR	InhalationChronicIMMUN_8HR	InhalationChronicKIDNEY_8HR	InhalationChronicGILV_8HR	InhalationChronicREPRO_DEVEL_8HR	InhalationChronicRESP_8HR	InhalationChronicSKIN_8HR	InhalationChronicEYE_8HR	InhalationChronicBONE_TEETH_8HR
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

91	92	93	94	95	96	97	
InhalationChronicENDO_8HR	InhalationChronicBLOOD_8HR	InhalationChronicODOR_8HR	InhalationChronicGENERAL_8HR	Tco_InhMM	Tco_OralMM	RChem_Group_HV	
FALSE	FALSE	FALSE	FALSE				

Appendix F

University Commons Project (Mitigated)

Yolo/Solano AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	548.00	Space	0.00	246,000.00	0
Parking Lot	145.00	Space	1.30	87,000.00	0
Apartments Mid Rise	264.00	Dwelling Unit	2.30	264,000.00	894
Regional Shopping Center	102.80	1000sqft	0.00	102,800.00	0
Regional Shopping Center	34.00	1000sqft	0.78	34,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E RPS

Land Use - applicant provided

Construction Phase - applicant provided

Off-road Equipment -

Trips and VMT -

On-road Fugitive Dust - YSAQMD Standard

Demolition -

Grading - applicant provided

Vehicle Trips - adjusted per traffic report

Road Dust - Per Chiles Road

Woodstoves - per applicant

Energy Use - Updated per 2019 CBSC

Construction Off-road Equipment Mitigation - Engine Tier Mitigation

Mobile Land Use Mitigation -

Area Mitigation - per YSAQMD rules and regulations

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	5.00	32.00
tblConstructionPhase	NumDays	8.00	93.00
tblConstructionPhase	NumDays	18.00	10.00

tblConstructionPhase	NumDays	230.00	608.00
tblConstructionPhase	NumDays	18.00	608.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24E	332.81	309.51
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	5,484.45	5,100.54
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	46.50	8.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	219,200.00	246,000.00
tblLandUse	LandUseSquareFeet	58,000.00	87,000.00
tblLandUse	LotAcreage	4.93	0.00
tblLandUse	LotAcreage	6.95	2.30
tblLandUse	LotAcreage	2.36	0.00
tblLandUse	Population	755.00	894.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripNumber	563.00	562.00
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	HO_TL	7.00	10.88
tblVehicleTrips	HS_TL	5.00	7.78

tblVehicleTrips	HW_TL	10.00	15.54
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	49.97	54.06
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	25.24	54.06
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	42.70	54.06

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.9553	5.1142	3.8031	9.4100e-003	0.8642	0.2193	1.0835	0.3854	0.2039	0.5893	0.0000	843.0913	843.0913	0.1483	0.0000	846.7991
2022	2.2540	5.1786	5.3175	0.0164	0.7240	0.1706	0.8946	0.1953	0.1614	0.3567	0.0000	1,480.1886	1,480.1886	0.1437	0.0000	1,483.7822
2023	0.8709	1.6865	1.8957	5.9500e-003	0.2697	0.0541	0.3238	0.0727	0.0512	0.1240	0.0000	537.4618	537.4618	0.0489	0.0000	538.6852
Maximum	**2.2540**	**5.1786**	**5.3175**	**0.0164**	**0.8642**	**0.2193**	**1.0835**	**0.3854**	**0.2039**	**0.5893**	**0.0000**	**1,480.1886**	**1,480.1886**	**0.1483**	**0.0000**	**1,483.7822**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.5902	1.1526	4.0191	9.4100e-003	0.8642	0.0119	0.8760	0.3854	0.0117	0.3970	0.0000	843.0908	843.0908	0.1483	0.0000	846.7985
2022	1.9706	2.5030	5.5211	0.0164	0.7240	0.0162	0.7402	0.1953	0.0158	0.2111	0.0000	1,480.1880	1,480.1880	0.1437	0.0000	1,483.7816
2023	0.7755	0.7855	1.9787	5.9500e-003	0.2697	5.0400e-003	0.2747	0.0727	4.9000e-003	0.0776	0.0000	537.4616	537.4616	0.0489	0.0000	538.6850
Maximum	**1.9706**	**2.5030**	**5.5211**	**0.0164**	**0.8642**	**0.0162**	**0.8760**	**0.3854**	**0.0158**	**0.3970**	**0.0000**	**1,480.1880**	**1,480.1880**	**0.1483**	**0.0000**	**1,483.7816**

University Commons Project (Mitigated) - Yolo/Solano AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**18.23**	**62.93**	**-4.56**	**0.00**	**0.00**	**92.54**	**17.85**	**0.00**	**92.24**	**35.91**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-1-2021**	**4-30-2021**	1.5955	0.1653
2	**5-1-2021**	**7-31-2021**	1.6205	0.1938
3	**8-1-2021**	**10-31-2021**	1.5217	0.6119
4	**11-1-2021**	**1-31-2022**	1.9711	1.1599
5	**2-1-2022**	**4-30-2022**	1.8169	1.0954
6	**5-1-2022**	**7-31-2022**	1.8716	1.1257
7	**8-1-2022**	**10-31-2022**	1.8749	1.1291
8	**11-1-2022**	**1-31-2023**	1.8245	1.1016
9	**2-1-2023**	**4-30-2023**	1.6540	0.9985
10	**5-1-2023**	**7-31-2023**	0.3339	0.2214
		Highest	1.9711	1.1599

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	26.4449	0.4554	32.2961	0.0549		4.2639	4.2639		4.2639	4.2639	405.3564	117.5836	522.9400	0.3820	0.0308	541.6535
Energy	0.0130	0.1116	0.0521	7.1000e-004		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	563.9223	563.9223	0.0538	0.0130	569.1365
Mobile	2.3245	16.6686	24.5127	0.1147	8.5771	0.0755	8.6526	2.3090	0.0705	2.3796	0.0000	10,608.6722	10,608.6722	0.4420	0.0000	10,619.7218
Waste						0.0000	0.0000		0.0000	0.0000	53.8088	0.0000	53.8088	3.1800	0.0000	133.3091
Water						0.0000	0.0000		0.0000	0.0000	8.6718	23.1528	31.8246	0.8934	0.0216	60.5951
Total	**28.7823**	**17.2355**	**56.8608**	**0.1703**	**8.5771**	**4.3484**	**12.9255**	**2.3090**	**4.3434**	**6.6525**	**467.8370**	**11,313.3309**	**11,781.1679**	**4.9512**	**0.0653**	**11,924.4160**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7967	0.0226	1.9670	1.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	3.2168	3.2168	3.1100e-003	0.0000	3.2946
Energy	0.0130	0.1116	0.0521	7.1000e-004		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	215.5168	215.5168	0.0127	4.4800e-003	217.1701
Mobile	2.3245	16.6686	24.5127	0.1147	8.5771	0.0755	8.6526	2.3090	0.0705	2.3796	0.0000	10,608.6722	10,608.6722	0.4420	0.0000	10,619.7218
Waste						0.0000	0.0000		0.0000	0.0000	53.8088	0.0000	53.8088	3.1800	0.0000	133.3091
Water						0.0000	0.0000		0.0000	0.0000	6.9374	19.4476	26.3850	0.7148	0.0173	49.4109
Total	**4.1341**	**16.8028**	**26.5318**	**0.1155**	**8.5771**	**0.0953**	**8.6724**	**2.3090**	**0.0904**	**2.3994**	**60.7462**	**10,846.8534**	**10,907.5997**	**4.3527**	**0.0218**	**11,022.9065**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**85.64**	**2.51**	**53.34**	**32.18**	**0.00**	**97.81**	**32.90**	**0.00**	**97.92**	**63.93**	**87.02**	**4.12**	**7.41**	**12.09**	**66.66**	**7.56**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	5/1/2021	7	90	
2	Site Preparation	Site Preparation	5/2/2021	6/2/2021	7	32	
3	Grading	Grading	6/3/2021	9/3/2021	7	93	
4	Paving	Paving	9/4/2021	9/13/2021	7	10	
5	Building Construction	Building Construction	9/14/2021	5/14/2023	7	608	
6	Architectural Coating	Architectural Coating	9/28/2021	5/28/2023	7	608	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 1.3

Residential Indoor: 534,600; Residential Outdoor: 178,200; Non-Residential Indoor: 205,200; Non-Residential Outdoor: 68,400; Striped Parking Area: 19,980 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	412.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	562.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	374.00	105.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0523	0.0000	0.0523	7.9100e-003	0.0000	7.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	1.4148	0.9704	1.7500e-003		0.0698	0.0698		0.0649	0.0649	0.0000	153.0035	153.0035	0.0431	0.0000	154.0801
Total	**0.1424**	**1.4148**	**0.9704**	**1.7500e-003**	**0.0523**	**0.0698**	**0.1221**	**7.9100e-003**	**0.0649**	**0.0728**	**0.0000**	**153.0035**	**153.0035**	**0.0431**	**0.0000**	**154.0801**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5400e-003	0.0512	8.5900e-003	1.7000e-004	3.5000e-003	1.7000e-004	3.6700e-003	9.6000e-004	1.7000e-004	1.1300e-003	0.0000	15.8333	15.8333	6.4000e-004	0.0000	15.8492
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1900e-003	1.4200e-003	0.0148	5.0000e-005	4.9700e-003	3.0000e-005	5.0000e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.3703	4.3703	1.0000e-004	0.0000	4.3729
Total	**3.7300e-003**	**0.0526**	**0.0234**	**2.2000e-004**	**8.4700e-003**	**2.0000e-004**	**8.6700e-003**	**2.2800e-003**	**2.0000e-004**	**2.4800e-003**	**0.0000**	**20.2036**	**20.2036**	**7.4000e-004**	**0.0000**	**20.2221**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0523	0.0000	0.0523	7.9100e-003	0.0000	7.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0208	0.0902	1.0476	1.7500e-003		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003	0.0000	153.0034	153.0034	0.0431	0.0000	154.0800
Total	**0.0208**	**0.0902**	**1.0476**	**1.7500e-003**	**0.0523**	**2.7700e-003**	**0.0550**	**7.9100e-003**	**2.7700e-003**	**0.0107**	**0.0000**	**153.0034**	**153.0034**	**0.0431**	**0.0000**	**154.0800**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5400e-003	0.0512	8.5900e-003	1.7000e-004	3.5000e-003	1.7000e-004	3.6700e-003	9.6000e-004	1.7000e-004	1.1300e-003	0.0000	15.8333	15.8333	6.4000e-004	0.0000	15.8492
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1900e-003	1.4200e-003	0.0148	5.0000e-005	4.9700e-003	3.0000e-005	5.0000e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.3703	4.3703	1.0000e-004	0.0000	4.3729
Total	**3.7300e-003**	**0.0526**	**0.0234**	**2.2000e-004**	**8.4700e-003**	**2.0000e-004**	**8.6700e-003**	**2.2800e-003**	**2.0000e-004**	**2.4800e-003**	**0.0000**	**20.2036**	**20.2036**	**7.4000e-004**	**0.0000**	**20.2221**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2898	0.0000	0.2898	0.1590	0.0000	0.1590	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.6480	0.3385	6.1000e-004		0.0327	0.0327		0.0301	0.0301	0.0000	53.4972	53.4972	0.0173	0.0000	53.9297
Total	**0.0622**	**0.6480**	**0.3385**	**6.1000e-004**	**0.2898**	**0.0327**	**0.3225**	**0.1590**	**0.0301**	**0.1891**	**0.0000**	**53.4972**	**53.4972**	**0.0173**	**0.0000**	**53.9297**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-003	0.0466	7.8200e-003	1.5000e-004	3.1800e-003	1.6000e-004	3.3400e-003	8.7000e-004	1.5000e-004	1.0300e-003	0.0000	14.4114	14.4114	5.8000e-004	0.0000	14.4259
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.1000e-004	6.3300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.8647	1.8647	4.0000e-005	0.0000	1.8658
Total	**2.3300e-003**	**0.0472**	**0.0142**	**1.7000e-004**	**5.3000e-003**	**1.7000e-004**	**5.4700e-003**	**1.4300e-003**	**1.6000e-004**	**1.6100e-003**	**0.0000**	**16.2761**	**16.2761**	**6.2000e-004**	**0.0000**	**16.2916**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2898	0.0000	0.2898	0.1590	0.0000	0.1590	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4500e-003	0.0323	0.3339	6.1000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	53.4971	53.4971	0.0173	0.0000	53.9296
Total	**7.4500e-003**	**0.0323**	**0.3339**	**6.1000e-004**	**0.2898**	**9.9000e-004**	**0.2908**	**0.1590**	**9.9000e-004**	**0.1600**	**0.0000**	**53.4971**	**53.4971**	**0.0173**	**0.0000**	**53.9296**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-003	0.0466	7.8200e-003	1.5000e-004	3.1800e-003	1.6000e-004	3.3400e-003	8.7000e-004	1.5000e-004	1.0300e-003	0.0000	14.4114	14.4114	5.8000e-004	0.0000	14.4259
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.1000e-004	6.3300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.8647	1.8647	4.0000e-005	0.0000	1.8658
Total	**2.3300e-003**	**0.0472**	**0.0142**	**1.7000e-004**	**5.3000e-003**	**1.7000e-004**	**5.4700e-003**	**1.4300e-003**	**1.6000e-004**	**1.6100e-003**	**0.0000**	**16.2761**	**16.2761**	**6.2000e-004**	**0.0000**	**16.2916**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2854	0.0000	0.2854	0.1546	0.0000	0.1546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1065	1.1503	0.7374	1.3800e-003		0.0539	0.0539		0.0496	0.0496	0.0000	121.1497	121.1497	0.0392	0.0000	122.1293
Total	**0.1065**	**1.1503**	**0.7374**	**1.3800e-003**	**0.2854**	**0.0539**	**0.3393**	**0.1546**	**0.0496**	**0.2042**	**0.0000**	**121.1497**	**121.1497**	**0.0392**	**0.0000**	**122.1293**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-003	0.0698	0.0117	2.3000e-004	4.7700e-003	2.4000e-004	5.0000e-003	1.3100e-003	2.3000e-004	1.5400e-003	0.0000	21.5979	21.5979	8.7000e-004	0.0000	21.6196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.4700e-003	0.0153	5.0000e-005	5.1300e-003	4.0000e-005	5.1700e-003	1.3600e-003	3.0000e-005	1.4000e-003	0.0000	4.5160	4.5160	1.1000e-004	0.0000	4.5186
Total	**4.3600e-003**	**0.0713**	**0.0271**	**2.8000e-004**	**9.9000e-003**	**2.8000e-004**	**0.0102**	**2.6700e-003**	**2.6000e-004**	**2.9400e-003**	**0.0000**	**26.1139**	**26.1139**	**9.8000e-004**	**0.0000**	**26.1382**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2854	0.0000	0.2854	0.1546	0.0000	0.1546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.0732	0.8255	1.3800e-003		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	121.1496	121.1496	0.0392	0.0000	122.1291
Total	**0.0169**	**0.0732**	**0.8255**	**1.3800e-003**	**0.2854**	**2.2500e-003**	**0.2876**	**0.1546**	**2.2500e-003**	**0.1568**	**0.0000**	**121.1496**	**121.1496**	**0.0392**	**0.0000**	**122.1291**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-003	0.0698	0.0117	2.3000e-004	4.7700e-003	2.4000e-004	5.0000e-003	1.3100e-003	2.3000e-004	1.5400e-003	0.0000	21.5979	21.5979	8.7000e-004	0.0000	21.6196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.4700e-003	0.0153	5.0000e-005	5.1300e-003	4.0000e-005	5.1700e-003	1.3600e-003	3.0000e-005	1.4000e-003	0.0000	4.5160	4.5160	1.1000e-004	0.0000	4.5186
Total	**4.3600e-003**	**0.0713**	**0.0271**	**2.8000e-004**	**9.9000e-003**	**2.8000e-004**	**0.0102**	**2.6700e-003**	**2.6000e-004**	**2.9400e-003**	**0.0000**	**26.1139**	**26.1139**	**9.8000e-004**	**0.0000**	**26.1382**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4700e-003	0.0542	0.0613	9.0000e-005		2.8900e-003	2.8900e-003		2.6700e-003	2.6700e-003	0.0000	8.1853	8.1853	2.5700e-003	0.0000	8.2496
Paving	1.7000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.1700e-003**	**0.0542**	**0.0613**	**9.0000e-005**		**2.8900e-003**	**2.8900e-003**		**2.6700e-003**	**2.6700e-003**	**0.0000**	**8.1853**	**8.1853**	**2.5700e-003**	**0.0000**	**8.2496**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.2000e-003	1.0000e-005	7.4000e-004	1.0000e-005	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6475	0.6475	2.0000e-005	0.0000	0.6478
Total	**3.2000e-004**	**2.1000e-004**	**2.2000e-003**	**1.0000e-005**	**7.4000e-004**	**1.0000e-005**	**7.4000e-004**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**0.6475**	**0.6475**	**2.0000e-005**	**0.0000**	**0.6478**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.1000e-003	4.7500e-003	0.0677	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.1853	8.1853	2.5700e-003	0.0000	8.2496
Paving	1.7000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8000e-003**	**4.7500e-003**	**0.0677**	**9.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**8.1853**	**8.1853**	**2.5700e-003**	**0.0000**	**8.2496**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.2000e-003	1.0000e-005	7.4000e-004	1.0000e-005	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6475	0.6475	2.0000e-005	0.0000	0.6478
Total	**3.2000e-004**	**2.1000e-004**	**2.2000e-003**	**1.0000e-005**	**7.4000e-004**	**1.0000e-005**	**7.4000e-004**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**0.6475**	**0.6475**	**2.0000e-005**	**0.0000**	**0.6478**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1036	0.9501	0.9034	1.4700e-003		0.0522	0.0522		0.0491	0.0491	0.0000	126.2423	126.2423	0.0305	0.0000	127.0037
Total	**0.1036**	**0.9501**	**0.9034**	**1.4700e-003**		**0.0522**	**0.0522**		**0.0491**	**0.0491**	**0.0000**	**126.2423**	**126.2423**	**0.0305**	**0.0000**	**127.0037**

3.6 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0170	0.6026	0.1126	1.5900e-003	0.0362	1.4100e-003	0.0376	0.0105	1.3500e-003	0.0118	0.0000	150.6085	150.6085	8.9100e-003	0.0000	150.8312
Worker	0.0661	0.0430	0.4481	1.4600e-003	0.1500	1.0300e-003	0.1510	0.0399	9.5000e-004	0.0408	0.0000	131.9704	131.9704	3.1000e-003	0.0000	132.0478
Total	**0.0831**	**0.6456**	**0.5607**	**3.0500e-003**	**0.1861**	**2.4400e-003**	**0.1886**	**0.0503**	**2.3000e-003**	**0.0526**	**0.0000**	**282.5789**	**282.5789**	**0.0120**	**0.0000**	**282.8790**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0179	0.1218	0.9516	1.4700e-003		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003	0.0000	126.2422	126.2422	0.0305	0.0000	127.0036
Total	**0.0179**	**0.1218**	**0.9516**	**1.4700e-003**		**2.2200e-003**	**2.2200e-003**		**2.2200e-003**	**2.2200e-003**	**0.0000**	**126.2422**	**126.2422**	**0.0305**	**0.0000**	**127.0036**

3.6 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0170	0.6026	0.1126	1.5900e-003	0.0362	1.4100e-003	0.0376	0.0105	1.3500e-003	0.0118	0.0000	150.6085	150.6085	8.9100e-003	0.0000	150.8312
Worker	0.0661	0.0430	0.4481	1.4600e-003	0.1500	1.0300e-003	0.1510	0.0399	9.5000e-004	0.0408	0.0000	131.9704	131.9704	3.1000e-003	0.0000	132.0478
Total	**0.0831**	**0.6456**	**0.5607**	**3.0500e-003**	**0.1861**	**2.4400e-003**	**0.1886**	**0.0503**	**2.3000e-003**	**0.0526**	**0.0000**	**282.5789**	**282.5789**	**0.0120**	**0.0000**	**282.8790**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3114	2.8499	2.9863	4.9200e-003		0.1477	0.1477		0.1389	0.1389	0.0000	422.8986	422.8986	0.1013	0.0000	425.4314
Total	**0.3114**	**2.8499**	**2.9863**	**4.9200e-003**		**0.1477**	**0.1477**		**0.1389**	**0.1389**	**0.0000**	**422.8986**	**422.8986**	**0.1013**	**0.0000**	**425.4314**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0528	1.9165	0.3468	5.2600e-003	0.1211	4.0500e-003	0.1251	0.0350	3.8700e-003	0.0389	0.0000	499.5348	499.5348	0.0282	0.0000	500.2404
Worker	0.2067	0.1292	1.3772	4.7100e-003	0.5022	3.3600e-003	0.5056	0.1336	3.0900e-003	0.1367	0.0000	425.7755	425.7755	9.3100e-003	0.0000	426.0082
Total	**0.2595**	**2.0457**	**1.7240**	**9.9700e-003**	**0.6233**	**7.4100e-003**	**0.6307**	**0.1685**	**6.9600e-003**	**0.1755**	**0.0000**	**925.3104**	**925.3104**	**0.0375**	**0.0000**	**926.2486**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0598	0.4078	3.1865	4.9200e-003		7.4400e-003	7.4400e-003		7.4400e-003	7.4400e-003	0.0000	422.8981	422.8981	0.1013	0.0000	425.4309
Total	**0.0598**	**0.4078**	**3.1865**	**4.9200e-003**		**7.4400e-003**	**7.4400e-003**		**7.4400e-003**	**7.4400e-003**	**0.0000**	**422.8981**	**422.8981**	**0.1013**	**0.0000**	**425.4309**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0528	1.9165	0.3468	5.2600e-003	0.1211	4.0500e-003	0.1251	0.0350	3.8700e-003	0.0389	0.0000	499.5348	499.5348	0.0282	0.0000	500.2404
Worker	0.2067	0.1292	1.3772	4.7100e-003	0.5022	3.3600e-003	0.5056	0.1336	3.0900e-003	0.1367	0.0000	425.7755	425.7755	9.3100e-003	0.0000	426.0082
Total	**0.2595**	**2.0457**	**1.7240**	**9.9700e-003**	**0.6233**	**7.4100e-003**	**0.6307**	**0.1685**	**6.9600e-003**	**0.1755**	**0.0000**	**925.3104**	**925.3104**	**0.0375**	**0.0000**	**926.2486**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1054	0.9638	1.0884	1.8100e-003		0.0469	0.0469		0.0441	0.0441	0.0000	155.3092	155.3092	0.0370	0.0000	156.2328
Total	**0.1054**	**0.9638**	**1.0884**	**1.8100e-003**		**0.0469**	**0.0469**		**0.0441**	**0.0441**	**0.0000**	**155.3092**	**155.3092**	**0.0370**	**0.0000**	**156.2328**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.5742	0.1066	1.8900e-003	0.0444	5.4000e-004	0.0450	0.0128	5.2000e-004	0.0134	0.0000	179.6129	179.6129	7.1200e-003	0.0000	179.7908
Worker	0.0710	0.0427	0.4640	1.6600e-003	0.1844	1.2000e-003	0.1856	0.0490	1.1100e-003	0.0501	0.0000	150.3461	150.3461	3.0600e-003	0.0000	150.4227
Total	**0.0851**	**0.6168**	**0.5705**	**3.5500e-003**	**0.2288**	**1.7400e-003**	**0.2306**	**0.0619**	**1.6300e-003**	**0.0635**	**0.0000**	**329.9590**	**329.9590**	**0.0102**	**0.0000**	**330.2135**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0220	0.1497	1.1698	1.8100e-003		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	155.3090	155.3090	0.0370	0.0000	156.2326
Total	**0.0220**	**0.1497**	**1.1698**	**1.8100e-003**		**2.7300e-003**	**2.7300e-003**		**2.7300e-003**	**2.7300e-003**	**0.0000**	**155.3090**	**155.3090**	**0.0370**	**0.0000**	**156.2326**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.5742	0.1066	1.8900e-003	0.0444	5.4000e-004	0.0450	0.0128	5.2000e-004	0.0134	0.0000	179.6129	179.6129	7.1200e-003	0.0000	179.7908
Worker	0.0710	0.0427	0.4640	1.6600e-003	0.1844	1.2000e-003	0.1856	0.0490	1.1100e-003	0.0501	0.0000	150.3461	150.3461	3.0600e-003	0.0000	150.4227
Total	**0.0851**	**0.6168**	**0.5705**	**3.5500e-003**	**0.2288**	**1.7400e-003**	**0.2306**	**0.0619**	**1.6300e-003**	**0.0635**	**0.0000**	**329.9590**	**329.9590**	**0.0102**	**0.0000**	**330.2135**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0725	0.0863	1.4000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	12.1280	12.1280	8.3000e-004	0.0000	12.1488
Total	**0.4280**	**0.0725**	**0.0863**	**1.4000e-004**		**4.4700e-003**	**4.4700e-003**		**4.4700e-003**	**4.4700e-003**	**0.0000**	**12.1280**	**12.1280**	**8.3000e-004**	**0.0000**	**12.1488**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0116	7.5100e-003	0.0783	2.6000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.7000e-004	7.1400e-003	0.0000	23.0655	23.0655	5.4000e-004	0.0000	23.0791
Total	**0.0116**	**7.5100e-003**	**0.0783**	**2.6000e-004**	**0.0262**	**1.8000e-004**	**0.0264**	**6.9700e-003**	**1.7000e-004**	**7.1400e-003**	**0.0000**	**23.0655**	**23.0655**	**5.4000e-004**	**0.0000**	**23.0791**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4100e-003	6.1200e-003	0.0870	1.4000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	12.1279	12.1279	8.3000e-004	0.0000	12.1488
Total	**0.4190**	**6.1200e-003**	**0.0870**	**1.4000e-004**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**12.1279**	**12.1279**	**8.3000e-004**	**0.0000**	**12.1488**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0116	7.5100e-003	0.0783	2.6000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.7000e-004	7.1400e-003	0.0000	23.0655	23.0655	5.4000e-004	0.0000	23.0791
Total	**0.0116**	**7.5100e-003**	**0.0783**	**2.6000e-004**	**0.0262**	**1.8000e-004**	**0.0264**	**6.9700e-003**	**1.7000e-004**	**7.1400e-003**	**0.0000**	**23.0655**	**23.0655**	**5.4000e-004**	**0.0000**	**23.0791**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6044					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0373	0.2571	0.3310	5.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	46.5969	46.5969	3.0300e-003	0.0000	46.6727
Total	**1.6417**	**0.2571**	**0.3310**	**5.4000e-004**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**46.5969**	**46.5969**	**3.0300e-003**	**0.0000**	**46.6727**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0259	0.2762	9.4000e-004	0.1007	6.7000e-004	0.1014	0.0268	6.2000e-004	0.0274	0.0000	85.3828	85.3828	1.8700e-003	0.0000	85.4295
Total	**0.0415**	**0.0259**	**0.2762**	**9.4000e-004**	**0.1007**	**6.7000e-004**	**0.1014**	**0.0268**	**6.2000e-004**	**0.0274**	**0.0000**	**85.3828**	**85.3828**	**1.8700e-003**	**0.0000**	**85.4295**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6044					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4200e-003	0.0235	0.3344	5.4000e-004		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	46.5968	46.5968	3.0300e-003	0.0000	46.6727
Total	**1.6098**	**0.0235**	**0.3344**	**5.4000e-004**		**7.2000e-004**	**7.2000e-004**		**7.2000e-004**	**7.2000e-004**	**0.0000**	**46.5968**	**46.5968**	**3.0300e-003**	**0.0000**	**46.6727**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0259	0.2762	9.4000e-004	0.1007	6.7000e-004	0.1014	0.0268	6.2000e-004	0.0274	0.0000	85.3828	85.3828	1.8700e-003	0.0000	85.4295
Total	**0.0415**	**0.0259**	**0.2762**	**9.4000e-004**	**0.1007**	**6.7000e-004**	**0.1014**	**0.0268**	**6.2000e-004**	**0.0274**	**0.0000**	**85.3828**	**85.3828**	**1.8700e-003**	**0.0000**	**85.4295**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6505					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0142	0.0964	0.1340	2.2000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003	0.0000	18.8941	18.8941	1.1300e-003	0.0000	18.9223
Total	**0.6647**	**0.0964**	**0.1340**	**2.2000e-004**		**5.2400e-003**	**5.2400e-003**		**5.2400e-003**	**5.2400e-003**	**0.0000**	**18.8941**	**18.8941**	**1.1300e-003**	**0.0000**	**18.9223**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0157	9.4500e-003	0.1028	3.7000e-004	0.0408	2.7000e-004	0.0411	0.0109	2.5000e-004	0.0111	0.0000	33.2996	33.2996	6.8000e-004	0.0000	33.3166
Total	**0.0157**	**9.4500e-003**	**0.1028**	**3.7000e-004**	**0.0408**	**2.7000e-004**	**0.0411**	**0.0109**	**2.5000e-004**	**0.0111**	**0.0000**	**33.2996**	**33.2996**	**6.8000e-004**	**0.0000**	**33.3166**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6505					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2000e-003	9.5300e-003	0.1356	2.2000e-004		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	18.8941	18.8941	1.1300e-003	0.0000	18.9223
Total	**0.6527**	**9.5300e-003**	**0.1356**	**2.2000e-004**		**2.9000e-004**	**2.9000e-004**		**2.9000e-004**	**2.9000e-004**	**0.0000**	**18.8941**	**18.8941**	**1.1300e-003**	**0.0000**	**18.9223**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0157	9.4500e-003	0.1028	3.7000e-004	0.0408	2.7000e-004	0.0411	0.0109	2.5000e-004	0.0111	0.0000	33.2996	33.2996	6.8000e-004	0.0000	33.3166
Total	**0.0157**	**9.4500e-003**	**0.1028**	**3.7000e-004**	**0.0408**	**2.7000e-004**	**0.0411**	**0.0109**	**2.5000e-004**	**0.0111**	**0.0000**	**33.2996**	**33.2996**	**6.8000e-004**	**0.0000**	**33.3166**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3245	16.6686	24.5127	0.1147	8.5771	0.0755	8.6526	2.3090	0.0705	2.3796	0.0000	10,608.6722	10,608.6722	0.4420	0.0000	10,619.7218
Unmitigated	2.3245	16.6686	24.5127	0.1147	8.5771	0.0755	8.6526	2.3090	0.0705	2.3796	0.0000	10,608.6722	10,608.6722	0.4420	0.0000	10,619.7218

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,573.44	1,573.44	1573.44	6,416,767	6,416,767
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,557.37	5,557.37	5557.37	12,251,098	12,251,098
Regional Shopping Center	1,838.04	1,838.04	1838.04	4,051,920	4,051,920
Total	8,968.85	8,968.85	8,968.85	22,719,785	22,719,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	15.54	7.78	10.88	46.00	13.00	41.00	86	11	3
Enclosed Parking with Elevator	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Parking Lot	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Enclosed Parking with Elevator	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Parking Lot	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	87.1014	87.1014	0.0103	2.1300e-003	87.9916
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	435.5069	435.5069	0.0514	0.0106	439.9580
NaturalGas Mitigated	0.0130	0.1116	0.0521	7.1000e-004		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	128.4154	128.4154	2.4600e-003	2.3500e-003	129.1785
NaturalGas Unmitigated	0.0130	0.1116	0.0521	7.1000e-004		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	128.4154	128.4154	2.4600e-003	2.3500e-003	129.1785

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.17946e+006	0.0118	0.1004	0.0427	6.4000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.3044	116.3044	2.2300e-003	2.1300e-003	116.9955
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	170545	9.2000e-004	8.3600e-003	7.0200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1009	9.1009	1.7000e-004	1.7000e-004	9.1550
Regional Shopping Center	56406	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0100	3.0100	6.0000e-005	6.0000e-005	3.0279
Total		**0.0130**	**0.1116**	**0.0521**	**7.1000e-004**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**128.4154**	**128.4154**	**2.4600e-003**	**2.3600e-003**	**129.1785**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.17946e+006	0.0118	0.1004	0.0427	6.4000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.3044	116.3044	2.2300e-003	2.1300e-003	116.9955
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	170545	9.2000e-004	8.3600e-003	7.0200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1009	9.1009	1.7000e-004	1.7000e-004	9.1550
Regional Shopping Center	56406	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0100	3.0100	6.0000e-005	6.0000e-005	3.0279
Total		**0.0130**	**0.1116**	**0.0521**	**7.1000e-004**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**128.4154**	**128.4154**	**2.4600e-003**	**2.3600e-003**	**129.1785**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.08373e+006	120.8681	0.0143	2.9500e-003	122.1034
Enclosed Parking with Elevator	1.44156e+006	160.7762	0.0190	3.9200e-003	162.4194
Parking Lot	30450	3.3961	4.0000e-004	8.0000e-005	3.4308
Regional Shopping Center	1.01381e+006	113.0699	0.0133	2.7600e-003	114.2255
Regional Shopping Center	335308	37.3967	4.4100e-003	9.1000e-004	37.7789
Total		**435.5069**	**0.0514**	**0.0106**	**439.9580**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	216747	24.1736	2.8500e-003	5.9000e-004	24.4207
Enclosed Parking with Elevator	288312	32.1552	3.7900e-003	7.8000e-004	32.4839
Parking Lot	6090	0.6792	8.0000e-005	2.0000e-005	0.6862
Regional Shopping Center	202763	22.6140	2.6700e-003	5.5000e-004	22.8451
Regional Shopping Center	67061.6	7.4793	8.8000e-004	1.8000e-004	7.5558
Total		**87.1014**	**0.0103**	**2.1200e-003**	**87.9916**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7967	0.0226	1.9670	1.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	3.2168	3.2168	3.1100e-003	0.0000	3.2946
Unmitigated	26.4449	0.4554	32.2961	0.0549		4.2639	4.2639		4.2639	4.2639	405.3564	117.5836	522.9400	0.3820	0.0308	541.6535

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5869					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	24.5312	0.4327	30.3290	0.0548		4.2530	4.2530		4.2530	4.2530	405.3564	114.3668	519.7232	0.3788	0.0308	538.3589
Landscaping	0.0596	0.0226	1.9670	1.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	3.2168	3.2168	3.1100e-003	0.0000	3.2946
Total	**26.4449**	**0.4553**	**32.2961**	**0.0549**		**4.2639**	**4.2639**		**4.2639**	**4.2639**	**405.3564**	**117.5836**	**522.9400**	**0.3820**	**0.0308**	**541.6535**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4698					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0596	0.0226	1.9670	1.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	3.2168	3.2168	3.1100e-003	0.0000	3.2946
Total	**1.7967**	**0.0226**	**1.9670**	**1.0000e-004**		**0.0109**	**0.0109**		**0.0109**	**0.0109**	**0.0000**	**3.2168**	**3.2168**	**3.1100e-003**	**0.0000**	**3.2946**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.3850	0.7148	0.0173	49.4109
Unmitigated	31.8246	0.8934	0.0216	60.5951

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.2007 / 10.8439	20.0703	0.5622	0.0136	38.1755
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	10.1331 / 6.21062	11.7543	0.3312	8.0000e-003	22.4196
Total		**31.8246**	**0.8934**	**0.0216**	**60.5951**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	13.7605 / 10.1824	16.6446	0.4498	0.0109	31.1348
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	8.1065 / 5.83177	9.7404	0.2650	6.4100e-003	18.2761
Total		**26.3850**	**0.7148**	**0.0173**	**49.4109**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	53.8088	3.1800	0.0000	133.3091
Unmitigated	53.8088	3.1800	0.0000	133.3091

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	121.44	24.6512	1.4569	0.0000	61.0724
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	143.64	29.1576	1.7232	0.0000	72.2368
Total		**53.8088**	**3.1800**	**0.0000**	**133.3091**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	121.44	24.6512	1.4569	0.0000	61.0724
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	143.64	29.1576	1.7232	0.0000	72.2368
Total		**53.8088**	**3.1800**	**0.0000**	**133.3091**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Commons Project (Mitigated)

Yolo/Solano AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	548.00	Space	0.00	246,000.00	0
Parking Lot	145.00	Space	1.30	87,000.00	0
Apartments Mid Rise	264.00	Dwelling Unit	2.30	264,000.00	894
Regional Shopping Center	102.80	1000sqft	0.00	102,800.00	0
Regional Shopping Center	34.00	1000sqft	0.78	34,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E RPS

Land Use - applicant provided

Construction Phase - applicant provided

Off-road Equipment -

Trips and VMT -

On-road Fugitive Dust - YSAQMD Standard

Demolition -

Grading - applicant provided

Vehicle Trips - adjusted per traffic report

Road Dust - Per Chiles Road

Woodstoves - per applicant

Energy Use - Updated per 2019 CBSC

Construction Off-road Equipment Mitigation - Engine Tier Mitigation

Mobile Land Use Mitigation -

Area Mitigation - per YSAQMD rules and regulations

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	5.00	32.00
tblConstructionPhase	NumDays	8.00	93.00
tblConstructionPhase	NumDays	18.00	10.00

tblConstructionPhase	NumDays	230.00	608.00
tblConstructionPhase	NumDays	18.00	608.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24E	332.81	309.51
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	5,484.45	5,100.54
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	46.50	8.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	219,200.00	246,000.00
tblLandUse	LandUseSquareFeet	58,000.00	87,000.00
tblLandUse	LotAcreage	4.93	0.00
tblLandUse	LotAcreage	6.95	2.30
tblLandUse	LotAcreage	2.36	0.00
tblLandUse	Population	755.00	894.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripNumber	563.00	562.00
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	HO_TL	7.00	10.88
tblVehicleTrips	HS_TL	5.00	7.78

tblVehicleTrips	HW_TL	10.00	15.54
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	49.97	54.06
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	25.24	54.06
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	42.70	54.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	12.8677	43.3622	31.6355	0.0947	18.4539	2.0551	20.5090	10.0301	1.8910	11.9211	0.0000	9,442.3737	9,442.3737	1.2333	0.0000	9,464.5984
2022	12.5247	28.1617	30.3598	0.0931	4.0971	0.9344	5.0316	1.1022	0.8839	1.9861	0.0000	9,285.5873	9,285.5873	0.8662	0.0000	9,307.2412
2023	12.1999	24.8613	29.1335	0.0912	4.0971	0.8001	4.8972	1.1022	0.7567	1.8589	0.0000	9,093.7492	9,093.7492	0.8024	0.0000	9,113.8087
Maximum	**12.8677**	**43.3622**	**31.6355**	**0.0947**	**18.4539**	**2.0551**	**20.5090**	**10.0301**	**1.8910**	**11.9211**	**0.0000**	**9,442.3737**	**9,442.3737**	**1.2333**	**0.0000**	**9,464.5984**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.1054	14.1239	32.5355	0.0947	18.4539	0.0928	18.5266	10.0301	0.0899	10.1023	0.0000	9,442.3737	9,442.3737	1.2333	0.0000	9,464.5984
2022	10.9715	13.5011	31.4755	0.0931	4.0971	0.0885	4.1856	1.1022	0.0858	1.1880	0.0000	9,285.5873	9,285.5873	0.8662	0.0000	9,307.2412
2023	10.7931	11.5369	30.3710	0.0912	4.0971	0.0743	4.1714	1.1022	0.0723	1.1745	0.0000	9,093.7492	9,093.7492	0.8024	0.0000	9,113.8087
Maximum	**11.1054**	**14.1239**	**32.5355**	**0.0947**	**18.4539**	**0.0928**	**18.5266**	**10.0301**	**0.0899**	**10.1023**	**0.0000**	**9,442.3737**	**9,442.3737**	**1.2333**	**0.0000**	**9,464.5984**

University Commons Project (Mitigated) - Yolo/Solano AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**12.56**	**59.37**	**-3.57**	**0.00**	**0.00**	**93.26**	**11.68**	**0.00**	**92.98**	**20.94**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	609.1436	10.8053	761.5883	1.3374		103.8537	103.8537		103.8537	103.8537	10,898.2672	3,114.2229	14,012.4901	10.2234	0.8269	14,514.4761
Energy	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
Mobile	15.4760	89.5703	146.3400	0.6696	48.6812	0.4142	49.0954	13.0686	0.3870	13.4556		68,219.2864	68,219.2864	2.6717		68,286.0786
Total	**624.6906**	**100.9868**	**908.2137**	**2.0108**	**48.6812**	**104.3170**	**152.9982**	**13.0686**	**104.2898**	**117.3584**	**10,898.2672**	**72,109.1462**	**83,007.4134**	**12.9099**	**0.8411**	**83,580.8007**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.1806	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210	0.0000	39.3994	39.3994	0.0381	0.0000	40.3520
Energy	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
Mobile	15.4760	89.5703	146.3400	0.6696	48.6812	0.4142	49.0954	13.0686	0.3870	13.4556		68,219.2864	68,219.2864	2.6717		68,286.0786
Total	**25.7277**	**90.4331**	**168.4811**	**0.6746**	**48.6812**	**0.5843**	**49.2655**	**13.0686**	**0.5571**	**13.6257**	**0.0000**	**69,034.3227**	**69,034.3227**	**2.7247**	**0.0142**	**69,106.6766**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**95.88**	**10.45**	**81.45**	**66.45**	**0.00**	**99.44**	**67.80**	**0.00**	**99.47**	**88.39**	**100.00**	**4.26**	**16.83**	**78.89**	**98.31**	**17.32**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	5/1/2021	7	90	
2	Site Preparation	Site Preparation	5/2/2021	6/2/2021	7	32	
3	Grading	Grading	6/3/2021	9/3/2021	7	93	
4	Paving	Paving	9/4/2021	9/13/2021	7	10	
5	Building Construction	Building Construction	9/14/2021	5/14/2023	7	608	
6	Architectural Coating	Architectural Coating	9/28/2021	5/28/2023	7	608	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 1.3

Residential Indoor: 534,600; Residential Outdoor: 178,200; Non-Residential Indoor: 205,200; Non-Residential Outdoor: 68,400; Striped Parking Area: 19,980 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	412.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	562.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	374.00	105.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1614	0.0000	1.1614	0.1759	0.0000	0.1759			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.1614**	**1.5513**	**2.7127**	**0.1759**	**1.4411**	**1.6170**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0337	1.1059	0.1813	3.7400e-003	0.0800	3.7900e-003	0.0838	0.0219	3.6300e-003	0.0255		391.5275	391.5275	0.0148		391.8979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0284	0.3791	1.1800e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		117.5239	117.5239	2.7800e-003		117.5933
Total	**0.0889**	**1.1343**	**0.5603**	**4.9200e-003**	**0.1941**	**4.5500e-003**	**0.1986**	**0.0522**	**4.3300e-003**	**0.0565**		**509.0514**	**509.0514**	**0.0176**		**509.4912**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1614	0.0000	1.1614	0.1759	0.0000	0.1759			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**1.1614**	**0.0616**	**1.2230**	**0.1759**	**0.0616**	**0.2375**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0337	1.1059	0.1813	3.7400e-003	0.0800	3.7900e-003	0.0838	0.0219	3.6300e-003	0.0255		391.5275	391.5275	0.0148		391.8979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0284	0.3791	1.1800e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		117.5239	117.5239	2.7800e-003		117.5933
Total	**0.0889**	**1.1343**	**0.5603**	**4.9200e-003**	**0.1941**	**4.5500e-003**	**0.1986**	**0.0522**	**4.3300e-003**	**0.0565**		**509.0514**	**509.0514**	**0.0176**		**509.4912**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1122	0.0000	18.1122	9.9376	0.0000	9.9376			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.1122**	**2.0445**	**20.1567**	**9.9376**	**1.8809**	**11.8185**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0862	2.8311	0.4641	9.5600e-003	0.2047	9.7100e-003	0.2144	0.0561	9.2900e-003	0.0654		1,002.2794	1,002.2794	0.0379		1,003.2277
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0662	0.0340	0.4549	1.4100e-003	0.1369	9.1000e-004	0.1378	0.0363	8.4000e-004	0.0372		141.0287	141.0287	3.3300e-003		141.1120
Total	**0.1524**	**2.8651**	**0.9189**	**0.0110**	**0.3417**	**0.0106**	**0.3523**	**0.0924**	**0.0101**	**0.1026**		**1,143.3081**	**1,143.3081**	**0.0413**		**1,144.3397**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1122	0.0000	18.1122	9.9376	0.0000	9.9376			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**18.1122**	**0.0621**	**18.1743**	**9.9376**	**0.0621**	**9.9997**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0862	2.8311	0.4641	9.5600e-003	0.2047	9.7100e-003	0.2144	0.0561	9.2900e-003	0.0654		1,002.2794	1,002.2794	0.0379		1,003.2277
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0662	0.0340	0.4549	1.4100e-003	0.1369	9.1000e-004	0.1378	0.0363	8.4000e-004	0.0372		141.0287	141.0287	3.3300e-003		141.1120
Total	**0.1524**	**2.8651**	**0.9189**	**0.0110**	**0.3417**	**0.0106**	**0.3523**	**0.0924**	**0.0101**	**0.1026**		**1,143.3081**	**1,143.3081**	**0.0413**		**1,144.3397**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1370	0.0000	6.1370	3.3237	0.0000	3.3237			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.1370**	**1.1599**	**7.2970**	**3.3237**	**1.0671**	**4.3908**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0445	1.4599	0.2393	4.9300e-003	0.1056	5.0100e-003	0.1106	0.0289	4.7900e-003	0.0337		516.8457	516.8457	0.0196		517.3347
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0284	0.3791	1.1800e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		117.5239	117.5239	2.7800e-003		117.5933
Total	**0.0996**	**1.4883**	**0.6184**	**6.1100e-003**	**0.2197**	**5.7700e-003**	**0.2254**	**0.0592**	**5.4900e-003**	**0.0647**		**634.3696**	**634.3696**	**0.0223**		**634.9280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1370	0.0000	6.1370	3.3237	0.0000	3.3237			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0296		0.0484	0.0484		0.0484	0.0484	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**0.3632**	**1.5737**	**17.7527**	**0.0296**	**6.1370**	**0.0484**	**6.1855**	**3.3237**	**0.0484**	**3.3721**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0445	1.4599	0.2393	4.9300e-003	0.1056	5.0100e-003	0.1106	0.0289	4.7900e-003	0.0337		516.8457	516.8457	0.0196		517.3347
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0284	0.3791	1.1800e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		117.5239	117.5239	2.7800e-003		117.5933
Total	**0.0996**	**1.4883**	**0.6184**	**6.1100e-003**	**0.2197**	**5.7700e-003**	**0.2254**	**0.0592**	**5.4900e-003**	**0.0647**		**634.3696**	**634.3696**	**0.0223**		**634.9280**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342		1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4346**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**		**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0378	0.5054	1.5700e-003	0.1521	1.0100e-003	0.1532	0.0404	9.3000e-004	0.0413		156.6986	156.6986	3.7000e-003		156.7911
Total	**0.0736**	**0.0378**	**0.5054**	**1.5700e-003**	**0.1521**	**1.0100e-003**	**0.1532**	**0.0404**	**9.3000e-004**	**0.0413**		**156.6986**	**156.6986**	**3.7000e-003**		**156.7911**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5600**	**0.9509**	**13.5323**	**0.0189**		**0.0293**	**0.0293**		**0.0293**	**0.0293**	**0.0000**	**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0378	0.5054	1.5700e-003	0.1521	1.0100e-003	0.1532	0.0404	9.3000e-004	0.0413		156.6986	156.6986	3.7000e-003		156.7911
Total	**0.0736**	**0.0378**	**0.5054**	**1.5700e-003**	**0.1521**	**1.0100e-003**	**0.1532**	**0.0404**	**9.3000e-004**	**0.0413**		**156.6986**	**156.6986**	**3.7000e-003**		**156.7911**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.6 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3051	10.9116	1.8966	0.0295	0.6816	0.0254	0.7070	0.1962	0.0243	0.2205		3,089.6784	3,089.6784	0.1706		3,093.9430
Worker	1.3758	0.7071	9.4510	0.0294	2.8450	0.0189	2.8639	0.7547	0.0174	0.7721		2,930.2636	2,930.2636	0.0692		2,931.9936
Total	**1.6809**	**11.6187**	**11.3475**	**0.0589**	**3.5267**	**0.0442**	**3.5709**	**0.9509**	**0.0416**	**0.9925**		**6,019.9420**	**6,019.9420**	**0.2398**		**6,025.9366**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.6 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3051	10.9116	1.8966	0.0295	0.6816	0.0254	0.7070	0.1962	0.0243	0.2205		3,089.6784	3,089.6784	0.1706		3,093.9430
Worker	1.3758	0.7071	9.4510	0.0294	2.8450	0.0189	2.8639	0.7547	0.0174	0.7721		2,930.2636	2,930.2636	0.0692		2,931.9936
Total	**1.6809**	**11.6187**	**11.3475**	**0.0589**	**3.5267**	**0.0442**	**3.5709**	**0.9509**	**0.0416**	**0.9925**		**6,019.9420**	**6,019.9420**	**0.2398**		**6,025.9366**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2825	10.3755	1.7427	0.0292	0.6816	0.0216	0.7032	0.1962	0.0207	0.2169		3,060.5746	3,060.5746	0.1613		3,064.6059
Worker	1.2831	0.6348	8.6962	0.0283	2.8450	0.0184	2.8634	0.7547	0.0169	0.7716		2,823.1012	2,823.1012	0.0622		2,824.6553
Total	**1.5656**	**11.0103**	**10.4389**	**0.0576**	**3.5266**	**0.0400**	**3.5666**	**0.9509**	**0.0376**	**0.9885**		**5,883.6758**	**5,883.6758**	**0.2234**		**5,889.2612**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2825	10.3755	1.7427	0.0292	0.6816	0.0216	0.7032	0.1962	0.0207	0.2169		3,060.5746	3,060.5746	0.1613		3,064.6059
Worker	1.2831	0.6348	8.6962	0.0283	2.8450	0.0184	2.8634	0.7547	0.0169	0.7716		2,823.1012	2,823.1012	0.0622		2,824.6553
Total	**1.5656**	**11.0103**	**10.4389**	**0.0576**	**3.5266**	**0.0400**	**3.5666**	**0.9509**	**0.0376**	**0.9885**		**5,883.6758**	**5,883.6758**	**0.2234**		**5,889.2612**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2057	8.4880	1.4743	0.0286	0.6816	7.9700e-003	0.6895	0.1962	7.6200e-003	0.2038		2,997.3629	2,997.3629	0.1108		3,000.1320
Worker	1.1984	0.5710	7.9998	0.0272	2.8450	0.0180	2.8630	0.7547	0.0166	0.7712		2,715.2302	2,715.2302	0.0558		2,716.6241
Total	**1.4042**	**9.0590**	**9.4741**	**0.0559**	**3.5266**	**0.0260**	**3.5525**	**0.9509**	**0.0242**	**0.9750**		**5,712.5932**	**5,712.5932**	**0.1665**		**5,716.7561**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2057	8.4880	1.4743	0.0286	0.6816	7.9700e-003	0.6895	0.1962	7.6200e-003	0.2038		2,997.3629	2,997.3629	0.1108		3,000.1320
Worker	1.1984	0.5710	7.9998	0.0272	2.8450	0.0180	2.8630	0.7547	0.0166	0.7712		2,715.2302	2,715.2302	0.0558		2,716.6241
Total	**1.4042**	**9.0590**	**9.4741**	**0.0559**	**3.5266**	**0.0260**	**3.5525**	**0.9509**	**0.0242**	**0.9750**		**5,712.5932**	**5,712.5932**	**0.1665**		**5,716.7561**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**9.0099**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2759	0.1418	1.8953	5.9000e-003	0.5705	3.7900e-003	0.5743	0.1513	3.4900e-003	0.1548		587.6197	587.6197	0.0139		587.9666
Total	**0.2759**	**0.1418**	**1.8953**	**5.9000e-003**	**0.5705**	**3.7900e-003**	**0.5743**	**0.1513**	**3.4900e-003**	**0.1548**		**587.6197**	**587.6197**	**0.0139**		**587.9666**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**8.8207**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2759	0.1418	1.8953	5.9000e-003	0.5705	3.7900e-003	0.5743	0.1513	3.4900e-003	0.1548		587.6197	587.6197	0.0139		587.9666
Total	**0.2759**	**0.1418**	**1.8953**	**5.9000e-003**	**0.5705**	**3.7900e-003**	**0.5743**	**0.1513**	**3.4900e-003**	**0.1548**		**587.6197**	**587.6197**	**0.0139**		**587.9666**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**8.9956**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2573	0.1273	1.7439	5.6800e-003	0.5705	3.6900e-003	0.5742	0.1513	3.4000e-003	0.1547		566.1299	566.1299	0.0125		566.4416
Total	**0.2573**	**0.1273**	**1.7439**	**5.6800e-003**	**0.5705**	**3.6900e-003**	**0.5742**	**0.1513**	**3.4000e-003**	**0.1547**		**566.1299**	**566.1299**	**0.0125**		**566.4416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**8.8207**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2573	0.1273	1.7439	5.6800e-003	0.5705	3.6900e-003	0.5742	0.1513	3.4000e-003	0.1547		566.1299	566.1299	0.0125		566.4416
Total	**0.2573**	**0.1273**	**1.7439**	**5.6800e-003**	**0.5705**	**3.6900e-003**	**0.5742**	**0.1513**	**3.4000e-003**	**0.1547**		**566.1299**	**566.1299**	**0.0125**		**566.4416**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**8.9827**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2403	0.1145	1.6043	5.4600e-003	0.5705	3.6100e-003	0.5741	0.1513	3.3200e-003	0.1547		544.4980	544.4980	0.0112		544.7776
Total	**0.2403**	**0.1145**	**1.6043**	**5.4600e-003**	**0.5705**	**3.6100e-003**	**0.5741**	**0.1513**	**3.3200e-003**	**0.1547**		**544.4980**	**544.4980**	**0.0112**		**544.7776**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**8.8207**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2403	0.1145	1.6043	5.4600e-003	0.5705	3.6100e-003	0.5741	0.1513	3.3200e-003	0.1547		544.4980	544.4980	0.0112		544.7776
Total	**0.2403**	**0.1145**	**1.6043**	**5.4600e-003**	**0.5705**	**3.6100e-003**	**0.5741**	**0.1513**	**3.3200e-003**	**0.1547**		**544.4980**	**544.4980**	**0.0112**		**544.7776**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.4760	89.5703	146.3400	0.6696	48.6812	0.4142	49.0954	13.0686	0.3870	13.4556		68,219.2864	68,219.2864	2.6717		68,286.0786
Unmitigated	15.4760	89.5703	146.3400	0.6696	48.6812	0.4142	49.0954	13.0686	0.3870	13.4556		68,219.2864	68,219.2864	2.6717		68,286.0786

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,573.44	1,573.44	1573.44	6,416,767	6,416,767
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,557.37	5,557.37	5557.37	12,251,098	12,251,098
Regional Shopping Center	1,838.04	1,838.04	1838.04	4,051,920	4,051,920
Total	8,968.85	8,968.85	8,968.85	22,719,785	22,719,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	15.54	7.78	10.88	46.00	13.00	41.00	86	11	3
Enclosed Parking with Elevator	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Parking Lot	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Enclosed Parking with Elevator	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Parking Lot	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
NaturalGas Unmitigated	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5971.13	0.0644	0.5503	0.2342	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.4858	702.4858	0.0135	0.0129	706.6603
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	154.537	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1808	18.1808	3.5000e-004	3.3000e-004	18.2889
Regional Shopping Center	467.247	5.0400e-003	0.0458	0.0385	2.7000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003		54.9703	54.9703	1.0500e-003	1.0100e-003	55.2969
Total		**0.0711**	**0.6112**	**0.2854**	**3.8700e-003**		**0.0491**	**0.0491**		**0.0491**	**0.0491**		**775.6369**	**775.6369**	**0.0149**	**0.0142**	**780.2461**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.97113	0.0644	0.5503	0.2342	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.4858	702.4858	0.0135	0.0129	706.6603
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.154537	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1808	18.1808	3.5000e-004	3.3000e-004	18.2889
Regional Shopping Center	0.467247	5.0400e-003	0.0458	0.0385	2.7000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003		54.9703	54.9703	1.0500e-003	1.0100e-003	55.2969
Total		**0.0711**	**0.6112**	**0.2854**	**3.8700e-003**		**0.0491**	**0.0491**		**0.0491**	**0.0491**		**775.6369**	**775.6369**	**0.0149**	**0.0142**	**780.2461**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.1806	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210	0.0000	39.3994	39.3994	0.0381	0.0000	40.3520
Unmitigated	609.1436	10.8053	761.5883	1.3374		103.8537	103.8537		103.8537	103.8537	10,898.2672	3,114.2229	14,012.4901	10.2234	0.8269	14,514.4761

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.6951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	598.3217	10.5537	739.7326	1.3362		103.7327	103.7327		103.7327	103.7327	10,898.2672	3,074.8235	13,973.0907	10.1853	0.8269	14,474.1241
Landscaping	0.6624	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210		39.3994	39.3994	0.0381		40.3520
Total	**609.1436**	**10.8053**	**761.5883**	**1.3374**		**103.8537**	**103.8537**		**103.8537**	**103.8537**	**10,898.2672**	**3,114.2229**	**14,012.4901**	**10.2234**	**0.8269**	**14,514.4761**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6624	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210		39.3994	39.3994	0.0381		40.3520
Total	**10.1806**	**0.2516**	**21.8558**	**1.1600e-003**		**0.1210**	**0.1210**		**0.1210**	**0.1210**	**0.0000**	**39.3994**	**39.3994**	**0.0381**	**0.0000**	**40.3520**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Commons Project (Mitigated)

Yolo/Solano AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	548.00	Space	0.00	246,000.00	0
Parking Lot	145.00	Space	1.30	87,000.00	0
Apartments Mid Rise	264.00	Dwelling Unit	2.30	264,000.00	894
Regional Shopping Center	102.80	1000sqft	0.00	102,800.00	0
Regional Shopping Center	34.00	1000sqft	0.78	34,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E RPS

Land Use - applicant provided

Construction Phase - applicant provided

Off-road Equipment -

Trips and VMT -

On-road Fugitive Dust - YSAQMD Standard

Demolition -

Grading - applicant provided

Vehicle Trips - adjusted per traffic report

Road Dust - Per Chiles Road

Woodstoves - per applicant

Energy Use - Updated per 2019 CBSC

Construction Off-road Equipment Mitigation - Engine Tier Mitigation

Mobile Land Use Mitigation -

Area Mitigation - per YSAQMD rules and regulations

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	5.00	32.00
tblConstructionPhase	NumDays	8.00	93.00
tblConstructionPhase	NumDays	18.00	10.00

tblConstructionPhase	NumDays	230.00	608.00
tblConstructionPhase	NumDays	18.00	608.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24E	332.81	309.51
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	5,484.45	5,100.54
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	46.50	8.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	219,200.00	246,000.00
tblLandUse	LandUseSquareFeet	58,000.00	87,000.00
tblLandUse	LotAcreage	4.93	0.00
tblLandUse	LotAcreage	6.95	2.30
tblLandUse	LotAcreage	2.36	0.00
tblLandUse	Population	755.00	894.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripNumber	563.00	562.00
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	HO_TL	7.00	10.88
tblVehicleTrips	HS_TL	5.00	7.78

tblVehicleTrips	HW_TL	10.00	15.54
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	49.97	54.06
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	25.24	54.06
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	42.70	54.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	12.7994	43.4569	30.8093	0.0898	18.4539	2.0554	20.5092	10.0301	1.8913	11.9214	0.0000	8,945.2578	8,945.2578	1.2378	0.0000	8,967.8436
2022	12.4635	28.4378	29.5559	0.0884	4.0971	0.9358	5.0329	1.1022	0.8852	1.9874	0.0000	8,803.3341	8,803.3341	0.8803	0.0000	8,825.3409
2023	12.1418	25.0822	28.2812	0.0866	4.0971	0.8004	4.8975	1.1022	0.7570	1.8592	0.0000	8,628.6470	8,628.6470	0.8103	0.0000	8,648.9031
Maximum	**12.7994**	**43.4569**	**30.8093**	**0.0898**	**18.4539**	**2.0554**	**20.5092**	**10.0301**	**1.8913**	**11.9214**	**0.0000**	**8,945.2578**	**8,945.2578**	**1.2378**	**0.0000**	**8,967.8436**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.0372	14.4453	31.7092	0.0898	18.4539	0.0942	18.5269	10.0301	0.0912	10.1025	0.0000	8,945.2578	8,945.2578	1.2378	0.0000	8,967.8435
2022	10.9102	13.7771	30.6715	0.0884	4.0971	0.0898	4.1869	1.1022	0.0870	1.1892	0.0000	8,803.3341	8,803.3341	0.8803	0.0000	8,825.3409
2023	10.7349	11.7578	29.5188	0.0866	4.0971	0.0746	4.1717	1.1022	0.0725	1.1747	0.0000	8,628.6470	8,628.6470	0.8103	0.0000	8,648.9031
Maximum	**11.0372**	**14.4453**	**31.7092**	**0.0898**	**18.4539**	**0.0942**	**18.5269**	**10.0301**	**0.0912**	**10.1025**	**0.0000**	**8,945.2578**	**8,945.2578**	**1.2378**	**0.0000**	**8,967.8435**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**12.63**	**58.77**	**-3.67**	**0.00**	**0.00**	**93.18**	**11.68**	**0.00**	**92.90**	**20.94**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	609.1436	10.8053	761.5883	1.3374		103.8537	103.8537		103.8537	103.8537	10,898.2672	3,114.2229	14,012.4901	10.2234	0.8269	14,514.4761
Energy	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
Mobile	12.2575	92.7072	142.0022	0.6168	48.6812	0.4166	49.0978	13.0686	0.3893	13.4579		62,889.4533	62,889.4533	2.7832		62,959.0340
Total	**621.4722**	**104.1238**	**903.8759**	**1.9580**	**48.6812**	**104.3194**	**153.0006**	**13.0686**	**104.2921**	**117.3607**	**10,898.2672**	**66,779.3131**	**77,677.5803**	**13.0215**	**0.8411**	**78,253.7562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.1806	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210	0.0000	39.3994	39.3994	0.0381	0.0000	40.3520
Energy	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
Mobile	12.2575	92.7072	142.0022	0.6168	48.6812	0.4166	49.0978	13.0686	0.3893	13.4579		62,889.4533	62,889.4533	2.7832		62,959.0340
Total	**22.5092**	**93.5701**	**164.1433**	**0.6218**	**48.6812**	**0.5867**	**49.2679**	**13.0686**	**0.5594**	**13.6280**	**0.0000**	**63,704.4896**	**63,704.4896**	**2.8362**	**0.0142**	**63,779.6321**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**96.38**	**10.14**	**81.84**	**68.24**	**0.00**	**99.44**	**67.80**	**0.00**	**99.46**	**88.39**	**100.00**	**4.60**	**17.99**	**78.22**	**98.31**	**18.50**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	5/1/2021	7	90	
2	Site Preparation	Site Preparation	5/2/2021	6/2/2021	7	32	
3	Grading	Grading	6/3/2021	9/3/2021	7	93	
4	Paving	Paving	9/4/2021	9/13/2021	7	10	
5	Building Construction	Building Construction	9/14/2021	5/14/2023	7	608	
6	Architectural Coating	Architectural Coating	9/28/2021	5/28/2023	7	608	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 1.3

Residential Indoor: 534,600; Residential Outdoor: 178,200; Non-Residential Indoor: 205,200; Non-Residential Outdoor: 68,400; Striped Parking Area: 19,980 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	412.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	562.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	374.00	105.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1614	0.0000	1.1614	0.1759	0.0000	0.1759			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.1614**	**1.5513**	**2.7127**	**0.1759**	**1.4411**	**1.6170**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0350	1.1395	0.2047	3.6500e-003	0.0800	3.9000e-003	0.0839	0.0219	3.7300e-003	0.0257		382.7710	382.7710	0.0167		383.1885
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0357	0.3377	1.0500e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		104.3747	104.3747	2.4900e-003		104.4370
Total	**0.0872**	**1.1752**	**0.5424**	**4.7000e-003**	**0.1941**	**4.6600e-003**	**0.1987**	**0.0522**	**4.4300e-003**	**0.0566**		**487.1457**	**487.1457**	**0.0192**		**487.6256**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1614	0.0000	1.1614	0.1759	0.0000	0.1759			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**1.1614**	**0.0616**	**1.2230**	**0.1759**	**0.0616**	**0.2375**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0350	1.1395	0.2047	3.6500e-003	0.0800	3.9000e-003	0.0839	0.0219	3.7300e-003	0.0257		382.7710	382.7710	0.0167		383.1885
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0357	0.3377	1.0500e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		104.3747	104.3747	2.4900e-003		104.4370
Total	**0.0872**	**1.1752**	**0.5424**	**4.7000e-003**	**0.1941**	**4.6600e-003**	**0.1987**	**0.0522**	**4.4300e-003**	**0.0566**		**487.1457**	**487.1457**	**0.0192**		**487.6256**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1122	0.0000	18.1122	9.9376	0.0000	9.9376			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.1122**	**2.0445**	**20.1567**	**9.9376**	**1.8809**	**11.8185**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0895	2.9169	0.5241	9.3500e-003	0.2047	9.9900e-003	0.2147	0.0561	9.5600e-003	0.0657		979.8636	979.8636	0.0428		980.9325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0627	0.0428	0.4052	1.2600e-003	0.1369	9.1000e-004	0.1378	0.0363	8.4000e-004	0.0372		125.2497	125.2497	2.9900e-003		125.3244
Total	**0.1522**	**2.9598**	**0.9293**	**0.0106**	**0.3417**	**0.0109**	**0.3525**	**0.0924**	**0.0104**	**0.1028**		**1,105.1133**	**1,105.1133**	**0.0457**		**1,106.2569**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1122	0.0000	18.1122	9.9376	0.0000	9.9376			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**18.1122**	**0.0621**	**18.1743**	**9.9376**	**0.0621**	**9.9997**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0895	2.9169	0.5241	9.3500e-003	0.2047	9.9900e-003	0.2147	0.0561	9.5600e-003	0.0657		979.8636	979.8636	0.0428		980.9325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0627	0.0428	0.4052	1.2600e-003	0.1369	9.1000e-004	0.1378	0.0363	8.4000e-004	0.0372		125.2497	125.2497	2.9900e-003		125.3244
Total	**0.1522**	**2.9598**	**0.9293**	**0.0106**	**0.3417**	**0.0109**	**0.3525**	**0.0924**	**0.0104**	**0.1028**		**1,105.1133**	**1,105.1133**	**0.0457**		**1,106.2569**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1370	0.0000	6.1370	3.3237	0.0000	3.3237			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.1370**	**1.1599**	**7.2970**	**3.3237**	**1.0671**	**4.3908**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0461	1.5042	0.2703	4.8200e-003	0.1056	5.1500e-003	0.1107	0.0289	4.9300e-003	0.0339		505.2865	505.2865	0.0221		505.8377
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0357	0.3377	1.0500e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		104.3747	104.3747	2.4900e-003		104.4370
Total	**0.0984**	**1.5399**	**0.6080**	**5.8700e-003**	**0.2197**	**5.9100e-003**	**0.2256**	**0.0592**	**5.6300e-003**	**0.0648**		**609.6612**	**609.6612**	**0.0245**		**610.2747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1370	0.0000	6.1370	3.3237	0.0000	3.3237			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0296		0.0484	0.0484		0.0484	0.0484	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**0.3632**	**1.5737**	**17.7527**	**0.0296**	**6.1370**	**0.0484**	**6.1855**	**3.3237**	**0.0484**	**3.3721**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0461	1.5042	0.2703	4.8200e-003	0.1056	5.1500e-003	0.1107	0.0289	4.9300e-003	0.0339		505.2865	505.2865	0.0221		505.8377
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0357	0.3377	1.0500e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		104.3747	104.3747	2.4900e-003		104.4370
Total	**0.0984**	**1.5399**	**0.6080**	**5.8700e-003**	**0.2197**	**5.9100e-003**	**0.2256**	**0.0592**	**5.6300e-003**	**0.0648**		**609.6612**	**609.6612**	**0.0245**		**610.2747**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342		1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4346**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**		**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0476	0.4503	1.4000e-003	0.1521	1.0100e-003	0.1532	0.0404	9.3000e-004	0.0413		139.1663	139.1663	3.3200e-003		139.2494
Total	**0.0697**	**0.0476**	**0.4503**	**1.4000e-003**	**0.1521**	**1.0100e-003**	**0.1532**	**0.0404**	**9.3000e-004**	**0.0413**		**139.1663**	**139.1663**	**3.3200e-003**		**139.2494**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5600**	**0.9509**	**13.5323**	**0.0189**		**0.0293**	**0.0293**		**0.0293**	**0.0293**	**0.0000**	**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0476	0.4503	1.4000e-003	0.1521	1.0100e-003	0.1532	0.0404	9.3000e-004	0.0413		139.1663	139.1663	3.3200e-003		139.2494
Total	**0.0697**	**0.0476**	**0.4503**	**1.4000e-003**	**0.1521**	**1.0100e-003**	**0.1532**	**0.0404**	**9.3000e-004**	**0.0413**		**139.1663**	**139.1663**	**3.3200e-003**		**139.2494**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.6 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3246	11.0137	2.3081	0.0285	0.6816	0.0268	0.7084	0.1962	0.0256	0.2218		2,986.1627	2,986.1627	0.1935		2,991.0000
Worker	1.3028	0.8898	8.4200	0.0261	2.8450	0.0189	2.8639	0.7547	0.0174	0.7721		2,602.4095	2,602.4095	0.0622		2,603.9632
Total	**1.6274**	**11.9034**	**10.7281**	**0.0546**	**3.5267**	**0.0456**	**3.5723**	**0.9509**	**0.0430**	**0.9939**		**5,588.5722**	**5,588.5722**	**0.2556**		**5,594.9632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.6 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3246	11.0137	2.3081	0.0285	0.6816	0.0268	0.7084	0.1962	0.0256	0.2218		2,986.1627	2,986.1627	0.1935		2,991.0000
Worker	1.3028	0.8898	8.4200	0.0261	2.8450	0.0189	2.8639	0.7547	0.0174	0.7721		2,602.4095	2,602.4095	0.0622		2,603.9632
Total	**1.6274**	**11.9034**	**10.7281**	**0.0546**	**3.5267**	**0.0456**	**3.5723**	**0.9509**	**0.0430**	**0.9939**		**5,588.5722**	**5,588.5722**	**0.2556**		**5,594.9632**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3006	10.4550	2.1224	0.0283	0.6816	0.0229	0.7045	0.1962	0.0219	0.2182		2,957.3771	2,957.3771	0.1832		2,961.9561
Worker	1.2170	0.7986	7.7103	0.0252	2.8450	0.0184	2.8634	0.7547	0.0169	0.7716		2,507.3621	2,507.3621	0.0557		2,508.7541
Total	**1.5176**	**11.2535**	**9.8327**	**0.0534**	**3.5266**	**0.0413**	**3.5679**	**0.9509**	**0.0389**	**0.9898**		**5,464.7392**	**5,464.7392**	**0.2388**		**5,470.7101**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3006	10.4550	2.1224	0.0283	0.6816	0.0229	0.7045	0.1962	0.0219	0.2182		2,957.3771	2,957.3771	0.1832		2,961.9561
Worker	1.2170	0.7986	7.7103	0.0252	2.8450	0.0184	2.8634	0.7547	0.0169	0.7716		2,507.3621	2,507.3621	0.0557		2,508.7541
Total	**1.5176**	**11.2535**	**9.8327**	**0.0534**	**3.5266**	**0.0413**	**3.5679**	**0.9509**	**0.0389**	**0.9898**		**5,464.7392**	**5,464.7392**	**0.2388**		**5,470.7101**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2186	8.5326	1.7543	0.0277	0.6816	8.2500e-003	0.6898	0.1962	7.8800e-003	0.2041		2,896.6750	2,896.6750	0.1258		2,899.8199
Worker	1.1393	0.7178	7.0567	0.0242	2.8450	0.0180	2.8630	0.7547	0.0166	0.7712		2,411.6870	2,411.6870	0.0498		2,412.9315
Total	**1.3579**	**9.2504**	**8.8110**	**0.0519**	**3.5266**	**0.0262**	**3.5528**	**0.9509**	**0.0244**	**0.9753**		**5,308.3620**	**5,308.3620**	**0.1756**		**5,312.7514**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**0.3278**	**2.2347**	**17.4603**	**0.0269**		**0.0408**	**0.0408**		**0.0408**	**0.0408**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2186	8.5326	1.7543	0.0277	0.6816	8.2500e-003	0.6898	0.1962	7.8800e-003	0.2041		2,896.6750	2,896.6750	0.1258		2,899.8199
Worker	1.1393	0.7178	7.0567	0.0242	2.8450	0.0180	2.8630	0.7547	0.0166	0.7712		2,411.6870	2,411.6870	0.0498		2,412.9315
Total	**1.3579**	**9.2504**	**8.8110**	**0.0519**	**3.5266**	**0.0262**	**3.5528**	**0.9509**	**0.0244**	**0.9753**		**5,308.3620**	**5,308.3620**	**0.1756**		**5,312.7514**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**9.0099**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2613	0.1784	1.6885	5.2400e-003	0.5705	3.7900e-003	0.5743	0.1513	3.4900e-003	0.1548		521.8736	521.8736	0.0125		522.1851
Total	**0.2613**	**0.1784**	**1.6885**	**5.2400e-003**	**0.5705**	**3.7900e-003**	**0.5743**	**0.1513**	**3.4900e-003**	**0.1548**		**521.8736**	**521.8736**	**0.0125**		**522.1851**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**8.8207**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2613	0.1784	1.6885	5.2400e-003	0.5705	3.7900e-003	0.5743	0.1513	3.4900e-003	0.1548		521.8736	521.8736	0.0125		522.1851
Total	**0.2613**	**0.1784**	**1.6885**	**5.2400e-003**	**0.5705**	**3.7900e-003**	**0.5743**	**0.1513**	**3.4900e-003**	**0.1548**		**521.8736**	**521.8736**	**0.0125**		**522.1851**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**8.9956**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2441	0.1601	1.5462	5.0400e-003	0.5705	3.6900e-003	0.5742	0.1513	3.4000e-003	0.1547		502.8133	502.8133	0.0112		503.0924
Total	**0.2441**	**0.1601**	**1.5462**	**5.0400e-003**	**0.5705**	**3.6900e-003**	**0.5742**	**0.1513**	**3.4000e-003**	**0.1547**		**502.8133**	**502.8133**	**0.0112**		**503.0924**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**8.8207**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2441	0.1601	1.5462	5.0400e-003	0.5705	3.6900e-003	0.5742	0.1513	3.4000e-003	0.1547		502.8133	502.8133	0.0112		503.0924
Total	**0.2441**	**0.1601**	**1.5462**	**5.0400e-003**	**0.5705**	**3.6900e-003**	**0.5742**	**0.1513**	**3.4000e-003**	**0.1547**		**502.8133**	**502.8133**	**0.0112**		**503.0924**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**8.9827**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2285	0.1440	1.4151	4.8500e-003	0.5705	3.6100e-003	0.5741	0.1513	3.3200e-003	0.1547		483.6271	483.6271	9.9800e-003		483.8766
Total	**0.2285**	**0.1440**	**1.4151**	**4.8500e-003**	**0.5705**	**3.6100e-003**	**0.5741**	**0.1513**	**3.3200e-003**	**0.1547**		**483.6271**	**483.6271**	**9.9800e-003**		**483.8766**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**8.8207**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2285	0.1440	1.4151	4.8500e-003	0.5705	3.6100e-003	0.5741	0.1513	3.3200e-003	0.1547		483.6271	483.6271	9.9800e-003		483.8766
Total	**0.2285**	**0.1440**	**1.4151**	**4.8500e-003**	**0.5705**	**3.6100e-003**	**0.5741**	**0.1513**	**3.3200e-003**	**0.1547**		**483.6271**	**483.6271**	**9.9800e-003**		**483.8766**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.2575	92.7072	142.0022	0.6168	48.6812	0.4166	49.0978	13.0686	0.3893	13.4579		62,889.4533	62,889.4533	2.7832		62,959.0340
Unmitigated	12.2575	92.7072	142.0022	0.6168	48.6812	0.4166	49.0978	13.0686	0.3893	13.4579		62,889.4533	62,889.4533	2.7832		62,959.0340

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,573.44	1,573.44	1573.44	6,416,767	6,416,767
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,557.37	5,557.37	5557.37	12,251,098	12,251,098
Regional Shopping Center	1,838.04	1,838.04	1838.04	4,051,920	4,051,920
Total	8,968.85	8,968.85	8,968.85	22,719,785	22,719,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	15.54	7.78	10.88	46.00	13.00	41.00	86	11	3
Enclosed Parking with Elevator	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Parking Lot	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Enclosed Parking with Elevator	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Parking Lot	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
NaturalGas Unmitigated	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5971.13	0.0644	0.5503	0.2342	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.4858	702.4858	0.0135	0.0129	706.6603
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	154.537	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1808	18.1808	3.5000e-004	3.3000e-004	18.2889
Regional Shopping Center	467.247	5.0400e-003	0.0458	0.0385	2.7000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003		54.9703	54.9703	1.0500e-003	1.0100e-003	55.2969
Total		**0.0711**	**0.6112**	**0.2854**	**3.8700e-003**		**0.0491**	**0.0491**		**0.0491**	**0.0491**		**775.6369**	**775.6369**	**0.0149**	**0.0142**	**780.2461**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.97113	0.0644	0.5503	0.2342	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.4858	702.4858	0.0135	0.0129	706.6603
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.154537	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1808	18.1808	3.5000e-004	3.3000e-004	18.2889
Regional Shopping Center	0.467247	5.0400e-003	0.0458	0.0385	2.7000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003		54.9703	54.9703	1.0500e-003	1.0100e-003	55.2969
Total		**0.0711**	**0.6112**	**0.2854**	**3.8700e-003**		**0.0491**	**0.0491**		**0.0491**	**0.0491**		**775.6369**	**775.6369**	**0.0149**	**0.0142**	**780.2461**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.1806	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210	0.0000	39.3994	39.3994	0.0381	0.0000	40.3520
Unmitigated	609.1436	10.8053	761.5883	1.3374		103.8537	103.8537		103.8537	103.8537	10,898.2672	3,114.2229	14,012.4901	10.2234	0.8269	14,514.4761

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.6951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	598.3217	10.5537	739.7326	1.3362		103.7327	103.7327		103.7327	103.7327	10,898.2672	3,074.8235	13,973.0907	10.1853	0.8269	14,474.1241
Landscaping	0.6624	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210		39.3994	39.3994	0.0381		40.3520
Total	**609.1436**	**10.8053**	**761.5883**	**1.3374**		**103.8537**	**103.8537**		**103.8537**	**103.8537**	**10,898.2672**	**3,114.2229**	**14,012.4901**	**10.2234**	**0.8269**	**14,514.4761**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6624	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210		39.3994	39.3994	0.0381		40.3520
Total	**10.1806**	**0.2516**	**21.8558**	**1.1600e-003**		**0.1210**	**0.1210**		**0.1210**	**0.1210**	**0.0000**	**39.3994**	**39.3994**	**0.0381**	**0.0000**	**40.3520**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Commons Project (Mitigated)

Yolo/Solano AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.02	0.83	-0.01	0.00	0.91	0.91	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.44	0.51	-0.04	0.00	0.91	0.90	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.83	0.90	-0.08	0.00	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.81	0.88	-0.12	0.00	0.95	0.95	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.58	0.91	-0.10	0.00	0.94	0.94	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.85	0.89	0.01	0.00	0.96	0.96	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	Tier 4 Final	1	1	No Change	0.00
Cement and Mortar Mixers	Diesel	Tier 4 Final	2	2	No Change	0.00
Concrete/Industrial Saws	Diesel	Tier 4 Final	1	1	No Change	0.00
Cranes	Diesel	Tier 4 Final	1	1	No Change	0.00
Excavators	Diesel	Tier 4 Final	4	4	No Change	0.00
Forklifts	Diesel	Tier 4 Final	3	3	No Change	0.00
Generator Sets	Diesel	Tier 4 Final	1	1	No Change	0.00
Graders	Diesel	Tier 4 Final	1	1	No Change	0.00
Pavers	Diesel	Tier 4 Final	1	1	No Change	0.00
Paving Equipment	Diesel	Tier 4 Final	2	2	No Change	0.00
Rollers	Diesel	Tier 4 Final	2	2	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 4 Final	6	6	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	11	11	No Change	0.00
Welders	Diesel	Tier 4 Final	1	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	6.19100E-002	4.25990E-001	5.51340E-001	9.00000E-004	2.46200E-002	2.46200E-002	0.00000E+000	7.76189E+001	7.76189E+001	5.00000E-003	0.00000E+000	7.77438E+001
Cement and Mortar Mixers	4.40000E-004	2.76000E-003	2.31000E-003	1.00000E-005	1.10000E-004	1.10000E-004	0.00000E+000	3.43710E-001	3.43710E-001	4.00000E-005	0.00000E+000	3.44600E-001
Concrete/Industrial Saws	1.73200E-002	1.36710E-001	1.65330E-001	2.80000E-004	7.79000E-003	7.79000E-003	0.00000E+000	2.41945E+001	2.41945E+001	1.40000E-003	0.00000E+000	2.42297E+001
Cranes	9.98500E-002	1.12311E+000	5.04280E-001	1.53000E-003	4.64700E-002	4.27600E-002	0.00000E+000	1.34847E+002	1.34847E+002	4.36100E-002	0.00000E+000	1.35938E+002
Excavators	4.16000E-002	3.90840E-001	5.93830E-001	9.40000E-004	1.89600E-002	1.74400E-002	0.00000E+000	8.23586E+001	8.23586E+001	2.66400E-002	0.00000E+000	8.30245E+001
Forklifts	1.03950E-001	9.63240E-001	1.05272E+000	1.39000E-003	6.38600E-002	5.87500E-002	0.00000E+000	1.22474E+002	1.22474E+002	3.96100E-002	0.00000E+000	1.23464E+002
Generator Sets	1.00190E-001	8.88910E-001	1.11752E+000	2.00000E-003	4.45500E-002	4.45500E-002	0.00000E+000	1.71823E+002	1.71823E+002	8.14000E-003	0.00000E+000	1.72027E+002
Graders	2.10600E-002	2.75490E-001	8.21700E-002	3.10000E-004	8.73000E-003	8.03000E-003	0.00000E+000	2.70689E+001	2.70689E+001	8.75000E-003	0.00000E+000	2.72877E+001
Pavers	1.23000E-003	1.29800E-002	1.45200E-002	2.00000E-005	6.30000E-004	5.80000E-004	0.00000E+000	2.06412E+000	2.06412E+000	6.70000E-004	0.00000E+000	2.08081E+000
Paving Equipment	1.44000E-003	1.45500E-002	1.90600E-002	3.00000E-005	7.20000E-004	6.60000E-004	0.00000E+000	2.68383E+000	2.68383E+000	8.70000E-004	0.00000E+000	2.70553E+000
Rollers	1.42000E-003	1.44300E-002	1.41000E-002	2.00000E-005	8.80000E-004	8.10000E-004	0.00000E+000	1.72879E+000	1.72879E+000	5.60000E-004	0.00000E+000	1.74277E+000
Rubber Tired Dozers	1.93050E-001	2.02420E+000	7.44970E-001	1.57000E-003	9.82400E-002	9.03800E-002	0.00000E+000	1.38479E+002	1.38479E+002	4.47900E-002	0.00000E+000	1.39598E+002
Tractors/Loaders/Backhoes	1.71360E-001	1.73932E+000	2.25916E+000	3.13000E-003	9.58000E-002	8.81400E-002	0.00000E+000	2.75001E+002	2.75001E+002	8.89400E-002	0.00000E+000	2.77225E+002
Welders	8.40500E-002	4.44390E-001	5.15580E-001	7.80000E-004	1.93900E-002	1.93900E-002	0.00000E+000	5.72191E+001	5.72191E+001	6.82000E-003	0.00000E+000	5.73896E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	9.03000E-003	3.91400E-002	5.57050E-001	9.00000E-004	1.20000E-003	1.20000E-003	0.00000E+000	7.76188E+001	7.76188E+001	5.00000E-003	0.00000E+000	7.77437E+001
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	1.00000E-005	0.00000E+000	0.00000E+000	0.00000E+000	3.43710E-001	3.43710E-001	4.00000E-005	0.00000E+000	3.44600E-001
Concrete/Industrial Saws	2.82000E-003	1.22000E-002	1.73640E-001	2.80000E-004	3.80000E-004	3.80000E-004	0.00000E+000	2.41945E+001	2.41945E+001	1.40000E-003	0.00000E+000	2.42296E+001
Cranes	1.88600E-002	8.17100E-002	6.91410E-001	1.53000E-003	2.51000E-003	2.51000E-003	0.00000E+000	1.34847E+002	1.34847E+002	4.36100E-002	0.00000E+000	1.35938E+002
Excavators	1.15300E-002	4.99700E-002	7.11120E-001	9.40000E-004	1.54000E-003	1.54000E-003	0.00000E+000	8.23585E+001	8.23585E+001	2.66400E-002	0.00000E+000	8.30244E+001
Forklifts	1.71800E-002	7.44400E-002	1.05935E+000	1.39000E-003	2.29000E-003	2.29000E-003	0.00000E+000	1.22474E+002	1.22474E+002	3.96100E-002	0.00000E+000	1.23464E+002
Generator Sets	2.00000E-002	8.66500E-002	1.23313E+000	2.00000E-003	2.67000E-003	2.67000E-003	0.00000E+000	1.71823E+002	1.71823E+002	8.14000E-003	0.00000E+000	1.72026E+002
Graders	3.77000E-003	1.63500E-002	1.38330E-001	3.10000E-004	5.00000E-004	5.00000E-004	0.00000E+000	2.70688E+001	2.70688E+001	8.75000E-003	0.00000E+000	2.72877E+001
Pavers	2.90000E-004	1.25000E-003	1.78200E-002	2.00000E-005	4.00000E-005	4.00000E-005	0.00000E+000	2.06412E+000	2.06412E+000	6.70000E-004	0.00000E+000	2.08081E+000
Paving Equipment	3.80000E-004	1.63000E-003	2.32600E-002	3.00000E-005	5.00000E-005	5.00000E-005	0.00000E+000	2.68383E+000	2.68383E+000	8.70000E-004	0.00000E+000	2.70553E+000
Rollers	2.40000E-004	1.05000E-003	1.48800E-002	2.00000E-005	3.00000E-005	3.00000E-005	0.00000E+000	1.72879E+000	1.72879E+000	5.60000E-004	0.00000E+000	1.74277E+000
Rubber Tired Dozers	1.92900E-002	8.35900E-002	7.07290E-001	1.57000E-003	2.57000E-003	2.57000E-003	0.00000E+000	1.38478E+002	1.38478E+002	4.47900E-002	0.00000E+000	1.39598E+002
Tractors/Loaders/Backhoes	3.82300E-002	1.65650E-001	2.35729E+000	3.13000E-003	5.10000E-003	5.10000E-003	0.00000E+000	2.75001E+002	2.75001E+002	8.89400E-002	0.00000E+000	2.77225E+002
Welders	1.33200E-002	3.05210E-001	4.55040E-001	7.80000E-004	8.90000E-004	8.90000E-004	0.00000E+000	5.72190E+001	5.72190E+001	6.82000E-003	0.00000E+000	5.73896E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	8.54143E-001	9.08120E-001	-1.03566E-002	0.00000E+000	9.51259E-001	9.51259E-001	0.00000E+000	1.15951E-006	1.15951E-006	0.00000E+000	0.00000E+000	1.15765E-006
Cement and Mortar Mixers	1.00000E+000	1.00000E+000	1.00000E+000	0.00000E+000	1.00000E+000	1.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	8.37182E-001	9.10760E-001	-5.02631E-002	0.00000E+000	9.51220E-001	9.51220E-001	0.00000E+000	8.26633E-007	8.26633E-007	0.00000E+000	0.00000E+000	1.23815E-006
Cranes	8.11117E-001	9.27247E-001	-3.71084E-001	0.00000E+000	9.45987E-001	9.41300E-001	0.00000E+000	1.18653E-006	1.18653E-006	0.00000E+000	0.00000E+000	1.25057E-006
Excavators	7.22837E-001	8.72147E-001	-1.97514E-001	0.00000E+000	9.18776E-001	9.11697E-001	0.00000E+000	1.09278E-006	1.09278E-006	0.00000E+000	0.00000E+000	1.20446E-006
Forklifts	8.34728E-001	9.22719E-001	-6.29797E-003	0.00000E+000	9.64140E-001	9.61021E-001	0.00000E+000	1.22475E-006	1.22475E-006	0.00000E+000	0.00000E+000	1.21493E-006
Generator Sets	8.00379E-001	9.02521E-001	-1.03452E-001	0.00000E+000	9.40067E-001	9.40067E-001	0.00000E+000	1.22219E-006	1.22219E-006	0.00000E+000	0.00000E+000	1.22074E-006
Graders	8.20988E-001	9.40651E-001	-6.83461E-001	0.00000E+000	9.42726E-001	9.37733E-001	0.00000E+000	1.10828E-006	1.10828E-006	0.00000E+000	0.00000E+000	1.46586E-006
Pavers	7.64228E-001	9.03698E-001	-2.27273E-001	0.00000E+000	9.36508E-001	9.31034E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	7.36111E-001	8.87973E-001	-2.20357E-001	0.00000E+000	9.30556E-001	9.24242E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	8.30986E-001	9.27235E-001	-5.53191E-002	0.00000E+000	9.65909E-001	9.62963E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	9.00078E-001	9.58705E-001	5.05792E-002	0.00000E+000	9.73840E-001	9.71565E-001	0.00000E+000	1.22763E-006	1.22763E-006	0.00000E+000	0.00000E+000	1.21778E-006
Tractors/Loaders/Backhoes	7.76902E-001	9.04762E-001	-4.34365E-002	0.00000E+000	9.46764E-001	9.42138E-001	0.00000E+000	1.19999E-006	1.19999E-006	0.00000E+000	0.00000E+000	1.19037E-006
Welders	8.41523E-001	3.13193E-001	1.17421E-001	0.00000E+000	9.54100E-001	9.54100E-001	0.00000E+000	1.22337E-006	1.22337E-006	0.00000E+000	0.00000E+000	1.04549E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Water Exposed Area	PM10 Reduction	0.00	PM2.5 Reduction	0.00	Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %	0.50	Vehicle Speed (mph)	40.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.17	0.04	0.17	0.04	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.04	0.28	1.04	0.28	0.00	0.00
Demolition	Fugitive Dust	0.05	0.01	0.05	0.01	0.00	0.00
Demolition	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Grading	Fugitive Dust	0.29	0.15	0.29	0.15	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.29	0.16	0.29	0.16	0.00	0.00
Site Preparation	Roads	0.01	0.00	0.01	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	80.00	80.01	80.04	80.00
Hearth	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	16.00	17.09	19.99	19.87	18.46
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00	32.00	0.00	
No	Land Use	Increase Diversity	0.20	0.48		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.24	0.01		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	100.00
Yes	Use Low VOC Paint (Residential Exterior)	100.00
Yes	Use Low VOC Paint (Non-residential Interior)	150.00
Yes	Use Low VOC Paint (Non-residential Exterior)	150.00
Yes	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable		80.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

University Commons Project (Unmitigated)

Yolo/Solano AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	548.00	Space	0.00	246,000.00	0
Parking Lot	145.00	Space	1.30	87,000.00	0
Apartments Mid Rise	264.00	Dwelling Unit	2.30	264,000.00	894
Regional Shopping Center	102.80	1000sqft	0.00	102,800.00	0
Regional Shopping Center	34.00	1000sqft	0.78	34,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

University Commons Project (Unmitigated) - Yolo/Solano AQMD Air District, Annual

Project Characteristics - PG&E RPS

Land Use - applicant provided

Construction Phase - applicant provided

Off-road Equipment -

Trips and VMT -

On-road Fugitive Dust - YSAQMD Standard

Demolition -

Grading - applicant provided

Vehicle Trips - adjusted per traffic report

Road Dust - Per Chiles Road

Woodstoves - per applicant

Energy Use - Adjusted per 2019 CBSC

Construction Off-road Equipment Mitigation - per AQ questionnaire

Mobile Land Use Mitigation -

Area Mitigation - per YSAQMD rules and regulations

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	5.00	32.00
tblConstructionPhase	NumDays	8.00	93.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	230.00	608.00

tblConstructionPhase	NumDays	18.00	608.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24E	332.81	309.51
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	5,484.45	5,100.54
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	46.50	8.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	219,200.00	246,000.00
tblLandUse	LandUseSquareFeet	58,000.00	87,000.00
tblLandUse	LotAcreage	4.93	0.00
tblLandUse	LotAcreage	6.95	2.30
tblLandUse	LotAcreage	2.36	0.00
tblLandUse	Population	755.00	894.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripNumber	563.00	562.00
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	HO_TL	7.00	10.88
tblVehicleTrips	HS_TL	5.00	7.78
tblVehicleTrips	HW_TL	10.00	15.54

tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	49.97	54.06
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	25.24	54.06
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	42.70	54.06

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.9553	5.1142	3.8031	9.4100e-003	0.8642	0.2193	1.0835	0.3854	0.2039	0.5893	0.0000	843.0913	843.0913	0.1483	0.0000	846.7991
2022	2.2540	5.1786	5.3175	0.0164	0.7240	0.1706	0.8946	0.1953	0.1614	0.3567	0.0000	1,480.1886	1,480.1886	0.1437	0.0000	1,483.7822
2023	0.8709	1.6865	1.8957	5.9500e-003	0.2697	0.0541	0.3238	0.0727	0.0512	0.1240	0.0000	537.4618	537.4618	0.0489	0.0000	538.6852
Maximum	**2.2540**	**5.1786**	**5.3175**	**0.0164**	**0.8642**	**0.2193**	**1.0835**	**0.3854**	**0.2039**	**0.5893**	**0.0000**	**1,480.1886**	**1,480.1886**	**0.1483**	**0.0000**	**1,483.7822**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.9553	5.1142	3.8031	9.4100e-003	0.8642	0.2193	1.0835	0.3854	0.2039	0.5893	0.0000	843.0908	843.0908	0.1483	0.0000	846.7985
2022	2.2540	5.1786	5.3175	0.0164	0.7240	0.1706	0.8946	0.1953	0.1614	0.3567	0.0000	1,480.1880	1,480.1880	0.1437	0.0000	1,483.7816
2023	0.8709	1.6865	1.8957	5.9500e-003	0.2697	0.0541	0.3238	0.0727	0.0512	0.1240	0.0000	537.4616	537.4616	0.0489	0.0000	538.6850
Maximum	**2.2540**	**5.1786**	**5.3175**	**0.0164**	**0.8642**	**0.2193**	**1.0835**	**0.3854**	**0.2039**	**0.5893**	**0.0000**	**1,480.1880**	**1,480.1880**	**0.1483**	**0.0000**	**1,483.7816**

University Commons Project (Unmitigated) - Yolo/Solano AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-1-2021**	**4-30-2021**	1.5955	1.5955
2	**5-1-2021**	**7-31-2021**	1.6205	1.6205
3	**8-1-2021**	**10-31-2021**	1.5217	1.5217
4	**11-1-2021**	**1-31-2022**	1.9711	1.9711
5	**2-1-2022**	**4-30-2022**	1.8169	1.8169
6	**5-1-2022**	**7-31-2022**	1.8716	1.8716
7	**8-1-2022**	**10-31-2022**	1.8749	1.8749
8	**11-1-2022**	**1-31-2023**	1.8245	1.8245
9	**2-1-2023**	**4-30-2023**	1.6540	1.6540
10	**5-1-2023**	**7-31-2023**	0.3339	0.3339
		Highest	1.9711	1.9711

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	26.4449	0.4554	32.2961	0.0549		4.2639	4.2639		4.2639	4.2639	405.3564	117.5836	522.9400	0.3820	0.0308	541.6535
Energy	0.0130	0.1116	0.0521	7.1000e-004		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	563.9223	563.9223	0.0538	0.0130	569.1365
Mobile	2.3245	16.6686	24.5127	0.1147	8.5771	0.0755	8.6526	2.3090	0.0705	2.3796	0.0000	10,608.6722	10,608.6722	0.4420	0.0000	10,619.7218
Waste						0.0000	0.0000		0.0000	0.0000	53.8088	0.0000	53.8088	3.1800	0.0000	133.3091
Water						0.0000	0.0000		0.0000	0.0000	8.6718	23.1528	31.8246	0.8934	0.0216	60.5951
Total	**28.7823**	**17.2355**	**56.8608**	**0.1703**	**8.5771**	**4.3484**	**12.9255**	**2.3090**	**4.3434**	**6.6525**	**467.8370**	**11,313.3309**	**11,781.1679**	**4.9512**	**0.0653**	**11,924.4160**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7967	0.0226	1.9670	1.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	3.2168	3.2168	3.1100e-003	0.0000	3.2946
Energy	0.0130	0.1116	0.0521	7.1000e-004		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	215.5168	215.5168	0.0127	4.4800e-003	217.1701
Mobile	2.3245	16.6686	24.5127	0.1147	8.5771	0.0755	8.6526	2.3090	0.0705	2.3796	0.0000	10,608.6722	10,608.6722	0.4420	0.0000	10,619.7218
Waste						0.0000	0.0000		0.0000	0.0000	53.8088	0.0000	53.8088	3.1800	0.0000	133.3091
Water						0.0000	0.0000		0.0000	0.0000	6.9374	19.4476	26.3850	0.7148	0.0173	49.4109
Total	**4.1341**	**16.8028**	**26.5318**	**0.1155**	**8.5771**	**0.0953**	**8.6724**	**2.3090**	**0.0904**	**2.3994**	**60.7462**	**10,846.8534**	**10,907.5997**	**4.3527**	**0.0218**	**11,022.9065**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**85.64**	**2.51**	**53.34**	**32.18**	**0.00**	**97.81**	**32.90**	**0.00**	**97.92**	**63.93**	**87.02**	**4.12**	**7.41**	**12.09**	**66.66**	**7.56**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	5/1/2021	7	90	
2	Site Preparation	Site Preparation	5/2/2021	6/2/2021	7	32	
3	Grading	Grading	6/3/2021	9/3/2021	7	93	
4	Paving	Paving	9/4/2021	9/13/2021	7	10	
5	Building Construction	Building Construction	9/14/2021	5/14/2023	7	608	
6	Architectural Coating	Architectural Coating	9/28/2021	5/28/2023	7	608	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 1.3

Residential Indoor: 534,600; Residential Outdoor: 178,200; Non-Residential Indoor: 205,200; Non-Residential Outdoor: 68,400; Striped Parking Area: 19,980 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	412.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	562.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	374.00	105.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0523	0.0000	0.0523	7.9100e-003	0.0000	7.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	1.4148	0.9704	1.7500e-003		0.0698	0.0698		0.0649	0.0649	0.0000	153.0035	153.0035	0.0431	0.0000	154.0801
Total	**0.1424**	**1.4148**	**0.9704**	**1.7500e-003**	**0.0523**	**0.0698**	**0.1221**	**7.9100e-003**	**0.0649**	**0.0728**	**0.0000**	**153.0035**	**153.0035**	**0.0431**	**0.0000**	**154.0801**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5400e-003	0.0512	8.5900e-003	1.7000e-004	3.5000e-003	1.7000e-004	3.6700e-003	9.6000e-004	1.7000e-004	1.1300e-003	0.0000	15.8333	15.8333	6.4000e-004	0.0000	15.8492
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1900e-003	1.4200e-003	0.0148	5.0000e-005	4.9700e-003	3.0000e-005	5.0000e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.3703	4.3703	1.0000e-004	0.0000	4.3729
Total	**3.7300e-003**	**0.0526**	**0.0234**	**2.2000e-004**	**8.4700e-003**	**2.0000e-004**	**8.6700e-003**	**2.2800e-003**	**2.0000e-004**	**2.4800e-003**	**0.0000**	**20.2036**	**20.2036**	**7.4000e-004**	**0.0000**	**20.2221**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0523	0.0000	0.0523	7.9100e-003	0.0000	7.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	1.4148	0.9704	1.7500e-003		0.0698	0.0698		0.0649	0.0649	0.0000	153.0034	153.0034	0.0431	0.0000	154.0800
Total	**0.1424**	**1.4148**	**0.9704**	**1.7500e-003**	**0.0523**	**0.0698**	**0.1221**	**7.9100e-003**	**0.0649**	**0.0728**	**0.0000**	**153.0034**	**153.0034**	**0.0431**	**0.0000**	**154.0800**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5400e-003	0.0512	8.5900e-003	1.7000e-004	3.5000e-003	1.7000e-004	3.6700e-003	9.6000e-004	1.7000e-004	1.1300e-003	0.0000	15.8333	15.8333	6.4000e-004	0.0000	15.8492
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1900e-003	1.4200e-003	0.0148	5.0000e-005	4.9700e-003	3.0000e-005	5.0000e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.3703	4.3703	1.0000e-004	0.0000	4.3729
Total	**3.7300e-003**	**0.0526**	**0.0234**	**2.2000e-004**	**8.4700e-003**	**2.0000e-004**	**8.6700e-003**	**2.2800e-003**	**2.0000e-004**	**2.4800e-003**	**0.0000**	**20.2036**	**20.2036**	**7.4000e-004**	**0.0000**	**20.2221**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2898	0.0000	0.2898	0.1590	0.0000	0.1590	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.6480	0.3385	6.1000e-004		0.0327	0.0327		0.0301	0.0301	0.0000	53.4972	53.4972	0.0173	0.0000	53.9297
Total	**0.0622**	**0.6480**	**0.3385**	**6.1000e-004**	**0.2898**	**0.0327**	**0.3225**	**0.1590**	**0.0301**	**0.1891**	**0.0000**	**53.4972**	**53.4972**	**0.0173**	**0.0000**	**53.9297**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-003	0.0466	7.8200e-003	1.5000e-004	3.1800e-003	1.6000e-004	3.3400e-003	8.7000e-004	1.5000e-004	1.0300e-003	0.0000	14.4114	14.4114	5.8000e-004	0.0000	14.4259
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.1000e-004	6.3300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.8647	1.8647	4.0000e-005	0.0000	1.8658
Total	**2.3300e-003**	**0.0472**	**0.0142**	**1.7000e-004**	**5.3000e-003**	**1.7000e-004**	**5.4700e-003**	**1.4300e-003**	**1.6000e-004**	**1.6100e-003**	**0.0000**	**16.2761**	**16.2761**	**6.2000e-004**	**0.0000**	**16.2916**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2898	0.0000	0.2898	0.1590	0.0000	0.1590	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.6480	0.3385	6.1000e-004		0.0327	0.0327		0.0301	0.0301	0.0000	53.4971	53.4971	0.0173	0.0000	53.9296
Total	**0.0622**	**0.6480**	**0.3385**	**6.1000e-004**	**0.2898**	**0.0327**	**0.3225**	**0.1590**	**0.0301**	**0.1891**	**0.0000**	**53.4971**	**53.4971**	**0.0173**	**0.0000**	**53.9296**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-003	0.0466	7.8200e-003	1.5000e-004	3.1800e-003	1.6000e-004	3.3400e-003	8.7000e-004	1.5000e-004	1.0300e-003	0.0000	14.4114	14.4114	5.8000e-004	0.0000	14.4259
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	6.1000e-004	6.3300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.8647	1.8647	4.0000e-005	0.0000	1.8658
Total	**2.3300e-003**	**0.0472**	**0.0142**	**1.7000e-004**	**5.3000e-003**	**1.7000e-004**	**5.4700e-003**	**1.4300e-003**	**1.6000e-004**	**1.6100e-003**	**0.0000**	**16.2761**	**16.2761**	**6.2000e-004**	**0.0000**	**16.2916**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2854	0.0000	0.2854	0.1546	0.0000	0.1546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1065	1.1503	0.7374	1.3800e-003		0.0539	0.0539		0.0496	0.0496	0.0000	121.1497	121.1497	0.0392	0.0000	122.1293
Total	**0.1065**	**1.1503**	**0.7374**	**1.3800e-003**	**0.2854**	**0.0539**	**0.3393**	**0.1546**	**0.0496**	**0.2042**	**0.0000**	**121.1497**	**121.1497**	**0.0392**	**0.0000**	**122.1293**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-003	0.0698	0.0117	2.3000e-004	4.7700e-003	2.4000e-004	5.0000e-003	1.3100e-003	2.3000e-004	1.5400e-003	0.0000	21.5979	21.5979	8.7000e-004	0.0000	21.6196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.4700e-003	0.0153	5.0000e-005	5.1300e-003	4.0000e-005	5.1700e-003	1.3600e-003	3.0000e-005	1.4000e-003	0.0000	4.5160	4.5160	1.1000e-004	0.0000	4.5186
Total	**4.3600e-003**	**0.0713**	**0.0271**	**2.8000e-004**	**9.9000e-003**	**2.8000e-004**	**0.0102**	**2.6700e-003**	**2.6000e-004**	**2.9400e-003**	**0.0000**	**26.1139**	**26.1139**	**9.8000e-004**	**0.0000**	**26.1382**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2854	0.0000	0.2854	0.1546	0.0000	0.1546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1065	1.1503	0.7374	1.3800e-003		0.0539	0.0539		0.0496	0.0496	0.0000	121.1496	121.1496	0.0392	0.0000	122.1291
Total	**0.1065**	**1.1503**	**0.7374**	**1.3800e-003**	**0.2854**	**0.0539**	**0.3393**	**0.1546**	**0.0496**	**0.2042**	**0.0000**	**121.1496**	**121.1496**	**0.0392**	**0.0000**	**122.1291**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-003	0.0698	0.0117	2.3000e-004	4.7700e-003	2.4000e-004	5.0000e-003	1.3100e-003	2.3000e-004	1.5400e-003	0.0000	21.5979	21.5979	8.7000e-004	0.0000	21.6196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2600e-003	1.4700e-003	0.0153	5.0000e-005	5.1300e-003	4.0000e-005	5.1700e-003	1.3600e-003	3.0000e-005	1.4000e-003	0.0000	4.5160	4.5160	1.1000e-004	0.0000	4.5186
Total	**4.3600e-003**	**0.0713**	**0.0271**	**2.8000e-004**	**9.9000e-003**	**2.8000e-004**	**0.0102**	**2.6700e-003**	**2.6000e-004**	**2.9400e-003**	**0.0000**	**26.1139**	**26.1139**	**9.8000e-004**	**0.0000**	**26.1382**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4700e-003	0.0542	0.0613	9.0000e-005		2.8900e-003	2.8900e-003		2.6700e-003	2.6700e-003	0.0000	8.1853	8.1853	2.5700e-003	0.0000	8.2496
Paving	1.7000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.1700e-003**	**0.0542**	**0.0613**	**9.0000e-005**		**2.8900e-003**	**2.8900e-003**		**2.6700e-003**	**2.6700e-003**	**0.0000**	**8.1853**	**8.1853**	**2.5700e-003**	**0.0000**	**8.2496**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.2000e-003	1.0000e-005	7.4000e-004	1.0000e-005	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6475	0.6475	2.0000e-005	0.0000	0.6478
Total	**3.2000e-004**	**2.1000e-004**	**2.2000e-003**	**1.0000e-005**	**7.4000e-004**	**1.0000e-005**	**7.4000e-004**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**0.6475**	**0.6475**	**2.0000e-005**	**0.0000**	**0.6478**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4700e-003	0.0542	0.0613	9.0000e-005		2.8900e-003	2.8900e-003		2.6700e-003	2.6700e-003	0.0000	8.1853	8.1853	2.5700e-003	0.0000	8.2496
Paving	1.7000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.1700e-003**	**0.0542**	**0.0613**	**9.0000e-005**		**2.8900e-003**	**2.8900e-003**		**2.6700e-003**	**2.6700e-003**	**0.0000**	**8.1853**	**8.1853**	**2.5700e-003**	**0.0000**	**8.2496**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.2000e-003	1.0000e-005	7.4000e-004	1.0000e-005	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6475	0.6475	2.0000e-005	0.0000	0.6478
Total	**3.2000e-004**	**2.1000e-004**	**2.2000e-003**	**1.0000e-005**	**7.4000e-004**	**1.0000e-005**	**7.4000e-004**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**0.6475**	**0.6475**	**2.0000e-005**	**0.0000**	**0.6478**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1036	0.9501	0.9034	1.4700e-003		0.0522	0.0522		0.0491	0.0491	0.0000	126.2423	126.2423	0.0305	0.0000	127.0037
Total	**0.1036**	**0.9501**	**0.9034**	**1.4700e-003**		**0.0522**	**0.0522**		**0.0491**	**0.0491**	**0.0000**	**126.2423**	**126.2423**	**0.0305**	**0.0000**	**127.0037**

3.6 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0170	0.6026	0.1126	1.5900e-003	0.0362	1.4100e-003	0.0376	0.0105	1.3500e-003	0.0118	0.0000	150.6085	150.6085	8.9100e-003	0.0000	150.8312
Worker	0.0661	0.0430	0.4481	1.4600e-003	0.1500	1.0300e-003	0.1510	0.0399	9.5000e-004	0.0408	0.0000	131.9704	131.9704	3.1000e-003	0.0000	132.0478
Total	**0.0831**	**0.6456**	**0.5607**	**3.0500e-003**	**0.1861**	**2.4400e-003**	**0.1886**	**0.0503**	**2.3000e-003**	**0.0526**	**0.0000**	**282.5789**	**282.5789**	**0.0120**	**0.0000**	**282.8790**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1036	0.9501	0.9034	1.4700e-003		0.0522	0.0522		0.0491	0.0491	0.0000	126.2422	126.2422	0.0305	0.0000	127.0036
Total	**0.1036**	**0.9501**	**0.9034**	**1.4700e-003**		**0.0522**	**0.0522**		**0.0491**	**0.0491**	**0.0000**	**126.2422**	**126.2422**	**0.0305**	**0.0000**	**127.0036**

3.6 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0170	0.6026	0.1126	1.5900e-003	0.0362	1.4100e-003	0.0376	0.0105	1.3500e-003	0.0118	0.0000	150.6085	150.6085	8.9100e-003	0.0000	150.8312
Worker	0.0661	0.0430	0.4481	1.4600e-003	0.1500	1.0300e-003	0.1510	0.0399	9.5000e-004	0.0408	0.0000	131.9704	131.9704	3.1000e-003	0.0000	132.0478
Total	**0.0831**	**0.6456**	**0.5607**	**3.0500e-003**	**0.1861**	**2.4400e-003**	**0.1886**	**0.0503**	**2.3000e-003**	**0.0526**	**0.0000**	**282.5789**	**282.5789**	**0.0120**	**0.0000**	**282.8790**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3114	2.8499	2.9863	4.9200e-003		0.1477	0.1477		0.1389	0.1389	0.0000	422.8986	422.8986	0.1013	0.0000	425.4314
Total	**0.3114**	**2.8499**	**2.9863**	**4.9200e-003**		**0.1477**	**0.1477**		**0.1389**	**0.1389**	**0.0000**	**422.8986**	**422.8986**	**0.1013**	**0.0000**	**425.4314**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0528	1.9165	0.3468	5.2600e-003	0.1211	4.0500e-003	0.1251	0.0350	3.8700e-003	0.0389	0.0000	499.5348	499.5348	0.0282	0.0000	500.2404
Worker	0.2067	0.1292	1.3772	4.7100e-003	0.5022	3.3600e-003	0.5056	0.1336	3.0900e-003	0.1367	0.0000	425.7755	425.7755	9.3100e-003	0.0000	426.0082
Total	**0.2595**	**2.0457**	**1.7240**	**9.9700e-003**	**0.6233**	**7.4100e-003**	**0.6307**	**0.1685**	**6.9600e-003**	**0.1755**	**0.0000**	**925.3104**	**925.3104**	**0.0375**	**0.0000**	**926.2486**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3114	2.8499	2.9863	4.9200e-003		0.1476	0.1476		0.1389	0.1389	0.0000	422.8981	422.8981	0.1013	0.0000	425.4309
Total	**0.3114**	**2.8499**	**2.9863**	**4.9200e-003**		**0.1476**	**0.1476**		**0.1389**	**0.1389**	**0.0000**	**422.8981**	**422.8981**	**0.1013**	**0.0000**	**425.4309**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0528	1.9165	0.3468	5.2600e-003	0.1211	4.0500e-003	0.1251	0.0350	3.8700e-003	0.0389	0.0000	499.5348	499.5348	0.0282	0.0000	500.2404
Worker	0.2067	0.1292	1.3772	4.7100e-003	0.5022	3.3600e-003	0.5056	0.1336	3.0900e-003	0.1367	0.0000	425.7755	425.7755	9.3100e-003	0.0000	426.0082
Total	**0.2595**	**2.0457**	**1.7240**	**9.9700e-003**	**0.6233**	**7.4100e-003**	**0.6307**	**0.1685**	**6.9600e-003**	**0.1755**	**0.0000**	**925.3104**	**925.3104**	**0.0375**	**0.0000**	**926.2486**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1054	0.9638	1.0884	1.8100e-003		0.0469	0.0469		0.0441	0.0441	0.0000	155.3092	155.3092	0.0370	0.0000	156.2328
Total	**0.1054**	**0.9638**	**1.0884**	**1.8100e-003**		**0.0469**	**0.0469**		**0.0441**	**0.0441**	**0.0000**	**155.3092**	**155.3092**	**0.0370**	**0.0000**	**156.2328**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.5742	0.1066	1.8900e-003	0.0444	5.4000e-004	0.0450	0.0128	5.2000e-004	0.0134	0.0000	179.6129	179.6129	7.1200e-003	0.0000	179.7908
Worker	0.0710	0.0427	0.4640	1.6600e-003	0.1844	1.2000e-003	0.1856	0.0490	1.1100e-003	0.0501	0.0000	150.3461	150.3461	3.0600e-003	0.0000	150.4227
Total	**0.0851**	**0.6168**	**0.5705**	**3.5500e-003**	**0.2288**	**1.7400e-003**	**0.2306**	**0.0619**	**1.6300e-003**	**0.0635**	**0.0000**	**329.9590**	**329.9590**	**0.0102**	**0.0000**	**330.2135**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1054	0.9638	1.0884	1.8100e-003		0.0469	0.0469		0.0441	0.0441	0.0000	155.3090	155.3090	0.0370	0.0000	156.2326
Total	**0.1054**	**0.9638**	**1.0884**	**1.8100e-003**		**0.0469**	**0.0469**		**0.0441**	**0.0441**	**0.0000**	**155.3090**	**155.3090**	**0.0370**	**0.0000**	**156.2326**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.5742	0.1066	1.8900e-003	0.0444	5.4000e-004	0.0450	0.0128	5.2000e-004	0.0134	0.0000	179.6129	179.6129	7.1200e-003	0.0000	179.7908
Worker	0.0710	0.0427	0.4640	1.6600e-003	0.1844	1.2000e-003	0.1856	0.0490	1.1100e-003	0.0501	0.0000	150.3461	150.3461	3.0600e-003	0.0000	150.4227
Total	**0.0851**	**0.6168**	**0.5705**	**3.5500e-003**	**0.2288**	**1.7400e-003**	**0.2306**	**0.0619**	**1.6300e-003**	**0.0635**	**0.0000**	**329.9590**	**329.9590**	**0.0102**	**0.0000**	**330.2135**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0725	0.0863	1.4000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	12.1280	12.1280	8.3000e-004	0.0000	12.1488
Total	**0.4280**	**0.0725**	**0.0863**	**1.4000e-004**		**4.4700e-003**	**4.4700e-003**		**4.4700e-003**	**4.4700e-003**	**0.0000**	**12.1280**	**12.1280**	**8.3000e-004**	**0.0000**	**12.1488**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0116	7.5100e-003	0.0783	2.6000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.7000e-004	7.1400e-003	0.0000	23.0655	23.0655	5.4000e-004	0.0000	23.0791
Total	**0.0116**	**7.5100e-003**	**0.0783**	**2.6000e-004**	**0.0262**	**1.8000e-004**	**0.0264**	**6.9700e-003**	**1.7000e-004**	**7.1400e-003**	**0.0000**	**23.0655**	**23.0655**	**5.4000e-004**	**0.0000**	**23.0791**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0725	0.0863	1.4000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003	0.0000	12.1279	12.1279	8.3000e-004	0.0000	12.1488
Total	**0.4280**	**0.0725**	**0.0863**	**1.4000e-004**		**4.4700e-003**	**4.4700e-003**		**4.4700e-003**	**4.4700e-003**	**0.0000**	**12.1279**	**12.1279**	**8.3000e-004**	**0.0000**	**12.1488**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0116	7.5100e-003	0.0783	2.6000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.7000e-004	7.1400e-003	0.0000	23.0655	23.0655	5.4000e-004	0.0000	23.0791
Total	**0.0116**	**7.5100e-003**	**0.0783**	**2.6000e-004**	**0.0262**	**1.8000e-004**	**0.0264**	**6.9700e-003**	**1.7000e-004**	**7.1400e-003**	**0.0000**	**23.0655**	**23.0655**	**5.4000e-004**	**0.0000**	**23.0791**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6044					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0373	0.2571	0.3310	5.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	46.5969	46.5969	3.0300e-003	0.0000	46.6727
Total	**1.6417**	**0.2571**	**0.3310**	**5.4000e-004**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**46.5969**	**46.5969**	**3.0300e-003**	**0.0000**	**46.6727**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0259	0.2762	9.4000e-004	0.1007	6.7000e-004	0.1014	0.0268	6.2000e-004	0.0274	0.0000	85.3828	85.3828	1.8700e-003	0.0000	85.4295
Total	**0.0415**	**0.0259**	**0.2762**	**9.4000e-004**	**0.1007**	**6.7000e-004**	**0.1014**	**0.0268**	**6.2000e-004**	**0.0274**	**0.0000**	**85.3828**	**85.3828**	**1.8700e-003**	**0.0000**	**85.4295**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6044					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0373	0.2571	0.3310	5.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	46.5968	46.5968	3.0300e-003	0.0000	46.6727
Total	**1.6417**	**0.2571**	**0.3310**	**5.4000e-004**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**46.5968**	**46.5968**	**3.0300e-003**	**0.0000**	**46.6727**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0259	0.2762	9.4000e-004	0.1007	6.7000e-004	0.1014	0.0268	6.2000e-004	0.0274	0.0000	85.3828	85.3828	1.8700e-003	0.0000	85.4295
Total	**0.0415**	**0.0259**	**0.2762**	**9.4000e-004**	**0.1007**	**6.7000e-004**	**0.1014**	**0.0268**	**6.2000e-004**	**0.0274**	**0.0000**	**85.3828**	**85.3828**	**1.8700e-003**	**0.0000**	**85.4295**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6505					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0142	0.0964	0.1340	2.2000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003	0.0000	18.8941	18.8941	1.1300e-003	0.0000	18.9223
Total	**0.6647**	**0.0964**	**0.1340**	**2.2000e-004**		**5.2400e-003**	**5.2400e-003**		**5.2400e-003**	**5.2400e-003**	**0.0000**	**18.8941**	**18.8941**	**1.1300e-003**	**0.0000**	**18.9223**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0157	9.4500e-003	0.1028	3.7000e-004	0.0408	2.7000e-004	0.0411	0.0109	2.5000e-004	0.0111	0.0000	33.2996	33.2996	6.8000e-004	0.0000	33.3166
Total	**0.0157**	**9.4500e-003**	**0.1028**	**3.7000e-004**	**0.0408**	**2.7000e-004**	**0.0411**	**0.0109**	**2.5000e-004**	**0.0111**	**0.0000**	**33.2996**	**33.2996**	**6.8000e-004**	**0.0000**	**33.3166**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6505					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0142	0.0964	0.1340	2.2000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003	0.0000	18.8941	18.8941	1.1300e-003	0.0000	18.9223
Total	**0.6647**	**0.0964**	**0.1340**	**2.2000e-004**		**5.2400e-003**	**5.2400e-003**		**5.2400e-003**	**5.2400e-003**	**0.0000**	**18.8941**	**18.8941**	**1.1300e-003**	**0.0000**	**18.9223**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0157	9.4500e-003	0.1028	3.7000e-004	0.0408	2.7000e-004	0.0411	0.0109	2.5000e-004	0.0111	0.0000	33.2996	33.2996	6.8000e-004	0.0000	33.3166
Total	**0.0157**	**9.4500e-003**	**0.1028**	**3.7000e-004**	**0.0408**	**2.7000e-004**	**0.0411**	**0.0109**	**2.5000e-004**	**0.0111**	**0.0000**	**33.2996**	**33.2996**	**6.8000e-004**	**0.0000**	**33.3166**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3245	16.6686	24.5127	0.1147	8.5771	0.0755	8.6526	2.3090	0.0705	2.3796	0.0000	10,608.6722	10,608.6722	0.4420	0.0000	10,619.7218
Unmitigated	2.3245	16.6686	24.5127	0.1147	8.5771	0.0755	8.6526	2.3090	0.0705	2.3796	0.0000	10,608.6722	10,608.6722	0.4420	0.0000	10,619.7218

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,573.44	1,573.44	1573.44	6,416,767	6,416,767
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,557.37	5,557.37	5557.37	12,251,098	12,251,098
Regional Shopping Center	1,838.04	1,838.04	1838.04	4,051,920	4,051,920
Total	8,968.85	8,968.85	8,968.85	22,719,785	22,719,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	15.54	7.78	10.88	46.00	13.00	41.00	86	11	3
Enclosed Parking with Elevator	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Parking Lot	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Enclosed Parking with Elevator	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Parking Lot	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	87.1014	87.1014	0.0103	2.1300e-003	87.9916
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	435.5069	435.5069	0.0514	0.0106	439.9580
NaturalGas Mitigated	0.0130	0.1116	0.0521	7.1000e-004		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	128.4154	128.4154	2.4600e-003	2.3500e-003	129.1785
NaturalGas Unmitigated	0.0130	0.1116	0.0521	7.1000e-004		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	128.4154	128.4154	2.4600e-003	2.3500e-003	129.1785

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.17946e+006	0.0118	0.1004	0.0427	6.4000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.3044	116.3044	2.2300e-003	2.1300e-003	116.9955
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	170545	9.2000e-004	8.3600e-003	7.0200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1009	9.1009	1.7000e-004	1.7000e-004	9.1550
Regional Shopping Center	56406	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0100	3.0100	6.0000e-005	6.0000e-005	3.0279
Total		**0.0130**	**0.1116**	**0.0521**	**7.1000e-004**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**128.4154**	**128.4154**	**2.4600e-003**	**2.3600e-003**	**129.1785**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.17946e+006	0.0118	0.1004	0.0427	6.4000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.3044	116.3044	2.2300e-003	2.1300e-003	116.9955
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	170545	9.2000e-004	8.3600e-003	7.0200e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1009	9.1009	1.7000e-004	1.7000e-004	9.1550
Regional Shopping Center	56406	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0100	3.0100	6.0000e-005	6.0000e-005	3.0279
Total		**0.0130**	**0.1116**	**0.0521**	**7.1000e-004**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**128.4154**	**128.4154**	**2.4600e-003**	**2.3600e-003**	**129.1785**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.08373e+006	120.8681	0.0143	2.9500e-003	122.1034
Enclosed Parking with Elevator	1.44156e+006	160.7762	0.0190	3.9200e-003	162.4194
Parking Lot	30450	3.3961	4.0000e-004	8.0000e-005	3.4308
Regional Shopping Center	1.01381e+006	113.0699	0.0133	2.7600e-003	114.2255
Regional Shopping Center	335308	37.3967	4.4100e-003	9.1000e-004	37.7789
Total		**435.5069**	**0.0514**	**0.0106**	**439.9580**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	216747	24.1736	2.8500e-003	5.9000e-004	24.4207
Enclosed Parking with Elevator	288312	32.1552	3.7900e-003	7.8000e-004	32.4839
Parking Lot	6090	0.6792	8.0000e-005	2.0000e-005	0.6862
Regional Shopping Center	202763	22.6140	2.6700e-003	5.5000e-004	22.8451
Regional Shopping Center	67061.6	7.4793	8.8000e-004	1.8000e-004	7.5558
Total		**87.1014**	**0.0103**	**2.1200e-003**	**87.9916**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7967	0.0226	1.9670	1.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	3.2168	3.2168	3.1100e-003	0.0000	3.2946
Unmitigated	26.4449	0.4554	32.2961	0.0549		4.2639	4.2639		4.2639	4.2639	405.3564	117.5836	522.9400	0.3820	0.0308	541.6535

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5869					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	24.5312	0.4327	30.3290	0.0548		4.2530	4.2530		4.2530	4.2530	405.3564	114.3668	519.7232	0.3788	0.0308	538.3589
Landscaping	0.0596	0.0226	1.9670	1.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	3.2168	3.2168	3.1100e-003	0.0000	3.2946
Total	**26.4449**	**0.4553**	**32.2961**	**0.0549**		**4.2639**	**4.2639**		**4.2639**	**4.2639**	**405.3564**	**117.5836**	**522.9400**	**0.3820**	**0.0308**	**541.6535**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4698					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0596	0.0226	1.9670	1.0000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	3.2168	3.2168	3.1100e-003	0.0000	3.2946
Total	**1.7967**	**0.0226**	**1.9670**	**1.0000e-004**		**0.0109**	**0.0109**		**0.0109**	**0.0109**	**0.0000**	**3.2168**	**3.2168**	**3.1100e-003**	**0.0000**	**3.2946**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.3850	0.7148	0.0173	49.4109
Unmitigated	31.8246	0.8934	0.0216	60.5951

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.2007 / 10.8439	20.0703	0.5622	0.0136	38.1755
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	10.1331 / 6.21062	11.7543	0.3312	8.0000e-003	22.4196
Total		**31.8246**	**0.8934**	**0.0216**	**60.5951**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	13.7605 / 10.1824	16.6446	0.4498	0.0109	31.1348
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	8.1065 / 5.83177	9.7404	0.2650	6.4100e-003	18.2761
Total		**26.3850**	**0.7148**	**0.0173**	**49.4109**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	53.8088	3.1800	0.0000	133.3091
Unmitigated	53.8088	3.1800	0.0000	133.3091

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	121.44	24.6512	1.4569	0.0000	61.0724
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	143.64	29.1576	1.7232	0.0000	72.2368
Total		**53.8088**	**3.1800**	**0.0000**	**133.3091**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	121.44	24.6512	1.4569	0.0000	61.0724
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	143.64	29.1576	1.7232	0.0000	72.2368
Total		**53.8088**	**3.1800**	**0.0000**	**133.3091**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Commons Project (Unmitigated)

Yolo/Solano AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	548.00	Space	0.00	246,000.00	0
Parking Lot	145.00	Space	1.30	87,000.00	0
Apartments Mid Rise	264.00	Dwelling Unit	2.30	264,000.00	894
Regional Shopping Center	102.80	1000sqft	0.00	102,800.00	0
Regional Shopping Center	34.00	1000sqft	0.78	34,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

University Commons Project (Unmitigated) - Yolo/Solano AQMD Air District, Summer

Project Characteristics - PG&E RPS

Land Use - applicant provided

Construction Phase - applicant provided

Off-road Equipment -

Trips and VMT -

On-road Fugitive Dust - YSAQMD Standard

Demolition -

Grading - applicant provided

Vehicle Trips - adjusted per traffic report

Road Dust - Per Chiles Road

Woodstoves - per applicant

Energy Use - Adjusted per 2019 CBSC

Construction Off-road Equipment Mitigation - per AQ questionnaire

Mobile Land Use Mitigation -

Area Mitigation - per YSAQMD rules and regulations

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	5.00	32.00
tblConstructionPhase	NumDays	8.00	93.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	230.00	608.00

tblConstructionPhase	NumDays	18.00	608.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24E	332.81	309.51
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	5,484.45	5,100.54
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	46.50	8.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	219,200.00	246,000.00
tblLandUse	LandUseSquareFeet	58,000.00	87,000.00
tblLandUse	LotAcreage	4.93	0.00
tblLandUse	LotAcreage	6.95	2.30
tblLandUse	LotAcreage	2.36	0.00
tblLandUse	Population	755.00	894.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripNumber	563.00	562.00
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	HO_TL	7.00	10.88
tblVehicleTrips	HS_TL	5.00	7.78
tblVehicleTrips	HW_TL	10.00	15.54

tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	49.97	54.06
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	25.24	54.06
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	42.70	54.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	12.8677	43.3622	31.6355	0.0947	18.4539	2.0551	20.5090	10.0301	1.8910	11.9211	0.0000	9,442.3737	9,442.3737	1.2333	0.0000	9,464.5984
2022	12.5247	28.1617	30.3598	0.0931	4.0971	0.9344	5.0316	1.1022	0.8839	1.9861	0.0000	9,285.5873	9,285.5873	0.8662	0.0000	9,307.2412
2023	12.1999	24.8613	29.1335	0.0912	4.0971	0.8001	4.8972	1.1022	0.7567	1.8589	0.0000	9,093.7492	9,093.7492	0.8024	0.0000	9,113.8087
Maximum	**12.8677**	**43.3622**	**31.6355**	**0.0947**	**18.4539**	**2.0551**	**20.5090**	**10.0301**	**1.8910**	**11.9211**	**0.0000**	**9,442.3737**	**9,442.3737**	**1.2333**	**0.0000**	**9,464.5984**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	12.8677	43.3622	31.6355	0.0947	18.4539	2.0551	20.5090	10.0301	1.8910	11.9211	0.0000	9,442.3737	9,442.3737	1.2333	0.0000	9,464.5984
2022	12.5247	28.1617	30.3598	0.0931	4.0971	0.9344	5.0316	1.1022	0.8839	1.9861	0.0000	9,285.5873	9,285.5873	0.8662	0.0000	9,307.2412
2023	12.1999	24.8613	29.1335	0.0912	4.0971	0.8001	4.8972	1.1022	0.7567	1.8589	0.0000	9,093.7492	9,093.7492	0.8024	0.0000	9,113.8087
Maximum	**12.8677**	**43.3622**	**31.6355**	**0.0947**	**18.4539**	**2.0551**	**20.5090**	**10.0301**	**1.8910**	**11.9211**	**0.0000**	**9,442.3737**	**9,442.3737**	**1.2333**	**0.0000**	**9,464.5984**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	609.1436	10.8053	761.5883	1.3374		103.8537	103.8537		103.8537	103.8537	10,898.2672	3,114.2229	14,012.4901	10.2234	0.8269	14,514.4761
Energy	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
Mobile	15.4760	89.5703	146.3400	0.6696	48.6812	0.4142	49.0954	13.0686	0.3870	13.4556		68,219.2864	68,219.2864	2.6717		68,286.0786
Total	**624.6906**	**100.9868**	**908.2137**	**2.0108**	**48.6812**	**104.3170**	**152.9982**	**13.0686**	**104.2898**	**117.3584**	**10,898.2672**	**72,109.1462**	**83,007.4134**	**12.9099**	**0.8411**	**83,580.8007**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.1806	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210	0.0000	39.3994	39.3994	0.0381	0.0000	40.3520
Energy	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
Mobile	15.4760	89.5703	146.3400	0.6696	48.6812	0.4142	49.0954	13.0686	0.3870	13.4556		68,219.2864	68,219.2864	2.6717		68,286.0786
Total	**25.7277**	**90.4331**	**168.4811**	**0.6746**	**48.6812**	**0.5843**	**49.2655**	**13.0686**	**0.5571**	**13.6257**	**0.0000**	**69,034.3227**	**69,034.3227**	**2.7247**	**0.0142**	**69,106.6766**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**95.88**	**10.45**	**81.45**	**66.45**	**0.00**	**99.44**	**67.80**	**0.00**	**99.47**	**88.39**	**100.00**	**4.26**	**16.83**	**78.89**	**98.31**	**17.32**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	5/1/2021	7	90	
2	Site Preparation	Site Preparation	5/2/2021	6/2/2021	7	32	
3	Grading	Grading	6/3/2021	9/3/2021	7	93	
4	Paving	Paving	9/4/2021	9/13/2021	7	10	
5	Building Construction	Building Construction	9/14/2021	5/14/2023	7	608	
6	Architectural Coating	Architectural Coating	9/28/2021	5/28/2023	7	608	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 1.3

Residential Indoor: 534,600; Residential Outdoor: 178,200; Non-Residential Indoor: 205,200; Non-Residential Outdoor: 68,400; Striped Parking Area: 19,980 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	412.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	562.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	374.00	105.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1614	0.0000	1.1614	0.1759	0.0000	0.1759			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.1614**	**1.5513**	**2.7127**	**0.1759**	**1.4411**	**1.6170**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0337	1.1059	0.1813	3.7400e-003	0.0800	3.7900e-003	0.0838	0.0219	3.6300e-003	0.0255		391.5275	391.5275	0.0148		391.8979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0284	0.3791	1.1800e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		117.5239	117.5239	2.7800e-003		117.5933
Total	**0.0889**	**1.1343**	**0.5603**	**4.9200e-003**	**0.1941**	**4.5500e-003**	**0.1986**	**0.0522**	**4.3300e-003**	**0.0565**		**509.0514**	**509.0514**	**0.0176**		**509.4912**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1614	0.0000	1.1614	0.1759	0.0000	0.1759			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.1614**	**1.5513**	**2.7127**	**0.1759**	**1.4411**	**1.6170**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0337	1.1059	0.1813	3.7400e-003	0.0800	3.7900e-003	0.0838	0.0219	3.6300e-003	0.0255		391.5275	391.5275	0.0148		391.8979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0284	0.3791	1.1800e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		117.5239	117.5239	2.7800e-003		117.5933
Total	**0.0889**	**1.1343**	**0.5603**	**4.9200e-003**	**0.1941**	**4.5500e-003**	**0.1986**	**0.0522**	**4.3300e-003**	**0.0565**		**509.0514**	**509.0514**	**0.0176**		**509.4912**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1122	0.0000	18.1122	9.9376	0.0000	9.9376			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.1122**	**2.0445**	**20.1567**	**9.9376**	**1.8809**	**11.8185**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0862	2.8311	0.4641	9.5600e-003	0.2047	9.7100e-003	0.2144	0.0561	9.2900e-003	0.0654		1,002.2794	1,002.2794	0.0379		1,003.2277
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0662	0.0340	0.4549	1.4100e-003	0.1369	9.1000e-004	0.1378	0.0363	8.4000e-004	0.0372		141.0287	141.0287	3.3300e-003		141.1120
Total	**0.1524**	**2.8651**	**0.9189**	**0.0110**	**0.3417**	**0.0106**	**0.3523**	**0.0924**	**0.0101**	**0.1026**		**1,143.3081**	**1,143.3081**	**0.0413**		**1,144.3397**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1122	0.0000	18.1122	9.9376	0.0000	9.9376			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.1122**	**2.0445**	**20.1567**	**9.9376**	**1.8809**	**11.8185**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0862	2.8311	0.4641	9.5600e-003	0.2047	9.7100e-003	0.2144	0.0561	9.2900e-003	0.0654		1,002.2794	1,002.2794	0.0379		1,003.2277
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0662	0.0340	0.4549	1.4100e-003	0.1369	9.1000e-004	0.1378	0.0363	8.4000e-004	0.0372		141.0287	141.0287	3.3300e-003		141.1120
Total	**0.1524**	**2.8651**	**0.9189**	**0.0110**	**0.3417**	**0.0106**	**0.3523**	**0.0924**	**0.0101**	**0.1026**		**1,143.3081**	**1,143.3081**	**0.0413**		**1,144.3397**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1370	0.0000	6.1370	3.3237	0.0000	3.3237			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.1370**	**1.1599**	**7.2970**	**3.3237**	**1.0671**	**4.3908**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0445	1.4599	0.2393	4.9300e-003	0.1056	5.0100e-003	0.1106	0.0289	4.7900e-003	0.0337		516.8457	516.8457	0.0196		517.3347
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0284	0.3791	1.1800e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		117.5239	117.5239	2.7800e-003		117.5933
Total	**0.0996**	**1.4883**	**0.6184**	**6.1100e-003**	**0.2197**	**5.7700e-003**	**0.2254**	**0.0592**	**5.4900e-003**	**0.0647**		**634.3696**	**634.3696**	**0.0223**		**634.9280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1370	0.0000	6.1370	3.3237	0.0000	3.3237			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.1370**	**1.1599**	**7.2970**	**3.3237**	**1.0671**	**4.3908**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0445	1.4599	0.2393	4.9300e-003	0.1056	5.0100e-003	0.1106	0.0289	4.7900e-003	0.0337		516.8457	516.8457	0.0196		517.3347
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0284	0.3791	1.1800e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		117.5239	117.5239	2.7800e-003		117.5933
Total	**0.0996**	**1.4883**	**0.6184**	**6.1100e-003**	**0.2197**	**5.7700e-003**	**0.2254**	**0.0592**	**5.4900e-003**	**0.0647**		**634.3696**	**634.3696**	**0.0223**		**634.9280**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342		1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4346**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**		**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0378	0.5054	1.5700e-003	0.1521	1.0100e-003	0.1532	0.0404	9.3000e-004	0.0413		156.6986	156.6986	3.7000e-003		156.7911
Total	**0.0736**	**0.0378**	**0.5054**	**1.5700e-003**	**0.1521**	**1.0100e-003**	**0.1532**	**0.0404**	**9.3000e-004**	**0.0413**		**156.6986**	**156.6986**	**3.7000e-003**		**156.7911**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342	0.0000	1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4346**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**	**0.0000**	**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0378	0.5054	1.5700e-003	0.1521	1.0100e-003	0.1532	0.0404	9.3000e-004	0.0413		156.6986	156.6986	3.7000e-003		156.7911
Total	**0.0736**	**0.0378**	**0.5054**	**1.5700e-003**	**0.1521**	**1.0100e-003**	**0.1532**	**0.0404**	**9.3000e-004**	**0.0413**		**156.6986**	**156.6986**	**3.7000e-003**		**156.7911**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.6 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3051	10.9116	1.8966	0.0295	0.6816	0.0254	0.7070	0.1962	0.0243	0.2205		3,089.6784	3,089.6784	0.1706		3,093.9430
Worker	1.3758	0.7071	9.4510	0.0294	2.8450	0.0189	2.8639	0.7547	0.0174	0.7721		2,930.2636	2,930.2636	0.0692		2,931.9936
Total	**1.6809**	**11.6187**	**11.3475**	**0.0589**	**3.5267**	**0.0442**	**3.5709**	**0.9509**	**0.0416**	**0.9925**		**6,019.9420**	**6,019.9420**	**0.2398**		**6,025.9366**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.6 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3051	10.9116	1.8966	0.0295	0.6816	0.0254	0.7070	0.1962	0.0243	0.2205		3,089.6784	3,089.6784	0.1706		3,093.9430
Worker	1.3758	0.7071	9.4510	0.0294	2.8450	0.0189	2.8639	0.7547	0.0174	0.7721		2,930.2636	2,930.2636	0.0692		2,931.9936
Total	**1.6809**	**11.6187**	**11.3475**	**0.0589**	**3.5267**	**0.0442**	**3.5709**	**0.9509**	**0.0416**	**0.9925**		**6,019.9420**	**6,019.9420**	**0.2398**		**6,025.9366**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2825	10.3755	1.7427	0.0292	0.6816	0.0216	0.7032	0.1962	0.0207	0.2169		3,060.5746	3,060.5746	0.1613		3,064.6059
Worker	1.2831	0.6348	8.6962	0.0283	2.8450	0.0184	2.8634	0.7547	0.0169	0.7716		2,823.1012	2,823.1012	0.0622		2,824.6553
Total	**1.5656**	**11.0103**	**10.4389**	**0.0576**	**3.5266**	**0.0400**	**3.5666**	**0.9509**	**0.0376**	**0.9885**		**5,883.6758**	**5,883.6758**	**0.2234**		**5,889.2612**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2825	10.3755	1.7427	0.0292	0.6816	0.0216	0.7032	0.1962	0.0207	0.2169		3,060.5746	3,060.5746	0.1613		3,064.6059
Worker	1.2831	0.6348	8.6962	0.0283	2.8450	0.0184	2.8634	0.7547	0.0169	0.7716		2,823.1012	2,823.1012	0.0622		2,824.6553
Total	**1.5656**	**11.0103**	**10.4389**	**0.0576**	**3.5266**	**0.0400**	**3.5666**	**0.9509**	**0.0376**	**0.9885**		**5,883.6758**	**5,883.6758**	**0.2234**		**5,889.2612**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2057	8.4880	1.4743	0.0286	0.6816	7.9700e-003	0.6895	0.1962	7.6200e-003	0.2038		2,997.3629	2,997.3629	0.1108		3,000.1320
Worker	1.1984	0.5710	7.9998	0.0272	2.8450	0.0180	2.8630	0.7547	0.0166	0.7712		2,715.2302	2,715.2302	0.0558		2,716.6241
Total	**1.4042**	**9.0590**	**9.4741**	**0.0559**	**3.5266**	**0.0260**	**3.5525**	**0.9509**	**0.0242**	**0.9750**		**5,712.5932**	**5,712.5932**	**0.1665**		**5,716.7561**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2057	8.4880	1.4743	0.0286	0.6816	7.9700e-003	0.6895	0.1962	7.6200e-003	0.2038		2,997.3629	2,997.3629	0.1108		3,000.1320
Worker	1.1984	0.5710	7.9998	0.0272	2.8450	0.0180	2.8630	0.7547	0.0166	0.7712		2,715.2302	2,715.2302	0.0558		2,716.6241
Total	**1.4042**	**9.0590**	**9.4741**	**0.0559**	**3.5266**	**0.0260**	**3.5525**	**0.9509**	**0.0242**	**0.9750**		**5,712.5932**	**5,712.5932**	**0.1665**		**5,716.7561**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**9.0099**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2759	0.1418	1.8953	5.9000e-003	0.5705	3.7900e-003	0.5743	0.1513	3.4900e-003	0.1548		587.6197	587.6197	0.0139		587.9666
Total	**0.2759**	**0.1418**	**1.8953**	**5.9000e-003**	**0.5705**	**3.7900e-003**	**0.5743**	**0.1513**	**3.4900e-003**	**0.1548**		**587.6197**	**587.6197**	**0.0139**		**587.9666**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**9.0099**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2759	0.1418	1.8953	5.9000e-003	0.5705	3.7900e-003	0.5743	0.1513	3.4900e-003	0.1548		587.6197	587.6197	0.0139		587.9666
Total	**0.2759**	**0.1418**	**1.8953**	**5.9000e-003**	**0.5705**	**3.7900e-003**	**0.5743**	**0.1513**	**3.4900e-003**	**0.1548**		**587.6197**	**587.6197**	**0.0139**		**587.9666**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**8.9956**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2573	0.1273	1.7439	5.6800e-003	0.5705	3.6900e-003	0.5742	0.1513	3.4000e-003	0.1547		566.1299	566.1299	0.0125		566.4416
Total	**0.2573**	**0.1273**	**1.7439**	**5.6800e-003**	**0.5705**	**3.6900e-003**	**0.5742**	**0.1513**	**3.4000e-003**	**0.1547**		**566.1299**	**566.1299**	**0.0125**		**566.4416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**8.9956**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2573	0.1273	1.7439	5.6800e-003	0.5705	3.6900e-003	0.5742	0.1513	3.4000e-003	0.1547		566.1299	566.1299	0.0125		566.4416
Total	**0.2573**	**0.1273**	**1.7439**	**5.6800e-003**	**0.5705**	**3.6900e-003**	**0.5742**	**0.1513**	**3.4000e-003**	**0.1547**		**566.1299**	**566.1299**	**0.0125**		**566.4416**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**8.9827**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2403	0.1145	1.6043	5.4600e-003	0.5705	3.6100e-003	0.5741	0.1513	3.3200e-003	0.1547		544.4980	544.4980	0.0112		544.7776
Total	**0.2403**	**0.1145**	**1.6043**	**5.4600e-003**	**0.5705**	**3.6100e-003**	**0.5741**	**0.1513**	**3.3200e-003**	**0.1547**		**544.4980**	**544.4980**	**0.0112**		**544.7776**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**8.9827**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2403	0.1145	1.6043	5.4600e-003	0.5705	3.6100e-003	0.5741	0.1513	3.3200e-003	0.1547		544.4980	544.4980	0.0112		544.7776
Total	**0.2403**	**0.1145**	**1.6043**	**5.4600e-003**	**0.5705**	**3.6100e-003**	**0.5741**	**0.1513**	**3.3200e-003**	**0.1547**		**544.4980**	**544.4980**	**0.0112**		**544.7776**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.4760	89.5703	146.3400	0.6696	48.6812	0.4142	49.0954	13.0686	0.3870	13.4556		68,219.2864	68,219.2864	2.6717		68,286.0786
Unmitigated	15.4760	89.5703	146.3400	0.6696	48.6812	0.4142	49.0954	13.0686	0.3870	13.4556		68,219.2864	68,219.2864	2.6717		68,286.0786

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,573.44	1,573.44	1573.44	6,416,767	6,416,767
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,557.37	5,557.37	5557.37	12,251,098	12,251,098
Regional Shopping Center	1,838.04	1,838.04	1838.04	4,051,920	4,051,920
Total	8,968.85	8,968.85	8,968.85	22,719,785	22,719,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	15.54	7.78	10.88	46.00	13.00	41.00	86	11	3
Enclosed Parking with Elevator	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Parking Lot	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Enclosed Parking with Elevator	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Parking Lot	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
NaturalGas Unmitigated	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5971.13	0.0644	0.5503	0.2342	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.4858	702.4858	0.0135	0.0129	706.6603
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	154.537	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1808	18.1808	3.5000e-004	3.3000e-004	18.2889
Regional Shopping Center	467.247	5.0400e-003	0.0458	0.0385	2.7000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003		54.9703	54.9703	1.0500e-003	1.0100e-003	55.2969
Total		**0.0711**	**0.6112**	**0.2854**	**3.8700e-003**		**0.0491**	**0.0491**		**0.0491**	**0.0491**		**775.6369**	**775.6369**	**0.0149**	**0.0142**	**780.2461**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.97113	0.0644	0.5503	0.2342	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.4858	702.4858	0.0135	0.0129	706.6603
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.154537	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1808	18.1808	3.5000e-004	3.3000e-004	18.2889
Regional Shopping Center	0.467247	5.0400e-003	0.0458	0.0385	2.7000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003		54.9703	54.9703	1.0500e-003	1.0100e-003	55.2969
Total		**0.0711**	**0.6112**	**0.2854**	**3.8700e-003**		**0.0491**	**0.0491**		**0.0491**	**0.0491**		**775.6369**	**775.6369**	**0.0149**	**0.0142**	**780.2461**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.1806	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210	0.0000	39.3994	39.3994	0.0381	0.0000	40.3520
Unmitigated	609.1436	10.8053	761.5883	1.3374		103.8537	103.8537		103.8537	103.8537	10,898.2672	3,114.2229	14,012.4901	10.2234	0.8269	14,514.4761

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.6951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	598.3217	10.5537	739.7326	1.3362		103.7327	103.7327		103.7327	103.7327	10,898.2672	3,074.8235	13,973.0907	10.1853	0.8269	14,474.1241
Landscaping	0.6624	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210		39.3994	39.3994	0.0381		40.3520
Total	**609.1436**	**10.8053**	**761.5883**	**1.3374**		**103.8537**	**103.8537**		**103.8537**	**103.8537**	**10,898.2672**	**3,114.2229**	**14,012.4901**	**10.2234**	**0.8269**	**14,514.4761**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6624	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210		39.3994	39.3994	0.0381		40.3520
Total	**10.1806**	**0.2516**	**21.8558**	**1.1600e-003**		**0.1210**	**0.1210**		**0.1210**	**0.1210**	**0.0000**	**39.3994**	**39.3994**	**0.0381**	**0.0000**	**40.3520**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Commons Project (Unmitigated)

Yolo/Solano AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	548.00	Space	0.00	246,000.00	0
Parking Lot	145.00	Space	1.30	87,000.00	0
Apartments Mid Rise	264.00	Dwelling Unit	2.30	264,000.00	894
Regional Shopping Center	102.80	1000sqft	0.00	102,800.00	0
Regional Shopping Center	34.00	1000sqft	0.78	34,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

University Commons Project (Unmitigated) - Yolo/Solano AQMD Air District, Winter

Project Characteristics - PG&E RPS

Land Use - applicant provided

Construction Phase - applicant provided

Off-road Equipment -

Trips and VMT -

On-road Fugitive Dust - YSAQMD Standard

Demolition -

Grading - applicant provided

Vehicle Trips - adjusted per traffic report

Road Dust - Per Chiles Road

Woodstoves - per applicant

Energy Use - Adjusted per 2019 CBSC

Construction Off-road Equipment Mitigation - per AQ questionnaire

Mobile Land Use Mitigation -

Area Mitigation - per YSAQMD rules and regulations

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	5.00	32.00
tblConstructionPhase	NumDays	8.00	93.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	230.00	608.00

tblConstructionPhase	NumDays	18.00	608.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24E	332.81	309.51
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	5,484.45	5,100.54
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	46.50	8.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialExported	0.00	3,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	219,200.00	246,000.00
tblLandUse	LandUseSquareFeet	58,000.00	87,000.00
tblLandUse	LotAcreage	4.93	0.00
tblLandUse	LotAcreage	6.95	2.30
tblLandUse	LotAcreage	2.36	0.00
tblLandUse	Population	755.00	894.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripNumber	563.00	562.00
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CC_TL	5.00	7.78
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CNW_TL	7.00	10.88
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	CW_TL	10.00	15.54
tblVehicleTrips	HO_TL	7.00	10.88
tblVehicleTrips	HS_TL	5.00	7.78
tblVehicleTrips	HW_TL	10.00	15.54

tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	49.97	54.06
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	25.24	54.06
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	42.70	54.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	12.7994	43.4569	30.8093	0.0898	18.4539	2.0554	20.5092	10.0301	1.8913	11.9214	0.0000	8,945.2578	8,945.2578	1.2378	0.0000	8,967.8436
2022	12.4635	28.4378	29.5559	0.0884	4.0971	0.9358	5.0329	1.1022	0.8852	1.9874	0.0000	8,803.3341	8,803.3341	0.8803	0.0000	8,825.3409
2023	12.1418	25.0822	28.2812	0.0866	4.0971	0.8004	4.8975	1.1022	0.7570	1.8592	0.0000	8,628.6470	8,628.6470	0.8103	0.0000	8,648.9031
Maximum	**12.7994**	**43.4569**	**30.8093**	**0.0898**	**18.4539**	**2.0554**	**20.5092**	**10.0301**	**1.8913**	**11.9214**	**0.0000**	**8,945.2578**	**8,945.2578**	**1.2378**	**0.0000**	**8,967.8436**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	12.7994	43.4569	30.8093	0.0898	18.4539	2.0554	20.5092	10.0301	1.8913	11.9214	0.0000	8,945.2578	8,945.2578	1.2378	0.0000	8,967.8435
2022	12.4635	28.4378	29.5559	0.0884	4.0971	0.9358	5.0329	1.1022	0.8852	1.9874	0.0000	8,803.3341	8,803.3341	0.8803	0.0000	8,825.3409
2023	12.1418	25.0822	28.2812	0.0866	4.0971	0.8004	4.8975	1.1022	0.7570	1.8592	0.0000	8,628.6470	8,628.6470	0.8103	0.0000	8,648.9031
Maximum	**12.7994**	**43.4569**	**30.8093**	**0.0898**	**18.4539**	**2.0554**	**20.5092**	**10.0301**	**1.8913**	**11.9214**	**0.0000**	**8,945.2578**	**8,945.2578**	**1.2378**	**0.0000**	**8,967.8435**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	609.1436	10.8053	761.5883	1.3374		103.8537	103.8537		103.8537	103.8537	10,898.2672	3,114.2229	14,012.4901	10.2234	0.8269	14,514.4761
Energy	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
Mobile	12.2575	92.7072	142.0022	0.6168	48.6812	0.4166	49.0978	13.0686	0.3893	13.4579		62,889.4533	62,889.4533	2.7832		62,959.0340
Total	**621.4722**	**104.1238**	**903.8759**	**1.9580**	**48.6812**	**104.3194**	**153.0006**	**13.0686**	**104.2921**	**117.3607**	**10,898.2672**	**66,779.3131**	**77,677.5803**	**13.0215**	**0.8411**	**78,253.7562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.1806	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210	0.0000	39.3994	39.3994	0.0381	0.0000	40.3520
Energy	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
Mobile	12.2575	92.7072	142.0022	0.6168	48.6812	0.4166	49.0978	13.0686	0.3893	13.4579		62,889.4533	62,889.4533	2.7832		62,959.0340
Total	**22.5092**	**93.5701**	**164.1433**	**0.6218**	**48.6812**	**0.5867**	**49.2679**	**13.0686**	**0.5594**	**13.6280**	**0.0000**	**63,704.4896**	**63,704.4896**	**2.8362**	**0.0142**	**63,779.6321**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**96.38**	**10.14**	**81.84**	**68.24**	**0.00**	**99.44**	**67.80**	**0.00**	**99.46**	**88.39**	**100.00**	**4.60**	**17.99**	**78.22**	**98.31**	**18.50**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2021	5/1/2021	7	90	
2	Site Preparation	Site Preparation	5/2/2021	6/2/2021	7	32	
3	Grading	Grading	6/3/2021	9/3/2021	7	93	
4	Paving	Paving	9/4/2021	9/13/2021	7	10	
5	Building Construction	Building Construction	9/14/2021	5/14/2023	7	608	
6	Architectural Coating	Architectural Coating	9/28/2021	5/28/2023	7	608	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 1.3

Residential Indoor: 534,600; Residential Outdoor: 178,200; Non-Residential Indoor: 205,200; Non-Residential Outdoor: 68,400; Striped Parking Area: 19,980 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	412.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	375.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	562.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	374.00	105.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1614	0.0000	1.1614	0.1759	0.0000	0.1759			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.1614**	**1.5513**	**2.7127**	**0.1759**	**1.4411**	**1.6170**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0350	1.1395	0.2047	3.6500e-003	0.0800	3.9000e-003	0.0839	0.0219	3.7300e-003	0.0257		382.7710	382.7710	0.0167		383.1885
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0357	0.3377	1.0500e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		104.3747	104.3747	2.4900e-003		104.4370
Total	**0.0872**	**1.1752**	**0.5424**	**4.7000e-003**	**0.1941**	**4.6600e-003**	**0.1987**	**0.0522**	**4.4300e-003**	**0.0566**		**487.1457**	**487.1457**	**0.0192**		**487.6256**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1614	0.0000	1.1614	0.1759	0.0000	0.1759			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.1614**	**1.5513**	**2.7127**	**0.1759**	**1.4411**	**1.6170**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0350	1.1395	0.2047	3.6500e-003	0.0800	3.9000e-003	0.0839	0.0219	3.7300e-003	0.0257		382.7710	382.7710	0.0167		383.1885
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0357	0.3377	1.0500e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		104.3747	104.3747	2.4900e-003		104.4370
Total	**0.0872**	**1.1752**	**0.5424**	**4.7000e-003**	**0.1941**	**4.6600e-003**	**0.1987**	**0.0522**	**4.4300e-003**	**0.0566**		**487.1457**	**487.1457**	**0.0192**		**487.6256**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1122	0.0000	18.1122	9.9376	0.0000	9.9376			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.1122**	**2.0445**	**20.1567**	**9.9376**	**1.8809**	**11.8185**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0895	2.9169	0.5241	9.3500e-003	0.2047	9.9900e-003	0.2147	0.0561	9.5600e-003	0.0657		979.8636	979.8636	0.0428		980.9325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0627	0.0428	0.4052	1.2600e-003	0.1369	9.1000e-004	0.1378	0.0363	8.4000e-004	0.0372		125.2497	125.2497	2.9900e-003		125.3244
Total	**0.1522**	**2.9598**	**0.9293**	**0.0106**	**0.3417**	**0.0109**	**0.3525**	**0.0924**	**0.0104**	**0.1028**		**1,105.1133**	**1,105.1133**	**0.0457**		**1,106.2569**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1122	0.0000	18.1122	9.9376	0.0000	9.9376			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.1122**	**2.0445**	**20.1567**	**9.9376**	**1.8809**	**11.8185**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0895	2.9169	0.5241	9.3500e-003	0.2047	9.9900e-003	0.2147	0.0561	9.5600e-003	0.0657		979.8636	979.8636	0.0428		980.9325
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0627	0.0428	0.4052	1.2600e-003	0.1369	9.1000e-004	0.1378	0.0363	8.4000e-004	0.0372		125.2497	125.2497	2.9900e-003		125.3244
Total	**0.1522**	**2.9598**	**0.9293**	**0.0106**	**0.3417**	**0.0109**	**0.3525**	**0.0924**	**0.0104**	**0.1028**		**1,105.1133**	**1,105.1133**	**0.0457**		**1,106.2569**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1370	0.0000	6.1370	3.3237	0.0000	3.3237			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.1370**	**1.1599**	**7.2970**	**3.3237**	**1.0671**	**4.3908**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0461	1.5042	0.2703	4.8200e-003	0.1056	5.1500e-003	0.1107	0.0289	4.9300e-003	0.0339		505.2865	505.2865	0.0221		505.8377
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0357	0.3377	1.0500e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		104.3747	104.3747	2.4900e-003		104.4370
Total	**0.0984**	**1.5399**	**0.6080**	**5.8700e-003**	**0.2197**	**5.9100e-003**	**0.2256**	**0.0592**	**5.6300e-003**	**0.0648**		**609.6612**	**609.6612**	**0.0245**		**610.2747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1370	0.0000	6.1370	3.3237	0.0000	3.3237			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.1370**	**1.1599**	**7.2970**	**3.3237**	**1.0671**	**4.3908**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0461	1.5042	0.2703	4.8200e-003	0.1056	5.1500e-003	0.1107	0.0289	4.9300e-003	0.0339		505.2865	505.2865	0.0221		505.8377
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0357	0.3377	1.0500e-003	0.1141	7.6000e-004	0.1149	0.0303	7.0000e-004	0.0310		104.3747	104.3747	2.4900e-003		104.4370
Total	**0.0984**	**1.5399**	**0.6080**	**5.8700e-003**	**0.2197**	**5.9100e-003**	**0.2256**	**0.0592**	**5.6300e-003**	**0.0648**		**609.6612**	**609.6612**	**0.0245**		**610.2747**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342		1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4346**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**		**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0476	0.4503	1.4000e-003	0.1521	1.0100e-003	0.1532	0.0404	9.3000e-004	0.0413		139.1663	139.1663	3.3200e-003		139.2494
Total	**0.0697**	**0.0476**	**0.4503**	**1.4000e-003**	**0.1521**	**1.0100e-003**	**0.1532**	**0.0404**	**9.3000e-004**	**0.0413**		**139.1663**	**139.1663**	**3.3200e-003**		**139.2494**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342	0.0000	1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.3406					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4346**	**10.8399**	**12.2603**	**0.0189**		**0.5788**	**0.5788**		**0.5342**	**0.5342**	**0.0000**	**1,804.5523**	**1,804.5523**	**0.5670**		**1,818.7270**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0476	0.4503	1.4000e-003	0.1521	1.0100e-003	0.1532	0.0404	9.3000e-004	0.0413		139.1663	139.1663	3.3200e-003		139.2494
Total	**0.0697**	**0.0476**	**0.4503**	**1.4000e-003**	**0.1521**	**1.0100e-003**	**0.1532**	**0.0404**	**9.3000e-004**	**0.0413**		**139.1663**	**139.1663**	**3.3200e-003**		**139.2494**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.6 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3246	11.0137	2.3081	0.0285	0.6816	0.0268	0.7084	0.1962	0.0256	0.2218		2,986.1627	2,986.1627	0.1935		2,991.0000
Worker	1.3028	0.8898	8.4200	0.0261	2.8450	0.0189	2.8639	0.7547	0.0174	0.7721		2,602.4095	2,602.4095	0.0622		2,603.9632
Total	**1.6274**	**11.9034**	**10.7281**	**0.0546**	**3.5267**	**0.0456**	**3.5723**	**0.9509**	**0.0430**	**0.9939**		**5,588.5722**	**5,588.5722**	**0.2556**		**5,594.9632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.6 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3246	11.0137	2.3081	0.0285	0.6816	0.0268	0.7084	0.1962	0.0256	0.2218		2,986.1627	2,986.1627	0.1935		2,991.0000
Worker	1.3028	0.8898	8.4200	0.0261	2.8450	0.0189	2.8639	0.7547	0.0174	0.7721		2,602.4095	2,602.4095	0.0622		2,603.9632
Total	**1.6274**	**11.9034**	**10.7281**	**0.0546**	**3.5267**	**0.0456**	**3.5723**	**0.9509**	**0.0430**	**0.9939**		**5,588.5722**	**5,588.5722**	**0.2556**		**5,594.9632**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3006	10.4550	2.1224	0.0283	0.6816	0.0229	0.7045	0.1962	0.0219	0.2182		2,957.3771	2,957.3771	0.1832		2,961.9561
Worker	1.2170	0.7986	7.7103	0.0252	2.8450	0.0184	2.8634	0.7547	0.0169	0.7716		2,507.3621	2,507.3621	0.0557		2,508.7541
Total	**1.5176**	**11.2535**	**9.8327**	**0.0534**	**3.5266**	**0.0413**	**3.5679**	**0.9509**	**0.0389**	**0.9898**		**5,464.7392**	**5,464.7392**	**0.2388**		**5,470.7101**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.6 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3006	10.4550	2.1224	0.0283	0.6816	0.0229	0.7045	0.1962	0.0219	0.2182		2,957.3771	2,957.3771	0.1832		2,961.9561
Worker	1.2170	0.7986	7.7103	0.0252	2.8450	0.0184	2.8634	0.7547	0.0169	0.7716		2,507.3621	2,507.3621	0.0557		2,508.7541
Total	**1.5176**	**11.2535**	**9.8327**	**0.0534**	**3.5266**	**0.0413**	**3.5679**	**0.9509**	**0.0389**	**0.9898**		**5,464.7392**	**5,464.7392**	**0.2388**		**5,470.7101**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2186	8.5326	1.7543	0.0277	0.6816	8.2500e-003	0.6898	0.1962	7.8800e-003	0.2041		2,896.6750	2,896.6750	0.1258		2,899.8199
Worker	1.1393	0.7178	7.0567	0.0242	2.8450	0.0180	2.8630	0.7547	0.0166	0.7712		2,411.6870	2,411.6870	0.0498		2,412.9315
Total	**1.3579**	**9.2504**	**8.8110**	**0.0519**	**3.5266**	**0.0262**	**3.5528**	**0.9509**	**0.0244**	**0.9753**		**5,308.3620**	**5,308.3620**	**0.1756**		**5,312.7514**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2186	8.5326	1.7543	0.0277	0.6816	8.2500e-003	0.6898	0.1962	7.8800e-003	0.2041		2,896.6750	2,896.6750	0.1258		2,899.8199
Worker	1.1393	0.7178	7.0567	0.0242	2.8450	0.0180	2.8630	0.7547	0.0166	0.7712		2,411.6870	2,411.6870	0.0498		2,412.9315
Total	**1.3579**	**9.2504**	**8.8110**	**0.0519**	**3.5266**	**0.0262**	**3.5528**	**0.9509**	**0.0244**	**0.9753**		**5,308.3620**	**5,308.3620**	**0.1756**		**5,312.7514**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**9.0099**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2613	0.1784	1.6885	5.2400e-003	0.5705	3.7900e-003	0.5743	0.1513	3.4900e-003	0.1548		521.8736	521.8736	0.0125		522.1851
Total	**0.2613**	**0.1784**	**1.6885**	**5.2400e-003**	**0.5705**	**3.7900e-003**	**0.5743**	**0.1513**	**3.4900e-003**	**0.1548**		**521.8736**	**521.8736**	**0.0125**		**522.1851**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**9.0099**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2613	0.1784	1.6885	5.2400e-003	0.5705	3.7900e-003	0.5743	0.1513	3.4900e-003	0.1548		521.8736	521.8736	0.0125		522.1851
Total	**0.2613**	**0.1784**	**1.6885**	**5.2400e-003**	**0.5705**	**3.7900e-003**	**0.5743**	**0.1513**	**3.4900e-003**	**0.1548**		**521.8736**	**521.8736**	**0.0125**		**522.1851**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**8.9956**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2441	0.1601	1.5462	5.0400e-003	0.5705	3.6900e-003	0.5742	0.1513	3.4000e-003	0.1547		502.8133	502.8133	0.0112		503.0924
Total	**0.2441**	**0.1601**	**1.5462**	**5.0400e-003**	**0.5705**	**3.6900e-003**	**0.5742**	**0.1513**	**3.4000e-003**	**0.1547**		**502.8133**	**502.8133**	**0.0112**		**503.0924**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**8.9956**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2441	0.1601	1.5462	5.0400e-003	0.5705	3.6900e-003	0.5742	0.1513	3.4000e-003	0.1547		502.8133	502.8133	0.0112		503.0924
Total	**0.2441**	**0.1601**	**1.5462**	**5.0400e-003**	**0.5705**	**3.6900e-003**	**0.5742**	**0.1513**	**3.4000e-003**	**0.1547**		**502.8133**	**502.8133**	**0.0112**		**503.0924**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**8.9827**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2285	0.1440	1.4151	4.8500e-003	0.5705	3.6100e-003	0.5741	0.1513	3.3200e-003	0.1547		483.6271	483.6271	9.9800e-003		483.8766
Total	**0.2285**	**0.1440**	**1.4151**	**4.8500e-003**	**0.5705**	**3.6100e-003**	**0.5741**	**0.1513**	**3.3200e-003**	**0.1547**		**483.6271**	**483.6271**	**9.9800e-003**		**483.8766**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**8.9827**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2285	0.1440	1.4151	4.8500e-003	0.5705	3.6100e-003	0.5741	0.1513	3.3200e-003	0.1547		483.6271	483.6271	9.9800e-003		483.8766
Total	**0.2285**	**0.1440**	**1.4151**	**4.8500e-003**	**0.5705**	**3.6100e-003**	**0.5741**	**0.1513**	**3.3200e-003**	**0.1547**		**483.6271**	**483.6271**	**9.9800e-003**		**483.8766**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.2575	92.7072	142.0022	0.6168	48.6812	0.4166	49.0978	13.0686	0.3893	13.4579		62,889.4533	62,889.4533	2.7832		62,959.0340
Unmitigated	12.2575	92.7072	142.0022	0.6168	48.6812	0.4166	49.0978	13.0686	0.3893	13.4579		62,889.4533	62,889.4533	2.7832		62,959.0340

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,573.44	1,573.44	1573.44	6,416,767	6,416,767
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,557.37	5,557.37	5557.37	12,251,098	12,251,098
Regional Shopping Center	1,838.04	1,838.04	1838.04	4,051,920	4,051,920
Total	8,968.85	8,968.85	8,968.85	22,719,785	22,719,785

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	15.54	7.78	10.88	46.00	13.00	41.00	86	11	3
Enclosed Parking with Elevator	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Parking Lot	15.54	7.78	10.88	0.00	0.00	0.00	0	0	0
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11
Regional Shopping Center	15.54	7.78	10.88	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Enclosed Parking with Elevator	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Parking Lot	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461
NaturalGas Unmitigated	0.0711	0.6112	0.2854	3.8800e-003		0.0491	0.0491		0.0491	0.0491		775.6369	775.6369	0.0149	0.0142	780.2461

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5971.13	0.0644	0.5503	0.2342	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.4858	702.4858	0.0135	0.0129	706.6603
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	154.537	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1808	18.1808	3.5000e-004	3.3000e-004	18.2889
Regional Shopping Center	467.247	5.0400e-003	0.0458	0.0385	2.7000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003		54.9703	54.9703	1.0500e-003	1.0100e-003	55.2969
Total		**0.0711**	**0.6112**	**0.2854**	**3.8700e-003**		**0.0491**	**0.0491**		**0.0491**	**0.0491**		**775.6369**	**775.6369**	**0.0149**	**0.0142**	**780.2461**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.97113	0.0644	0.5503	0.2342	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.4858	702.4858	0.0135	0.0129	706.6603
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.154537	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1808	18.1808	3.5000e-004	3.3000e-004	18.2889
Regional Shopping Center	0.467247	5.0400e-003	0.0458	0.0385	2.7000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003		54.9703	54.9703	1.0500e-003	1.0100e-003	55.2969
Total		**0.0711**	**0.6112**	**0.2854**	**3.8700e-003**		**0.0491**	**0.0491**		**0.0491**	**0.0491**		**775.6369**	**775.6369**	**0.0149**	**0.0142**	**780.2461**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.1806	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210	0.0000	39.3994	39.3994	0.0381	0.0000	40.3520
Unmitigated	609.1436	10.8053	761.5883	1.3374		103.8537	103.8537		103.8537	103.8537	10,898.2672	3,114.2229	14,012.4901	10.2234	0.8269	14,514.4761

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.6951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	598.3217	10.5537	739.7326	1.3362		103.7327	103.7327		103.7327	103.7327	10,898.2672	3,074.8235	13,973.0907	10.1853	0.8269	14,474.1241
Landscaping	0.6624	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210		39.3994	39.3994	0.0381		40.3520
Total	**609.1436**	**10.8053**	**761.5883**	**1.3374**		**103.8537**	**103.8537**		**103.8537**	**103.8537**	**10,898.2672**	**3,114.2229**	**14,012.4901**	**10.2234**	**0.8269**	**14,514.4761**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6624	0.2516	21.8558	1.1600e-003		0.1210	0.1210		0.1210	0.1210		39.3994	39.3994	0.0381		40.3520
Total	**10.1806**	**0.2516**	**21.8558**	**1.1600e-003**		**0.1210**	**0.1210**		**0.1210**	**0.1210**	**0.0000**	**39.3994**	**39.3994**	**0.0381**	**0.0000**	**40.3520**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Commons Project (Unmitigated)

Yolo/Solano AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	2	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	4	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	11	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	6.19100E-002	4.25990E-001	5.51340E-001	9.00000E-004	2.46200E-002	2.46200E-002	0.00000E+000	7.76189E+001	7.76189E+001	5.00000E-003	0.00000E+000	7.77438E+001
Cement and Mortar Mixers	4.40000E-004	2.76000E-003	2.31000E-003	1.00000E-005	1.10000E-004	1.10000E-004	0.00000E+000	3.43710E-001	3.43710E-001	4.00000E-005	0.00000E+000	3.44600E-001
Concrete/Industrial Saws	1.73200E-002	1.36710E-001	1.65330E-001	2.80000E-004	7.79000E-003	7.79000E-003	0.00000E+000	2.41945E+001	2.41945E+001	1.40000E-003	0.00000E+000	2.42297E+001
Cranes	9.98500E-002	1.12311E+000	5.04280E-001	1.53000E-003	4.64700E-002	4.27600E-002	0.00000E+000	1.34847E+002	1.34847E+002	4.36100E-002	0.00000E+000	1.35938E+002
Excavators	4.16000E-002	3.90840E-001	5.93830E-001	9.40000E-004	1.89600E-002	1.74400E-002	0.00000E+000	8.23586E+001	8.23586E+001	2.66400E-002	0.00000E+000	8.30245E+001
Forklifts	1.03950E-001	9.63240E-001	1.05272E+000	1.39000E-003	6.38600E-002	5.87500E-002	0.00000E+000	1.22474E+002	1.22474E+002	3.96100E-002	0.00000E+000	1.23464E+002
Generator Sets	1.00190E-001	8.88910E-001	1.11752E+000	2.00000E-003	4.45500E-002	4.45500E-002	0.00000E+000	1.71823E+002	1.71823E+002	8.14000E-003	0.00000E+000	1.72027E+002
Graders	2.10600E-002	2.75490E-001	8.21700E-002	3.10000E-004	8.73000E-003	8.03000E-003	0.00000E+000	2.70689E+001	2.70689E+001	8.75000E-003	0.00000E+000	2.72877E+001
Pavers	1.23000E-003	1.29800E-002	1.45200E-002	2.00000E-005	6.30000E-004	5.80000E-004	0.00000E+000	2.06412E+000	2.06412E+000	6.70000E-004	0.00000E+000	2.08081E+000
Paving Equipment	1.44000E-003	1.45500E-002	1.90600E-002	3.00000E-005	7.20000E-004	6.60000E-004	0.00000E+000	2.68383E+000	2.68383E+000	8.70000E-004	0.00000E+000	2.70553E+000
Rollers	1.42000E-003	1.44300E-002	1.41000E-002	2.00000E-005	8.80000E-004	8.10000E-004	0.00000E+000	1.72879E+000	1.72879E+000	5.60000E-004	0.00000E+000	1.74277E+000
Rubber Tired Dozers	1.93050E-001	2.02420E+000	7.44970E-001	1.57000E-003	9.82400E-002	9.03800E-002	0.00000E+000	1.38479E+002	1.38479E+002	4.47900E-002	0.00000E+000	1.39598E+002
Tractors/Loaders/Backhoes	1.71360E-001	1.73932E+000	2.25916E+000	3.13000E-003	9.58000E-002	8.81400E-002	0.00000E+000	2.75001E+002	2.75001E+002	8.89400E-002	0.00000E+000	2.77225E+002
Welders	8.40500E-002	4.44390E-001	5.15580E-001	7.80000E-004	1.93900E-002	1.93900E-002	0.00000E+000	5.72191E+001	5.72191E+001	6.82000E-003	0.00000E+000	5.73896E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	6.19100E-002	4.25990E-001	5.51340E-001	9.00000E-004	2.46200E-002	2.46200E-002	0.00000E+000	7.76188E+001	7.76188E+001	5.00000E-003	0.00000E+000	7.77437E+001
Cement and Mortar Mixers	4.40000E-004	2.76000E-003	2.31000E-003	1.00000E-005	1.10000E-004	1.10000E-004	0.00000E+000	3.43710E-001	3.43710E-001	4.00000E-005	0.00000E+000	3.44600E-001
Concrete/Industrial Saws	1.73200E-002	1.36710E-001	1.65330E-001	2.80000E-004	7.79000E-003	7.79000E-003	0.00000E+000	2.41945E+001	2.41945E+001	1.40000E-003	0.00000E+000	2.42296E+001
Cranes	9.98500E-002	1.12311E+000	5.04280E-001	1.53000E-003	4.64700E-002	4.27500E-002	0.00000E+000	1.34847E+002	1.34847E+002	4.36100E-002	0.00000E+000	1.35938E+002
Excavators	4.16000E-002	3.90840E-001	5.93830E-001	9.40000E-004	1.89600E-002	1.74400E-002	0.00000E+000	8.23585E+001	8.23585E+001	2.66400E-002	0.00000E+000	8.30244E+001
Forklifts	1.03950E-001	9.63240E-001	1.05272E+000	1.39000E-003	6.38600E-002	5.87500E-002	0.00000E+000	1.22474E+002	1.22474E+002	3.96100E-002	0.00000E+000	1.23464E+002
Generator Sets	1.00190E-001	8.88900E-001	1.11752E+000	2.00000E-003	4.45500E-002	4.45500E-002	0.00000E+000	1.71823E+002	1.71823E+002	8.14000E-003	0.00000E+000	1.72026E+002
Graders	2.10600E-002	2.75490E-001	8.21700E-002	3.10000E-004	8.73000E-003	8.03000E-003	0.00000E+000	2.70688E+001	2.70688E+001	8.75000E-003	0.00000E+000	2.72877E+001
Pavers	1.23000E-003	1.29800E-002	1.45200E-002	2.00000E-005	6.30000E-004	5.80000E-004	0.00000E+000	2.06412E+000	2.06412E+000	6.70000E-004	0.00000E+000	2.08081E+000
Paving Equipment	1.44000E-003	1.45500E-002	1.90600E-002	3.00000E-005	7.20000E-004	6.60000E-004	0.00000E+000	2.68383E+000	2.68383E+000	8.70000E-004	0.00000E+000	2.70553E+000
Rollers	1.42000E-003	1.44300E-002	1.41000E-002	2.00000E-005	8.80000E-004	8.10000E-004	0.00000E+000	1.72879E+000	1.72879E+000	5.60000E-004	0.00000E+000	1.74277E+000
Rubber Tired Dozers	1.93050E-001	2.02420E+000	7.44970E-001	1.57000E-003	9.82400E-002	9.03800E-002	0.00000E+000	1.38478E+002	1.38478E+002	4.47900E-002	0.00000E+000	1.39598E+002
Tractors/Loaders/Backhoes	1.71360E-001	1.73932E+000	2.25916E+000	3.13000E-003	9.58000E-002	8.81400E-002	0.00000E+000	2.75001E+002	2.75001E+002	8.89400E-002	0.00000E+000	2.77225E+002
Welders	8.40500E-002	4.44390E-001	5.15580E-001	7.80000E-004	1.93900E-002	1.93900E-002	0.00000E+000	5.72190E+001	5.72190E+001	6.82000E-003	0.00000E+000	5.73896E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15951E-006	1.15951E-006	0.00000E+000	0.00000E+000	1.15765E-006
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.26633E-007	8.26633E-007	0.00000E+000	0.00000E+000	1.23815E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.33863E-004	0.00000E+000	1.18653E-006	1.18653E-006	0.00000E+000	0.00000E+000	1.25057E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.09278E-006	1.09278E-006	0.00000E+000	0.00000E+000	1.20446E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22475E-006	1.22475E-006	0.00000E+000	0.00000E+000	1.21493E-006
Generator Sets	0.00000E+000	1.12497E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22219E-006	1.22219E-006	0.00000E+000	0.00000E+000	1.22074E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10828E-006	1.10828E-006	0.00000E+000	0.00000E+000	1.46586E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22763E-006	1.22763E-006	0.00000E+000	0.00000E+000	1.21778E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19999E-006	1.19999E-006	0.00000E+000	0.00000E+000	1.19037E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22337E-006	1.22337E-006	0.00000E+000	0.00000E+000	1.04549E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Water Exposed Area	PM10 Reduction	0.00	PM2.5 Reduction	0.00	Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %	0.50	Vehicle Speed (mph)	40.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.17	0.04	0.17	0.04	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.04	0.28	1.04	0.28	0.00	0.00
Demolition	Fugitive Dust	0.05	0.01	0.05	0.01	0.00	0.00
Demolition	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Grading	Fugitive Dust	0.29	0.15	0.29	0.15	0.00	0.00
Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.29	0.16	0.29	0.16	0.00	0.00
Site Preparation	Roads	0.01	0.00	0.01	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	80.00	80.01	80.04	80.00
Hearth	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	16.00	17.09	19.99	19.87	18.46
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00	32.00	0.00	
No	Land Use	Increase Diversity	0.20	0.48		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.24	0.01		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	100.00
Yes	Use Low VOC Paint (Residential Exterior)	100.00
Yes	Use Low VOC Paint (Non-residential Interior)	150.00
Yes	Use Low VOC Paint (Non-residential Exterior)	150.00
Yes	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable		80.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

University Mall (Existing)

Yolo/Solano AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	83.24	1000sqft	1.91	83,236.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor adjusted per PG&E progress towards RPS

Land Use - Existing Building Area

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Construction not modeled

Grading -

Vehicle Trips - Adjsuted per Fehr and Peers Report

Road Dust - YSAQMD Standard

Energy Use - Historic Energy Use

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	2.00	1.00
tblLandUse	LandUseSquareFeet	83,240.00	83,236.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	CC_TL	5.00	9.78
tblVehicleTrips	CNW_TL	7.00	13.69
tblVehicleTrips	CW_TL	10.00	19.55
tblVehicleTrips	ST_TR	49.97	71.97
tblVehicleTrips	SU_TR	25.24	71.97
tblVehicleTrips	WD_TR	42.70	71.97

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3830	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Energy	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	126.6899	126.6899	0.0137	3.0100e-003	127.9292
Mobile	1.6103	11.5349	17.5319	0.0829	6.2676	0.0546	6.3222	1.6873	0.0510	1.7383	0.0000	7,671.0301	7,671.0301	0.3109	0.0000	7,678.8037
Waste						0.0000	0.0000		0.0000	0.0000	17.7414	0.0000	17.7414	1.0485	0.0000	43.9536
Water						0.0000	0.0000		0.0000	0.0000	1.9561	5.1961	7.1523	0.2015	4.8700e-003	13.6419
Total	**1.9947**	**11.5468**	**17.5427**	**0.0830**	**6.2676**	**0.0555**	**6.3231**	**1.6873**	**0.0519**	**1.7392**	**19.6975**	**7,802.9176**	**7,822.6151**	**1.5746**	**7.8800e-003**	**7,864.3300**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3830	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Energy	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	126.6899	126.6899	0.0137	3.0100e-003	127.9292
Mobile	1.6103	11.5349	17.5319	0.0829	6.2676	0.0546	6.3222	1.6873	0.0510	1.7383	0.0000	7,671.0301	7,671.0301	0.3109	0.0000	7,678.8037
Waste						0.0000	0.0000		0.0000	0.0000	17.7414	0.0000	17.7414	1.0485	0.0000	43.9536
Water						0.0000	0.0000		0.0000	0.0000	1.9561	5.1961	7.1523	0.2015	4.8700e-003	13.6419
Total	**1.9947**	**11.5468**	**17.5427**	**0.0830**	**6.2676**	**0.0555**	**6.3231**	**1.6873**	**0.0519**	**1.7392**	**19.6975**	**7,802.9176**	**7,822.6151**	**1.5746**	**7.8800e-003**	**7,864.3300**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/14/2019	6/14/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	0.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Site Preparation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.6103	11.5349	17.5319	0.0829	6.2676	0.0546	6.3222	1.6873	0.0510	1.7383	0.0000	7,671.0301	7,671.0301	0.3109	0.0000	7,678.8037
Unmitigated	1.6103	11.5349	17.5319	0.0829	6.2676	0.0546	6.3222	1.6873	0.0510	1.7383	0.0000	7,671.0301	7,671.0301	0.3109	0.0000	7,678.8037

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	5,990.78	5,990.78	5990.78	16,602,165	16,602,165
Total	5,990.78	5,990.78	5,990.78	16,602,165	16,602,165

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	19.55	9.78	13.69	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	113.7198	113.7198	0.0134	2.7800e-003	114.8821
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	113.7198	113.7198	0.0134	2.7800e-003	114.8821
NaturalGas Mitigated	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9700	12.9700	2.5000e-004	2.4000e-004	13.0471
NaturalGas Unmitigated	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9700	12.9700	2.5000e-004	2.4000e-004	13.0471

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	243049	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9700	12.9700	2.5000e-004	2.4000e-004	13.0471
Total		**1.3100e-003**	**0.0119**	**0.0100**	**7.0000e-005**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**12.9700**	**12.9700**	**2.5000e-004**	**2.4000e-004**	**13.0471**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	243049	1.3100e-003	0.0119	0.0100	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	12.9700	12.9700	2.5000e-004	2.4000e-004	13.0471
Total		**1.3100e-003**	**0.0119**	**0.0100**	**7.0000e-005**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**12.9700**	**12.9700**	**2.5000e-004**	**2.4000e-004**	**13.0471**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	1.01964e+006	113.7198	0.0134	2.7800e-003	114.8821
Total		**113.7198**	**0.0134**	**2.7800e-003**	**114.8821**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	1.01964e+006	113.7198	0.0134	2.7800e-003	114.8821
Total		**113.7198**	**0.0134**	**2.7800e-003**	**114.8821**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3830	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Unmitigated	0.3830	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0579					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3251					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Total	**0.3830**	**1.0000e-005**	**7.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.4900e-003**	**1.4900e-003**	**0.0000**	**0.0000**	**1.5800e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0579					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3251					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4900e-003	1.4900e-003	0.0000	0.0000	1.5800e-003
Total	**0.3830**	**1.0000e-005**	**7.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.4900e-003**	**1.4900e-003**	**0.0000**	**0.0000**	**1.5800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.1523	0.2015	4.8700e-003	13.6419
Unmitigated	7.1523	0.2015	4.8700e-003	13.6419

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	6.1658 / 3.77904	7.1523	0.2015	4.8700e-003	13.6419
Total		**7.1523**	**0.2015**	**4.8700e-003**	**13.6419**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	6.1658 / 3.77904	7.1523	0.2015	4.8700e-003	13.6419
Total		**7.1523**	**0.2015**	**4.8700e-003**	**13.6419**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.7414	1.0485	0.0000	43.9536
Unmitigated	17.7414	1.0485	0.0000	43.9536

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	87.4	17.7414	1.0485	0.0000	43.9536
Total		**17.7414**	**1.0485**	**0.0000**	**43.9536**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	87.4	17.7414	1.0485	0.0000	43.9536
Total		**17.7414**	**1.0485**	**0.0000**	**43.9536**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Mall (Existing)

Yolo/Solano AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	83.24	1000sqft	1.91	83,236.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor adjusted per PG&E progress towards RPS

Land Use - Existing Building Area

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Construction not modeled

Grading -

Vehicle Trips - Adjsuted per Fehr and Peers Report

Road Dust - YSAQMD Standard

Energy Use - Historic Energy Use

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	2.00	1.00
tblLandUse	LandUseSquareFeet	83,240.00	83,236.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	CC_TL	5.00	9.78
tblVehicleTrips	CNW_TL	7.00	13.69
tblVehicleTrips	CW_TL	10.00	19.55
tblVehicleTrips	ST_TR	49.97	71.97
tblVehicleTrips	SU_TR	25.24	71.97
tblVehicleTrips	WD_TR	42.70	71.97

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0991	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Energy	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
Mobile	10.6629	61.8745	105.2139	0.4843	35.5731	0.2997	35.8728	9.5497	0.2801	9.8298		49,333.6269	49,333.6269	1.8846		49,380.7420
Total	**12.7693**	**61.9399**	**105.2773**	**0.4847**	**35.5731**	**0.3047**	**35.8778**	**9.5497**	**0.2851**	**9.8348**		**49,411.9849**	**49,411.9849**	**1.8862**	**1.4400e-003**	**49,459.5667**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0991	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Energy	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
Mobile	10.6629	61.8745	105.2139	0.4843	35.5731	0.2997	35.8728	9.5497	0.2801	9.8298		49,333.6269	49,333.6269	1.8846		49,380.7420
Total	**12.7693**	**61.9399**	**105.2773**	**0.4847**	**35.5731**	**0.3047**	**35.8778**	**9.5497**	**0.2851**	**9.8348**		**49,411.9849**	**49,411.9849**	**1.8862**	**1.4400e-003**	**49,459.5667**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/14/2019	6/14/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	0.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.6629	61.8745	105.2139	0.4843	35.5731	0.2997	35.8728	9.5497	0.2801	9.8298		49,333.6269	49,333.6269	1.8846		49,380.7420
Unmitigated	10.6629	61.8745	105.2139	0.4843	35.5731	0.2997	35.8728	9.5497	0.2801	9.8298		49,333.6269	49,333.6269	1.8846		49,380.7420

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	5,990.78	5,990.78	5990.78	16,602,165	16,602,165
Total	5,990.78	5,990.78	5,990.78	16,602,165	16,602,165

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	19.55	9.78	13.69	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
NaturalGas Unmitigated	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	665.888	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
Total		**7.1800e-003**	**0.0653**	**0.0548**	**3.9000e-004**		**4.9600e-003**	**4.9600e-003**		**4.9600e-003**	**4.9600e-003**		**78.3398**	**78.3398**	**1.5000e-003**	**1.4400e-003**	**78.8053**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	0.665888	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
Total		**7.1800e-003**	**0.0653**	**0.0548**	**3.9000e-004**		**4.9600e-003**	**4.9600e-003**		**4.9600e-003**	**4.9600e-003**		**78.3398**	**78.3398**	**1.5000e-003**	**1.4400e-003**	**78.8053**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0991	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Unmitigated	2.0991	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7813					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8000e-004	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Total	**2.0991**	**8.0000e-005**	**8.4900e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0182**	**0.0182**	**5.0000e-005**		**0.0194**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7813					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8000e-004	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Total	**2.0991**	**8.0000e-005**	**8.4900e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0182**	**0.0182**	**5.0000e-005**		**0.0194**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Mall (Existing)

Yolo/Solano AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	83.24	1000sqft	1.91	83,236.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	55
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	245.88	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor adjusted per PG&E progress towards RPS

Land Use - Existing Building Area

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Construction not modeled

Grading -

Vehicle Trips - Adjsuted per Fehr and Peers Report

Road Dust - YSAQMD Standard

Energy Use - Historic Energy Use

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	2.00	1.00
tblLandUse	LandUseSquareFeet	83,240.00	83,236.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	245.88
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	CC_TL	5.00	9.78
tblVehicleTrips	CNW_TL	7.00	13.69
tblVehicleTrips	CW_TL	10.00	19.55
tblVehicleTrips	ST_TR	49.97	71.97
tblVehicleTrips	SU_TR	25.24	71.97
tblVehicleTrips	WD_TR	42.70	71.97

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0991	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Energy	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
Mobile	8.5083	64.2305	101.1698	0.4462	35.5731	0.3013	35.8744	9.5497	0.2816	9.8313		45,498.0350	45,498.0350	1.9540		45,546.8840
Total	**10.6146**	**64.2959**	**101.2331**	**0.4466**	**35.5731**	**0.3063**	**35.8794**	**9.5497**	**0.2866**	**9.8363**		**45,576.3930**	**45,576.3930**	**1.9555**	**1.4400e-003**	**45,625.7087**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0991	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Energy	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
Mobile	8.5083	64.2305	101.1698	0.4462	35.5731	0.3013	35.8744	9.5497	0.2816	9.8313		45,498.0350	45,498.0350	1.9540		45,546.8840
Total	**10.6146**	**64.2959**	**101.2331**	**0.4466**	**35.5731**	**0.3063**	**35.8794**	**9.5497**	**0.2866**	**9.8363**		**45,576.3930**	**45,576.3930**	**1.9555**	**1.4400e-003**	**45,625.7087**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/14/2019	6/14/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	0	0.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.5083	64.2305	101.1698	0.4462	35.5731	0.3013	35.8744	9.5497	0.2816	9.8313		45,498.0350	45,498.0350	1.9540		45,546.8840
Unmitigated	8.5083	64.2305	101.1698	0.4462	35.5731	0.3013	35.8744	9.5497	0.2816	9.8313		45,498.0350	45,498.0350	1.9540		45,546.8840

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	5,990.78	5,990.78	5990.78	16,602,165	16,602,165
Total	5,990.78	5,990.78	5,990.78	16,602,165	16,602,165

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	19.55	9.78	13.69	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.529362	0.036506	0.195271	0.109340	0.018435	0.005125	0.038442	0.056216	0.001318	0.001888	0.006586	0.000684	0.000825

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
NaturalGas Unmitigated	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	665.888	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
Total		**7.1800e-003**	**0.0653**	**0.0548**	**3.9000e-004**		**4.9600e-003**	**4.9600e-003**		**4.9600e-003**	**4.9600e-003**		**78.3398**	**78.3398**	**1.5000e-003**	**1.4400e-003**	**78.8053**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	0.665888	7.1800e-003	0.0653	0.0548	3.9000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003		78.3398	78.3398	1.5000e-003	1.4400e-003	78.8053
Total		**7.1800e-003**	**0.0653**	**0.0548**	**3.9000e-004**		**4.9600e-003**	**4.9600e-003**		**4.9600e-003**	**4.9600e-003**		**78.3398**	**78.3398**	**1.5000e-003**	**1.4400e-003**	**78.8053**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0991	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Unmitigated	2.0991	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7813					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8000e-004	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Total	**2.0991**	**8.0000e-005**	**8.4900e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0182**	**0.0182**	**5.0000e-005**		**0.0194**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7813					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8000e-004	8.0000e-005	8.4900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0182	0.0182	5.0000e-005		0.0194
Total	**2.0991**	**8.0000e-005**	**8.4900e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0182**	**0.0182**	**5.0000e-005**		**0.0194**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

University Mall (Existing)

Yolo/Solano AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Graders	Diesel	No Change	0	0	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	0	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	0	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/ Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Percent Reduction											
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		

No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				

No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Appendix G

Environmental Noise Assessment
University Commons DEIR

City of Davis, California

October 2, 2019
jcb Project # 2018-157

Prepared for:

RANEY PLANNING & MANAGEMENT, INC.

Davis California

Attn:
Mr. Nick Pappani
1501 Sports Drive
Sacramento, CA 95834

Prepared by:

j.c. brennan & associates, Inc.

Jim Brennan, INCE
President
Member, Institute of Noise Control Engineering (INCE)

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NOISE AND VIBRATION

INTRODUCTION

This section describes the existing noise environment in the area of the proposed University Commons Mixed Use project (Proposed Project) in the City of Davis, California, and the potential of the Proposed Project to be a source of noise which may adversely affect the noise and vibration environment, or be exposed to noise and vibration levels exceeding the City of Davis' applicable standards.

LOCATION

The Project Site is located north of Russell Boulevard, east of Sycamore Lane, and west of Anderson Road. The site is currently developed with the University Mall neighborhood shopping center.

Figure 1 shows the project location.

PROJECT DESCRIPTION

The Proposed Project is a redevelopment of the University Mall and would entail reconfiguration of buildings to create a mixed-use development which includes approximately 264 residential units and 136,800 square feet of retail uses.

Figures 2 shows the proposed project site plan.

ENVIRONMENTAL SETTING

BACKGROUND INFORMATION ON NOISE AND VIBRATION

Fundamentals of Acoustics

Acoustics is the science of sound. Sound may be thought of as mechanical energy of a vibrating object transmitted by pressure waves through a medium to human (or animal) ears. If the pressure variations occur frequently enough (at least 20 times per second), then they can be heard and are called sound. The number of pressure variations per second is called the frequency of sound, and is expressed as cycles per second or Hertz (Hz).

Noise is a subjective reaction to different types of sounds. Noise is typically defined as (airborne) sound that is loud, unpleasant, unexpected or undesired, and may therefore be classified as a more specific group of sounds. Perceptions of sound and noise are highly subjective from person to person.

Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale uses the hearing threshold (20 micropascals), as a point of reference, defined as 0 dB. Other sound pressures are then compared to this reference pressure, and the logarithm is taken to keep the numbers in a practical range. The decibel scale allows a million-fold increase in pressure to be expressed as 120 dB, and changes in levels (dB) correspond closely to human perception of relative loudness.

The perceived loudness of sounds is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels,

perception of loudness is relatively predictable, and can be approximated by A-weighted sound levels. There is a strong correlation between A-weighted sound levels (expressed as dBA) and the way the human ear perceives sound. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment. All noise levels reported in this section are in terms of A-weighted levels, but are expressed as dB, unless otherwise noted.

The decibel scale is logarithmic, not linear. In other words, two sound levels 10 dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic decibel is A-weighted, an increase of 10 dBA is generally perceived as a doubling in loudness. For example, a 70 dBA sound is half as loud as an 80 dBA sound, and twice as loud as a 60 dBA sound.

Community noise is commonly described in terms of the ambient noise level, which is defined as the all-encompassing noise level associated with a given environment. A common statistical tool to measure the ambient noise level is the average, or equivalent, sound level (L_{eq}), which corresponds to a steady-state A weighted sound level containing the same total energy as a time varying signal over a given time period (usually one hour). The L_{eq} is the foundation of the composite noise descriptor, L_{dn}, and shows very good correlation with community response to noise.

The day/night average level (L_{dn}) is based upon the average noise level over a 24-hour day, with a +10 decibel weighing applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. The nighttime penalty is based upon the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures.

Table 1 lists several examples of the noise levels associated with common situations. Appendix A provides a summary of acoustical terms used in this report.

Legend

△ # : 24-Hour Noise Monitoring Site

(#) : Short Term Measurement Site

Figure 1
University Mall Redevelopment
Project Site

j.c. brennan & associates
consultants in acoustics

Rev. 1/11/17

NORTH ELEVATION LOADING AND PARKING GARAGE ACCESS- GRADE LEVEL SHOWN FOR REFERENCE

BRIXMOR Property Group

UNIVERSITY **COMMONS**

PROPOSED DESIGN CONCEPT

DAVIS, CA #180035 01-24-2019

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Figure 2
University Commons Site Plan

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Table 1

LOUDNESS COMPARISON CHART (dBA)

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Jet Fly-over at 1000 ft	110	Rock Band
	100	
Gas Lawn Mower at 3 ft		
	90	Food Blender at 3 ft
Diesel Truck at 50 ft at 50 mph	80	Garbage Disposal at 3 ft
Noisy Urban Area, Daytime		Vacuum Cleaner at 10 ft
Gas Lawn Mower at 100 ft	70	Normal Speech at 3 ft
Commercial Area		
Heavy Traffic at 300 ft	60	Large Business Office
Quiet Urban, Daytime	50	Dishwasher Next Room
Quiet Urban, Nighttime	40	Theater, Large Conference Room (Background)
Quiet Suburban, Nighttime		
	30	Library
Quiet Rural, Nighttime		Bedroom at Night, Concert Hall (Background)
	20	Broadcast/Recording Studio
	10	
Lowest Threshold of Human Hearing	0	Lowest Threshold of Human Hearing

An increase of 3 dBA is barely perceptible to the human ear.

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Effects of Noise on People

The effects of noise on people can be placed in three categories:

- Subjective effects of annoyance, nuisance, and dissatisfaction
- Interference with activities such as speech, sleep, and learning
- Physiological effects such as hearing loss or sudden startling

Environmental noise typically produces effects in the first two categories. Workers in industrial plants can experience noise in the last category. There is no completely satisfactory way to measure the subjective effects of noise or the corresponding reactions of annoyance and dissatisfaction. A wide variation in individual thresholds of annoyance exists and different tolerances to noise tend to develop based on an individual's past experiences with noise.

Thus, an important way of predicting a human reaction to a new noise environment is the way it compares to the existing environment to which one has adapted: the so-called ambient noise level. In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will be judged by those hearing it.

With regard to increases in A-weighted noise level, the following relationships occur:

- Except in carefully controlled laboratory experiments, a change of 1 dBA cannot be perceived;
- Outside of the laboratory, a 3 dBA change is considered a just-perceivable difference;
- A change in level of at least 5 dBA is required before any noticeable change in human response would be expected; and
- A 10 dBA change is subjectively heard as approximately a doubling in loudness, and can cause an adverse response.

Stationary point sources of noise – including stationary mobile sources such as idling vehicles – attenuate (lessen) at a rate of approximately 6 dB per doubling of distance from the source, depending on environmental conditions (i.e. atmospheric conditions and either vegetative or manufactured noise barriers, etc.). Widely distributed noises, such as a large industrial facility spread over many acres, or a street with moving vehicles, would typically attenuate at a lower rate.

EXISTING CONDITIONS

Existing Noise Receptors

The surrounding land uses include an ARCO service station which is located at the northwest corner of Russell Boulevard and Anderson Road. A Rite Aid pharmacy is across Anderson Road to the east. The University of California, Davis campus is located south of the site. Multi-family apartment communities are located immediately north and east of the site.

In the immediate vicinity of the project site, sensitive land uses include the multi-family residential uses to the north. These land uses could potentially experience noise impacts associated with project demolition/construction, increased roadway traffic associated with the project, and delivery vehicles which occur at the north side of the project site.

Existing Ambient Noise Levels

On November 5th - 6th, 2018, j.c. brennan & associates, Inc. staff conducted short-term noise level measurements and continuous 24-hour noise level measurements on the project site to quantify the existing ambient noise environment in the project vicinity. The noise measurement locations are shown on Figure 1. The noise level measurement survey results are provided in Table 2. Appendix B provides the complete results of the continuous noise level measurement survey and the short-term noise level measurements.

Larson Davis Laboratories (LDL) Model 820 and Model 824 precision integrating sound level meters were used for the ambient noise level measurement survey. The meters were calibrated before and after use with an LDL Model CAL200 acoustical calibrator to ensure the accuracy of the measurements. The equipment used meets all pertinent specifications of the American National Standards Institute for Type 1 sound level meters (ANSI S1.4).

The sound level meters were programmed to record the maximum, median, and average noise levels at each site during the survey. The maximum value, denoted L_{max}, represents the highest noise level measured. The average value, denoted L_{eq}, represents the energy average of all of the noise received by the sound level meter microphone during the monitoring period. The median value, denoted L_{50}, represents the sound level exceeded 50 percent of the time during the monitoring period.

TABLE 2: MEASURED AMBIENT NOISE LEVELS
(NOVEMBER 5TH- 6TH, 2018)

Continuous 24-hour Noise Measurement Site								
		Average Measured Hourly Noise Levels, dBA						
			Daytime (7:00 am – 10:00 pm)			**Nighttime (10:00 pm -7:00 am)**		
Site	**Location**	**L_{dn}**	**L_{eq}**	**L_{50}**	**L_{max}**	**L_{eq}**	**L_{50}**	**L_{max}**
A	West Portion of the Project Site	60.8	57.6	53.1	79.6	53.5	47.4	69.6

Short-Term Noise Measurement Sites						
Site	**Location**	**Time**	**L_{eq}**	**L_{50}**	**L_{max}**	**Notes**
1	Southwest on-site	12:00 p.m.	63.3	58.7	77.2	Roadway Traffic / Parking Lot Activity
2	South-central on-site	12:20 p.m.	58.6	55.1	70.8	Some Roadway Traffic / Parking Lot Activity
3	Eastern on-site	12:50 p.m.	56.7	55.0	68.6	Anderson Road Traffic
4	Northeastern on-site	1:20 p.m.	50.4	49.7	60.8	Roadway Traffic
5	Northwestern on-site	2:00 p.m.	53.2	51.2	64.0	Traffic on Sycamore

Source: j.c. brennan & associates, Inc., 2018

Based upon field observations and noise measurement data described above, the existing noise environment at the project site is defined by roadway traffic and noise sources associated with the existing commercial uses. Additional discussions on traffic noise, based upon the noise measurement data, are included later in this report.

Existing Roadway Noise Levels

Traffic volumes for existing conditions were obtained from the project traffic consultant. Truck percentages and vehicle speeds on the local area roadways were estimated from field observations..

Traffic noise levels are generally predicted at 75-feet from the centerline along each project-area roadway segment. Sensitive receptors may be located at distances which vary from the assumed calculation distance and may experience shielding from intervening barriers or sound walls. However, the traffic noise analysis is believed to be representative of the majority of sensitive receptors located closest to the project-area roadway segments analyzed in this report.

Table 3 shows the existing traffic noise levels in terms of L_{dn} along each roadway segment. This table also shows the distances to existing traffic noise contours. A complete listing of the FHWA Model input data is contained in Appendix C.

The actual distances to noise level contours may vary from the distances predicted by the FHWA model due to roadway curvature, grade, shielding from local topography or structures, elevated roadways, or elevated receivers. The distances reported in Table 3 are generally considered to be conservative estimates of noise exposure along the project-area roadways.

TABLE 3: PREDICTED EXISTING TRAFFIC NOISE LEVELS

Roadway	Segment	Ldn, dBA*	Contour Noise Levels (Ldn, dBA)*			
			Distance* (feet)	Distance to Contours (feet)		
				70	65	60
Russell Road	West of Arthur St.	66	75	39	83	179
Russell Road	Arthur St. to S.R. 113	67	75	46	100	215
Russell Road	S.R. 113 to Orchard Park	67	75	51	109	236
Russell Road	Orchard Park to Sycamore Ln.	68	75	51	111	238
Russell Road	Sycamore to Project Driveways	67	75	45	97	209
Russell Road	Project Driveways to Anderson Rd.	68	75	54	117	252
Russell Road	Anderson Rd. to College Park	68	75	53	115	247
Russell Road	College Park to A Street	68	75	55	119	256
Russell Road	A Street to B Street	68	75	54	116	250
Arthur Street	North of Russell Rd.	61	75	19	42	90
Orchard Park	South of Russell Rd.	60	75	15	32	70
Sycamore Lane	Russell Rd. to S. U Mall Driveway	63	75	27	58	125
Sycamore Lane	S. U Mall Driveway to N. U Mall Driveway	62	75	23	50	107
Sycamore Lane	North of Project Site	62	75	23	50	108
La Rue Road	South of Russell Rd.	66	75	42	91	197
Anderson Road	Russell Rd. to Central U Mall Driveways	65	75	35	75	162
Anderson Road	Central U Mall Driveways to N. U Mall Drive	65	75	34	72	156
Anderson Road	North of Project Site	65	75	34	73	156
California Avenue	South of Russell Rd.	61	75	18	40	85
Oak Avenue	North of Russell Rd.	58	75	13	27	58
Howard Way	South of Russell Rd.	63	75	26	56	121
College Park	North of Russell Rd.	56	75	8	18	39
A Street	South of Russell Rd.	58	75	12	26	55
A Street	North of Russell Rd.	55	75	8	17	36
B Street	North of Russell Rd.	62	75	22	46	100
B Street	South of Russell Rd.	65	75	37	79	170

[1] Traffic noise levels do not account for shielding from existing noise barriers or intervening structures. Traffic noise levels may vary depending on actual setback distances and localized shielding.

*All calculations of traffic noise levels and distances to contours are relative to the roadway centerlines.
Source: [Fehr & Peers], j.c. brennan & associates, Inc. - 2019

REGULATORY CONTEXT

FEDERAL

There are no federal regulations related to noise that apply to the Proposed Project.

State

California Environmental Quality Act

The California Environmental Quality Act (CEQA) Guidelines, Appendix G, indicate that a significant noise impact may occur if a project exposes persons to noise levels in excess of local general plans or noise ordinance standards, or cause a substantial permanent or temporary increase in ambient noise levels.

California State Building Codes

The State Building Code, Title 24, Part 2 of the State of California Code of Regulations establishes uniform minimum noise insulation performance standards to protect persons within new buildings which house people, including hotels, motels, dormitories, apartment houses and dwellings other than single-family dwellings. Title 24 mandates that interior noise levels attributable to exterior sources shall not exceed 45 dB L_{dn} or CNEL in any habitable room.

Title 24 also mandates that for structures containing noise-sensitive uses to be located where the L_{dn} or CNEL exceeds 60 dB, an acoustical analysis must be prepared to identify mechanisms for limiting exterior noise to the prescribed allowable interior levels. If the interior allowable noise levels are met by requiring that windows be kept closed, the design for the structure must also specify a ventilation or air conditioning system to provide a habitable interior environment.

LOCAL

City of Davis General Plan

Policy NOISE 1.1 Minimize vehicular and stationary noise sources, and noise emanating from temporary activities.

Standards

a. The City shall strive to achieve the "normally acceptable" exterior noise levels shown in Table 4 (Table 19 of the General Plan) and the target interior noise levels in Table 5 (Table 20 of the General Plan) in future development areas and in currently developed areas.

b. New development shall generally be allowed only in areas where exterior and interior noise levels consistent with Table 4 (Table 19 of the General Plan) and Table 5 (Table 20 of the General Plan) can be achieved.

c. New development and changes in use shall generally be allowed only if they will not adversely impact attainment within the community of the exterior and interior noise standards shown in Table 4 (Table 19 of the General Plan) and Table 5 (Table 20 of the General Plan). Cumulative and project specific impacts by new development on existing residential land uses shall be mitigated consistent with the standards in Table 4 (Table 19 of the General Plan) and Table 5 (Table 20 of the General Plan).

d. Required noise mitigation measures for new and existing housing shall be provided with the first stage and prior to completion of new developments or the completion of capacity-enhancing roadway changes wherever noise levels currently exceed or are projected within 5 years to exceed the normally acceptable exterior noise levels in Table 4 (Table 19 of the General Plan).

TABLE 4: EXTERIOR NOISE LEVEL STANDARDS
(CITY OF DAVIS GENERAL PLAN TABLE 19)

LAND USE CATEGORY	COMMUNITY NOISE EXPOSURE LDN OR CNEL, DBA			
	NORMALLY ACCEPTABLE	CONDITIONALLY ACCEPTABLE	UNACCEPTABLE	CLEARLY UNACCEPTABLE
Residential	Under 60	60-70*	70-75	Above 75
Transient Lodging - Motels, Hotels	Under 60	65-75	75-80	Above 80
Schools, Libraries, Churches, Hospitals, Nursing Homes	Under 60	60-70	70-80	Above 80
Auditoriums, Concert Halls, Amphitheaters	Under 50	50-70	NA	Above 70
Sports Arenas, Outdoor Spectator Sports	NA	Under 75	NA	Above 75
Playgrounds, Neighborhood Parks	Under 70	NA	70-75	Above 75
Golf Courses, Riding Stables, Water Recreation, Cemeteries	Under 70	NA	70-80	Above 80
Office Buildings, Business Commercial and Professional	Under 65	65-75	Above 75	NA
Industrial, Manufacturing, Utilities, Agriculture	Under 65	70-80	Above 80	NA

Normally Acceptable: *Specified land use is satisfactory based upon the assumption that any buildings involved are of normal conventional construction, without special noise insulation requirements.*
Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is conducted, and needed noise attenuation features are included in the construction or development.
Normally Unacceptable: *New construction or development should be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be conducted and needed noise attenuation features shall be included in the construction or development.*
Clearly Unacceptable: *New construction or development shall not be undertaken.*
NA: *Not applicable*
** The City Council shall have discretion within the "conditionally acceptable" range for residential use to allow levels in outdoor spaces to go up to 65 dBA if cost effective or aesthetically acceptable measures are not available to reduce noise levels in outdoor spaces to the "normally acceptable" levels. Outdoor spaces which are designed for visual use only (for example, street-side landscaping in an apartment project), rather than outdoor use space may be considered acceptable up to 70 dBA.*

Source: City of Davis, 2010

TABLE 5: STANDARDS FOR INTERIOR NOISE LEVELS (CITY OF DAVIS GENERAL PLAN TABLE 20)

Use	Noise Level (dBA)
Residences, schools through grade 12, hospitals and churches	45
Offices	55

Source: City of Davis, 2010

Policy NOISE 1.2 Discourage the use of sound walls whenever alternative mitigation measures are feasible, while also facilitating the construction of sound walls where desired by the neighborhood and there is no other way to reduce noise to acceptable exterior levels shown in Table 4 (Table 19 of the General Plan).

Standards

a. Where sound walls are built, they should include dense landscaping along them to mitigate their visual impact, as illustrated in Figure 38 (of the General Plan).

b. Where sound walls are built, they should provide adequate openings and visibility from surrounding areas to increase safety and access, as illustrated in Figure 38 (Of the General Plan). Openings should be designed so as to maintain necessary noise attenuation.

c. Review sound walls and other noise mitigations through the design review process.

GOAL NOISE 2. Provide for indoor noise environments that are conducive to living and working.

Policy NOISE 2.1 Take all technically feasible steps to ensure that interior noise levels can be maintained at the levels shown in Table 5 (Table 20 of the General Plan)

Standards

a. New residential development or construction shall include noise attenuation measures necessary to achieve acceptable interior noise levels shown in Table 5 (Table 20 of the General Plan).

b. Existing areas that will be subjected to noise levels greater than the acceptable noise levels shown in Table 8 (Table 20 of the General Plan) as a result of increased traffic on existing city streets (including streets remaining in existing configurations and streets being widened) shall be mitigated to the acceptable levels in Table 8 (Table 20 of the General Plan). If traffic increases are caused by specific projects, then the City shall be the lead agency in implementing cumulative noise mitigation projects. Project applicants shall pay their fair share for any mitigation.

City of Davis Noise Ordinance

Section 24 of the City of Davis City Code establishes a maximum noise level standard of 55 dB during the hours of 7:00 a.m. to 9:00 p.m., and 50 dB during the hours of 9:00 p.m. to 7:00 a.m. The ordinance defines maximum noise level as the "maximum continuous sound level or repetitive peak level produced by a sound source or group of sources. For the purposes of this analysis, j.c. brennan & associates, Inc. interprets this definition to be equivalent to the average noise level descriptor, Leq. The City Code makes exemptions for certain typical activities which may occur within the city. These exemptions are listed in Article 24.02.040, Special Provisions, and are summarized below:

a) Normal operation of power tools for non-commercial purposes are typically exempted between the hours of 8 am and 8 pm unless the operation unreasonably disturbs the peace and quiet of any neighborhood.

b) Construction or landscape operations would be exempt during the hours of 7am to 7 pm Mondays through Fridays and between the hours of 8 am to 8 pm Saturdays and Sundays assuming that the operations are authorized by valid city permit or business license, or carried out by employees or contractors of the city and one of the following conditions apply (conditions summarized, please see section 24.02.040 of the City Code for the full text):

    1) No piece of equipment produces a noise level exceeding 83 dBA at 25-feet.

    2) The noise level at any point outside the property plane of the project shall not exceed 86 dBA.

    3) Requires that impact equipment and tools be fitted with the best available silencing equipment.

    4) Limits individual powered blowers to a noise level of 70 dBA at 50 feet.

    5) Prohibits more than one blower from simultaneously operating within 100 feet of another blower.

    6) On single-family residential property, the 70 dBA at 50 feet requirement would not apply to blowers operated on single-family residential property.

c) The City Code also exempts air conditioners, pool pumps, and similar equipment from the noise regulations, provided that they are in good working order.

d) Work related to public health and safety is exempt from the noise requirements.

e) Safety devices are exempt from the noise requirements.

f) Emergencies are exempt from the noise requirements.

The noise standards applicable to the project include the relevant portions of the City of Davis General Plan, the City of Davis Noise Ordinance described in the Regulatory Framework section above (Section 3.11.2), and the following standards. Generally, a project may have a significant effect on the environment if it will substantially increase the ambient noise levels for adjoining areas or expose people to severe noise levels. In practice, more specific professional standards have been developed. These standards state that a noise impact may be considered significant if it would generate noise that would conflict with local project criteria or ordinances, or substantially increase noise levels at noise sensitive land uses. The potential increase in traffic noise from the project is a factor in determining significance. Research into the human perception of changes in sound level indicates the following:

- A 3-dB change is barely perceptible,
- A 5-dB change is clearly perceptible, and
- A 10-dB change is perceived as being twice or half as loud.

A limitation of using a single noise level increase value to evaluate noise impacts is that it fails to account for pre-project-noise conditions. Table 6 is based upon recommendations made by the Federal Interagency Committee on Noise (FICON) to provide guidance in the assessment of changes in ambient noise levels resulting from aircraft operations. The recommendations are based upon studies that relate aircraft noise levels to the percentage of persons highly annoyed by the noise. Although the FICON recommendations were specifically developed to assess aircraft noise impacts, it has been accepted that they are applicable to all sources of noise described in terms of cumulative noise exposure metrics such as the Ldn.

Table 6: Significance of Changes in Noise Exposure

Ambient Noise Level Without Project, Ldn	Increase Required for Significant Impact
<60 dB	+5.0 dB or more
60-65 dB	+3.0 dB or more
>65 dB	+1.5 dB or more

Source: Federal Interagency Committee on Noise (FICON)

The test of significance for increases in off-site traffic noise is two-fold. First, traffic noise levels are reviewed to see if the project's contribution to traffic noise would exceed the FICON levels identified in Table 6. If the project's increase in traffic noise levels along surrounding roadways would exceed the FICON criteria shown in Table 6, the proposed project would be considered to have a significant noise impact along that roadway segment.

The second part of the significance test would be applied if the project does not result in the traffic noise level increases shown in Table 6 (i.e., the project does not exceed the FICON criteria). In this case, each roadway segment is assessed to determine:

1). whether the project's traffic noise contribution would cause any new receptors along the roadway to be exposed to exterior noise levels exceeding the Table 4 and Table 5 standards (i.e., the City's General Plan Noise Element standards); and
2) whether the project's traffic would cause any receptor locations already exceeding the values in Table 4 and Table 5 to experience a perceivable increase in noise at these locations, defined as 1.5 dB.

CRITERIA FOR ACCEPTABLE VIBRATION

Vibration is like noise in that it involves a source, a transmission path, and a receiver. While vibration is related to noise, it differs in that noise is generally considered to be pressure waves transmitted through air, whereas vibration usually consists of the excitation of a structure or surface. As with noise, vibration consists of an amplitude and frequency. A person's perception to the vibration will depend on their individual sensitivity to vibration, as well as the amplitude and frequency of the source and the response of the system which is vibrating.

Vibration can be measured in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration measures in terms of peak particle velocities in inches per second. Standards pertaining to perception as well as damage to structures have been developed for vibration levels defined in terms of peak particle velocities.

The City of Davis does not contain specific policies pertaining to vibration levels. However, vibration levels associated with construction activities are discussed in this report.

Human and structural response to different vibration levels is influenced by a number of factors, including ground type, distance between source and receptor, duration, and the number of perceived vibration events. Table 7, which was developed by Caltrans, shows the vibration levels which would normally be required to result in damage to structures. The vibration levels are presented in terms of peak particle velocity in inches per second.

Table 7 indicates that the threshold for architectural damage to structures is 0.20 in/sec p.p.v. and continuous vibrations of 0.10 in/sec p.p.v., or greater, would likely cause annoyance to sensitive receptors.

TABLE 7: EFFECTS OF VARIOUS VIBRATION LEVELS ON PEOPLE AND BUILDINGS

Vibration Level (Peak Particle Velocity)*		Human Reaction	Effect on Buildings
mm/s	in/sec		
0.15-0.30	0.006-0.019	Threshold of perception; possibility of intrusion	Vibrations unlikely to cause damage of any type
2.0	0.08	Vibrations readily perceptible	Recommended upper level of the vibration to which ruins and ancient monuments should be subjected
2.5	0.10	Level at which continuous vibrations begin to annoy people	Virtually no risk of "architectural" damage to normal buildings
5.0	0.20	Vibrations annoying to people in buildings (this agrees with the levels established for people standing on bridges and subjected to relative short periods of vibrations)	Threshold at which there is a risk of "architectural" damage to normal dwelling - houses with plastered walls and ceilings Special types of finish such as lining of walls, flexible ceiling treatment, etc., would minimize "architectural" damage
10-15	0.4-0.6	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Vibrations at a greater level than normally expected from traffic, but would cause "architectural" damage and possibly minor structural damage.

Source: Transportation Related Earthborne Vibrations, Caltrans Experiences. Technical Advisory: TAV-02-01-R9601. February 20, 2002.

IMPACTS AND MITIGATION MEASURES

THRESHOLDS OF SIGNIFICANCE

Appendix G of the CEQA Guidelines states that a project would normally be considered to result in significant noise impacts if noise levels conflict with adopted environmental standards or plans or if noise generated by the project would substantially increase existing noise levels at sensitive receivers on a permanent or temporary basis. Significance criteria for noise impacts are drawn from CEQA Guidelines Appendix G (Items XI [a-f]).

Additional thresholds included in the General Plan EIR also are shown.

Would the project:

a. Expose persons to or generate noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. This is used in conjunction with the substantial increase in noise levels described below under "c". For stationary noise, the limits set in Section 24.02.040 of the City's Noise Ordinance shall be considered the applicable standard;

b. Expose persons to, or generate, excessive groundborne vibration or groundborne noise levels;

c. Cause a substantial permanent increase in ambient noise levels in the project vicinity above existing levels without the project. For the purposes of this project, the FICON criteria shown in Table 6 are applied for transportation-related noise levels. For stationary noise sources, an increase in noise levels of a 5 dB hourly Leq level is used for determining a substantial permanent increase in ambient noise levels. The rationale for the 5 dB increase is based upon the fact that, as discussed earlier, it is the threshold where noise is "clearly perceptible", and for this proposed project, the stationary noise sources generally only occurs a few hours out of each day, and are not a continuous noise source such as roadway traffic;

d. Cause a substantial temporary or periodic increase in ambient noise levels in the project vicinity above existing levels without the project;

e. Expose persons residing or working in the project area to excessive noise levels if located within an airport land use plan or where such a plan has not been adopted within 2 miles of a public airport or public use airport; or

f. Expose persons residing or working in the project area to excessive noise levels if located within the vicinity of a private airstrip.

The proposed project is not located within two miles of a public or private airport, therefore items "e" and "f" are not discussed any further in this study.

PROJECT-SPECIFIC IMPACTS AND MITIGATION MEASURES

Impact 1 Construction and Demolition Noise at Sensitive Receptors

Demolition of existing buildings, and the construction of the Proposed Project would temporarily increase noise levels during construction. This would be a ***potentially significant*** impact.

The new development, maintenance of roadways, installation of public utilities, and infrastructure improvements associated with the project will require construction activities. These activities include the use of heavy equipment and impact tools. Table 8 provides a list of the types of equipment which may be associated with construction and demolition activities and the associated noise levels.

Table 8: Construction / Demolition Equipment Noise

Type of Equipment	Predicted Noise Levels, Lmax dB				Distances to Noise Contours (feet)	
	Noise Level At 20'	Noise Level at 50'	Noise Level at 100'	Noise Level at 200'	70 dB Lmax contour	65 dB Lmax contour
Backhoe	86	78	72	66	126	223
Compactor	91	83	77	71	223	397
Compressor (air)	86	78	72	66	126	223
Concrete Saw	98	90	84	78	500	889
Dozer	90	82	76	70	199	354
Dump Truck	84	76	70	64	100	177
Excavator	89	81	75	69	177	315
Generator	89	81	75	69	177	315
Jackhammer	97	89	83	77	446	792
Pneumatic Tools	93	85	79	73	281	500

Source: Roadway Construction Noise Model User's Guide. Federal Highway Administration. FHWA-HEP-05-054. January 2006. j.c. brennan & associates, Inc. 2016.

Activities involved in project construction would typically generate maximum noise levels ranging from 76 to 90 dB at a distance of 50 feet. The nearest sensitive receptor would be located within 50-feet to the north.

Construction could result in periods of elevated ambient noise levels and the potential for annoyance. However, the City of Davis Noise Ordinance establishes allowable hours of operation and noise limits for construction activities as follows:

24.02.040 Special provisions

(b) Construction and landscape maintenance equipment. Notwithstanding any other provision of this chapter, between the hours of 7:00 a.m. and 7:00 p.m. on Mondays through Fridays, and between the hours of 8:00 a.m. and 8:00 p.m. on Saturdays and Sundays, construction, alteration, repair or maintenance activities which are authorized by valid city permit or business license, or carried out by employees of contractors of the city shall be allowed if they meet at least one of the following noise limitations:

(1) No individual piece of equipment shall produce a noise level exceeding eighty-three dBA at a distance of twenty-five feet. If the device is housed within a structure on the property, the measurement shall be made outside the structure at a distance as close to twenty feet from the equipment as possible.

(2) The noise level at any point outside of the property plane of the project shall not exceed eighty-six dBA.

(3) The provisions of subdivisions (1) and (2) of this subsection shall not be applicable to impact tools and equipment; provided, that such impact tools and equipment shall have intake and exhaust mufflers recommended by manufacturers thereof and approved by the director of public works as best accomplishing maximum noise attenuation, and that pavement breakers and jackhammers shall also be equipped with acoustically attenuating shields or shrouds recommended by the manufacturers thereof and approved by the director of public works as best accomplishing maximum noise attenuation. In the absence of manufacturer's recommendations, the director of public works may prescribe such means of accomplishing maximum noise attenuation as he/she may determine to be in the public interest.

Construction projects located more than two hundred feet from existing homes may request a special use permit to begin work at six a.m. on weekdays from June 15th until September 1st. No percussion type tools (such as ramsets or jackhammers) can be used before 7:00 a.m. The permit shall be revoked if any noise complaint is received by the police department.

(4) No individual powered blower shall produce a noise level exceeding seventy dBA measured at a distance of fifty feet.

(5) No powered blower shall be operated within one hundred feet radius of another powered blower simultaneously.

(6) On single-family residential property, the seventy dBA at fifty feet restriction shall not apply if operated for less than ten minutes per occurrence.

Based upon measured background noise levels, the existing maximum noise levels can be as high as 79 dBA. Assuming ambient maximum noise levels would occur during the same time when noise levels from construction would be 86 dBA (Compliance with the requirement of 86 dBA at the property plane as required in the Noise Ordinance), the overall combined noise level could be as high as 86.8 dBA Lmax. An increase in noise levels of 0.8 dB would not be perceptible to the human ear. However, construction activities would temporarily add to the noise environment in the project vicinity. To ensure that construction activities do not exceed the requirements of the City of Davis Municipal Code Section 24.02.040, or result in a significant increase in noise levels, mitigation measures are included. Temporary construction noise would not result in a significant noise impact, consistent with the City's Noise Ordinance with the following mitigation measures and shall reduce construction noise to a **less than significant** impact.

Mitigation Measure for Impact 1:

MM 1-1 In order to comply with the Municipal Code, the following mitigation measures are required:

1) Comply with the hours of operations between 7:00 a.m. and 7:00 p.m. on Mondays through Fridays, and between the hours of 8:00 a.m. and 8:00 p.m. on Saturdays and Sundays;

2) Impact tools and equipment shall have intake and exhaust mufflers recommended by manufacturers;

3) All equipment shall not exceed 86 dBA outside of the property line. Based upon Table 8, compactors, dozers and excavators shall maintain a distance of 50-feet from the north property line. Concrete saws and jackhammers shall maintain a distance of 100-feet from the nearest property line. If any equipment listed cannot provide either a housing or muffler, or other type of noise suppression equipment to reduce noise levels to 86 dBA or less outside of the property line, then it will require approval by the director of public works;

4) If equipment such as compactors, dozers and excavators will need to be within 50 feet of the north property line, temporary barriers such as "Noise Soaker" curtains can be applied at the construction site fence. The barriers should be 8-feet in height along the north property line. See Appendix D for the brochure on "Sound Soaker" Curtains.

Impact 2: Construction Vibration.

Construction vibration impacts include human annoyance and building structural damage. Human annoyance occurs when construction vibration rises significantly above the threshold of perception. Building damage can take the form of cosmetic or structural. Table 9 shows the typical vibration levels produced by construction equipment.

The primary vibration-generating activities associated with the project would occur when the infrastructure such as utilities, and foundations are constructed. The most significant source of ground-borne vibrations during the project construction would occur from the use of vibratory compactors which may be used for compacting fill-soil where new foundations or footings may be required. Vibratory compactors would generate typical vibration levels of 0.210 in/sec at a distance of 25 feet, and 0.070 at a distance of 50-feet. The closest residential buildings to the project site where construction activities could include vibratory compactors is at a distance of approximately 50 feet. Table 7, above, indicates that the threshold for architectural damage to buildings is 0.20 in/sec. Therefore, based upon Table 9 data, vibratory compactors would not generate vibration levels exceeding safe levels at these distances, therefore mitigation measures would not be required. This is a ***less than significant impact.***

The following mitigation measures will reduce construction vibration to a **less than significant** level.

Mitigation Measure for Impact 2:

None Required

TABLE 9: VIBRATION LEVELS FOR VARIOUS CONSTRUCTION EQUIPMENT

Type of Equipment	Peak Particle Velocity @ 25 feet (inches/second)	Peak Particle Velocity @ 50 feet (inches/second)
Large Bulldozer	0.089	0.029
Loaded Trucks	0.076	0.025
Pile Driving (Sonic)	0.734	0.50
Small Bulldozer	0.003	0.000
Auger/drill Rigs	0.089	0.029
Jackhammer	0.035	0.011
Vibratory Hammer	0.070	0.023
Vibratory Compactor/roller	0.210	0.070

Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Guidelines*, May 2006

Impact 3 Project Generated Traffic Noise at Existing Sensitive Receptors

Traffic generated by the Proposed Project would result in traffic noise level increases of no more than 1 dB. Where existing traffic noise levels currently exceed the City of Davis exterior noise level standards, the project still would not generate traffic noise increases exceeding the substantial increase criterion of 1.5 dB, as outlined above in Table 6. This is a **less than significant** impact.

Traffic noise levels are predicted at locations that are assumed to be typical residential outdoor use areas, where residences exist, for each project-area roadway segment. The actual distances to noise level contours may vary from the distances predicted by the FHWA model due to roadway curvature, grade, shielding from local topography or structures, elevated roadways, or elevated receivers. The distances reported in Table 10 are generally considered to be conservative estimates of noise exposure along the project-area roadways.

Table 10 shows the predicted traffic noise level increases on the local roadway network for the "Existing", "Existing Plus Project", Cumulative No Project, and the Cumulative Plus Project scenarios. Appendix C provides the complete inputs and results of the FHWA traffic noise modeling.

Based upon Table 10, the project will not result in an increase in traffic noise levels of more than 1 dBA at distances representing the nearest outdoor activity areas. In addition, the project will not result in a new exceedance of the City of Davis exterior traffic noise level standards.

This would be a ***less than significant*** impact.

Mitigation Measure for Impact 3:

None Required

TABLE 10: EXISTING - EXISTING + PROJECT - CUMULATIVE - CUMULATIVE + PROJECT TRAFFIC NOISE LEVELS

Roadway	Segment	Traffic Noise Levels (Ldn, dBA)*						
		Distance (feet)	Existing	Existing + Project	Δ Change	Cumulative	Cumulative + Project	Δ Change
Russell Road	West of Arthur St.	75	66	66	0	67	67	0
Russell Road	Arthur St. to S.R. 113	75	67	67	0	68	68	0
Russell Road	S.R. 113 to Orchard Park	75	67	68	+1	69	69	0
Russell Road	Orchard Park to Sycamore Ln.	75	68	68	0	69	69	0
Russell Road	Sycamore To Project Driveways	75	67	67	0	68	68	0
Russell Road	Project Driveways to Anderson Rd.	75	68	68	0	70	70	0
Russell Road	Anderson Rd. to College Park	75	68	68	0	70	70	0
Russell Road	College Park to A Street	75	68	68	0	70	70	0
Russell Road	A Street to B Street	75	68	68	0	70	70	0
Arthur Street	North of Russell Rd.	75	61	61	0	62	62	0
Orchard Park	South of Russell Rd.	75	60	60	0	62	62	0
Sycamore Lane	Russell Rd. to S. U Mall Drivway	75	63	64	+1	64	64	0
Sycamore Lane	S. U Mall Driveway to N. U Mall Driveway	75	62	63	+1	63	63	0
Sycamore Lane	North of Project Site	75	62	63	+1	63	63	0
La Rue Road	South of Russell Rd.	75	66	66	0	68	68	0
Anderson Road	Russell Rd. to Central U Mall Driveways	75	65	65	0	66	66	0
Anderson Road	Central U Mall Driveways to N. U Mall Drive	75	65	65	0	65	66	+1
Anderson Road	North of Project Site	75	65	65	0	65	65	0
California Avenue	South of Russell Rd.	75	61	61	0	62	62	0
Oak Avenue	North of Russell Rd.	75	58	58	0	59	59	0
Howard Way	South of Russell Rd.	75	63	63	0	63	63	0
College Park	North of Russell Rd.	75	56	56	0	57	57	0
A Street	South of Russell Rd.	75	58	58	0	60	60	0
A Street	North of Russell Rd.	75	55	55	0	56	56	0
B Street	North of Russell Rd.	75	62	62	0	64	64	0
B Street	South of Russell Rd.	75	65	65	0	66	66	0

* Distances to predicted traffic noise levels, and traffic noise contours are measured in feet from the centerlines of the Roadways.
Source: Fehr & Peers - j.c. brennan & associates, Inc. - 2019

Impact 4: Compliance with the City of Davis Noise Ordinance Criteria for Stationary Noise Sources, and would not result in a significant increase in overall noise levels at Adjacent Noise Sensitive Receivers.

> *The project contains a loading and receiving area at the north side of the project site. Residential uses are located to the north of the site, and the project will need to comply with the City Noise Ordinance which requires achieving an exterior noise level due to the loading area of 55 dB Leq during the daytime hours of 7:00 a.m. to 9:00 p.m., and 50 dB Leq during the nighttime hours of 9:00 p.m. to 7:00 a.m. at the residences to the north.*

Loading Docks and Truck Circulation Analysis

Based upon the project applicant information, the commercial loading dock with two docks will have a maximum of 20 to 28 large truck deliveries over a seven day period. Since there are two loading docks, it is assumed that up to 2 large eighteen-wheeler truck deliveries could occur per hour. A total of 4 retail spaces are located along the rear loading dock drive aisle, only 2 of which can receive deliveries to the north (back side). All other tenants will receive deliveries to the front of the stores. Some other outdoor uses could occur such as pallet / baling equipment. However, this is expected to occur during the daytime hours.

Large 18-wheeler truck passbys and loading dock operations produce an average Sound Exposure Level (SEL) of 88 dBA at a distance of 50 feet. This includes deliveries, unloading of trucks, and departures. This is based upon j.c. brennan & associates, Inc. file data for truck deliveries at large super markets. This included the use of back-up beepers, revving of engines, and air brake use which may be used during the arrivals / departures, and the loading or unloading from the trucks. It should be noted that the north elevations for the proposed loading docks include sealed loading pads. In other words, the loading / unloading will be contained within the loading docks and the interior of the trucks. The project also includes a partial enclosure wall along the loading docks. In order to calculate the hourly average (L_{eq}) for truck passbys, the following equation can be used:

$$L_{eq} = SEL + 10*\log (\#\ of\ events) - 35.6$$

Where the number of events is 2, and 35.6 is the log of the number of seconds in an hour.

The resulting truck circulation noise levels at a distance of 50-feet is 55 dBA Leq. The project includes sealed loading docks and partial sound walls. However, no sound walls are located along the driveway.

Pallet and Baling Operations Analysis

Based upon the project description, no fork lift operations are expected to occur in the loading areas. Other activities will occur at the rear of the building in the loading areas. This analysis assumes that up to 4 medium trucks such as bread trucks, UPS or Federal Express, or similar will occur at the rear area. In addition there may be some baling operations, although that type of activity is minimal compared to the assumed truck deliveries. Medium truck deliveries generally result in an SEL of approximately 84 dBA at a distance of 50-feet. Using the same methodology shown above, the 4 medium truck deliveries will result in an hourly Leq of 54 dBA.

HVAC Equipment Operations Analysis

All HVAC equipment is located on the roof level of the residential uses, and are shielded by parapets. The HVAC equipment could produce noise levels of 50 dBA at a distance of 50-feet. However, shielding from the roof-line and parapets would result in levels of less than 45 dBA at the nearest residences.

Increases in Loading Dock Noise Levels

Based upon discussions with the project applicant and the City staff, the previous uses had truck deliveries in the rear area, similar to the proposed operations. Thus the CEQA baseline, which, for the purposes of this EIR, is the time the notice of preparation (NOP) was published by the City, pursuant to CEQA Guidelines Section 15125(a)(1), included loading dock operations similar to that which would occur under the proposed project. Therefore, this analysis assumes that the proposed project will not result in a significant increase in loading dock noise levels.

Conclusion

The cumulative hourly noise level from all sources are expected to be 58 dB Leq at the nearest residences. This will exceed the daytime hourly noise level criterion of 55 dBA Leq, and the nighttime noise level criterion of 50 dBA Leq.

This impact is **significant**.

The following mitigation measures will reduce the impact to **less than significant**.

Mitigation for Impact 4

MM 4-1 j.c. brennan & associates, Inc. conducted a barrier analysis as shown in Appendix C. The analysis indicates that a barrier of 8-feet in height would be required to reduce overall noise levels associated with loading docks, truck circulation, and other outdoor noise sources to the daytime (7AM to 9PM) standard of 55 dBA Leq. If nighttime heavy truck deliveries occur, a barrier of 10-feet in height would be required to reduce noise levels to the nighttime (9PM to 7AM) standard of 50 dB Leq. If the applicant restricts heavy truck deliveries to the daytime hours, the 8-foot barrier would be sufficient. At this time, the applicant has not decided whether or not to restrict nighttime heavy truck deliveries. The barrier should be constructed along the north property line of the project site where trucks circulate. The project can eliminate the partial loading dock walls, if desired.

The significance after mitigation is **less than significant.**

Impact 5: Compliance with the City of Davis Traffic Noise Levels at New Sensitive Receptors

> *The proposed project will need to comply with the City of Davis exterior and interior noise level standards at any residential uses. Although this is not a CEQA requirement, The project will be required to comply with the General Plan noise level criteria.*

Exterior Traffic Noise Levels:

The proposed residential uses are located at 345-feet from the Russell Boulevard centerline. Under the Cumulative + Project scenario the 60 dB Ldn/CNEL contour is located at a distance of 336-feet from the Russell Boulevard centerline. The nearest facade of the residential portion of the site will be located approximately 75-feet from the Sycamore Lane centerline. Under the Cumulative + Project scenario, the traffic noise levels from Sycamore Lane would be 63 dB Ldn/CNEL at the nearest on-site residential unit facades. In addition, the project proposes a large common outdoor activity area with a pool and areas for relaxation at the interior of the residential portion of the site. The building facades will reduce traffic noise levels by a minimum of 10 dB, and would result in overall traffic noise levels of less than 55 dB Ldn/CNEL at the common outdoor area and would comply with the City's 60 dB Ldn/CNEL exterior noise level standard.

Interior Traffic Noise Levels:

Modern construction typically provides a 25 dB exterior-to-interior noise level reduction with windows closed. Therefore, sensitive receptors exposed to exterior noise of 70 dB Ldn, or less, will typically comply with the City's 45 dB CNEL/Ldn interior noise level standard. Exterior noise levels over 70 dB Ldn will generally require specific upgrades to the building facades such as upgraded STC rated windows, or details on wall construction improvements. The predicted future traffic noise levels do not exceed 65 dB CNEL/Ldn at the lower floors of the nearest residential buildings. Upper floors are expected to be exposed to traffic noise levels of approximately 68 dB Ldn/CNEL. Therefore, the residential portion of the project will comply with the interior noise level standard of 45 dB Ldn/CNEL.

This would be a ***less than significant*** impact.

Mitigation Measure for Impact 5:

None Required

CUMULATIVE IMPACTS AND MITIGATION MEASURES

The cumulative context for noise impacts associated with the Proposed Project consists of the existing and future noise sources that could affect the project or surrounding uses. Noise generated by construction would be temporary, and would not add to the permanent noise environment or be considered as part of the cumulative context.

Impact 6 Cumulative Noise

The cumulative context for noise impacts associated with the Proposed Project consists of the existing and future noise sources that could affect the project or surrounding uses. Noise generated by construction would be temporary, and would not add to the permanent noise environment or be considered as part of the cumulative context. The total noise impact of the Proposed Project would be fairly small and would not be a substantial increase to the existing future noise environment. Thus, the Proposed Project would result in a ***less than significant cumulative impact.***

Traffic

Cumulative noise impacts would occur primarily as a result of increased traffic on local roadways due to the Proposed Project. Based upon the previous analysis, increases in traffic noise due to the Proposed Project are no more than 1 dB Ldn. The cumulative exterior noise levels will not result in a significant impact.

Non-Traffic Noise

The Proposed Project is a mixed use development. Typical noise sources would include lawn maintenance, people conversing and on-site circulation and loading dock activity. The cumulative noise levels will not result in a significant impact with the proposed mitigation.

Construction activities would comply with the requirements of the City of Davis with respect to hours of operation and muffling of noise-generating equipment.

Cumulative Conclusion

The combination of traffic and non-traffic noise from the Proposed Project would not produce noise levels that would exceed City standards or produce isolated events that could disrupt sleep. Consequently, the total noise impact of the Proposed Project would not be a substantial increase to the future noise environment. The Proposed Project would result in a **less than significant** cumulative impact.

Mitigation for Impact 6

None required

Appendix A
Acoustical Terminology

Acoustics	The science of sound.
Ambient Noise	The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.
Attenuation	The reduction of an acoustic signal.
A-Weighting	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
Decibel or dB	Fundamental unit of sound, A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.
CNEL	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by a factor of three and nighttime hours weighted by a factor of 10 prior to averaging.
Frequency	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz (Hz).
L_{dn}	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
L_{eq}	Equivalent or energy-averaged sound level.
L_{max}	The highest root-mean-square (RMS) sound level measured over a given period of time.
$L_{(n)}$	The sound level exceeded a described percentile over a measurement period. For instance, an hourly L_{50} is the sound level exceeded 50% of the time during the one hour period.
Loudness	A subjective term for the sensation of the magnitude of sound.
Noise	Unwanted sound.
NRC	Noise Reduction Coefficient. NRC is a single-number rating of the sound-absorption of a material equal to the arithmetic mean of the sound-absorption coefficients in the 250, 500, 1000, and 2,000 Hz octave frequency bands rounded to the nearest multiple of 0.05. It is a representation of the amount of sound energy absorbed upon striking a particular surface. An NRC of 0 indicates perfect reflection; an NRC of 1 indicates perfect absorption.
Peak Noise	The level corresponding to the highest (not RMS) sound pressure measured over a given period of time. This term is often confused with the AMaximum@ level, which is the highest RMS level.
RT_{60}	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
Sabin	The unit of sound absorption. One square foot of material absorbing 100% of incident sound has an absorption of 1 Sabin.
SEL	Sound Exposure Level. SEL is s rating, in decibels, of a discrete event, such as an aircraft flyover or train passby, that compresses the total sound energy into a one-second event.
STC	Sound Transmission Class. STC is an integer rating of how well a building partition attenuates airborne sound. It is widely used to rate interior partitions, ceilings/floors, doors, windows and exterior wall configurations.
Threshold of Hearing	The lowest sound that can be perceived by the human auditory system, generally considered to be 0 dB for persons with perfect hearing.
Threshold of Pain	Approximately 120 dB above the threshold of hearing.
Impulsive	Sound of short duration, usually less than one second, with an abrupt onset and rapid decay.
Simple Tone	Any sound which can be judged as audible as a single pitch or set of single pitches.

Appendix B
2018-157 University Mall Redevelopment
24hr Continuous Noise Monitoring - Site A
11/05/2018 - 11/06/2018

Hour	Leq	Lmax	L50	L90
13:00	60	79	52	48
14:00	57	78	53	49
15:00	57	80	53	48
16:00	58	84	53	49
17:00	59	80	55	51
18:00	58	78	54	51
19:00	56	79	53	50
20:00	58	78	53	50
21:00	53	75	51	48
22:00	52	74	49	45
23:00	51	72	48	44
0:00	53	72	45	42
1:00	60	82	46	43
2:00	46	57	44	41
3:00	46	62	45	42
4:00	52	66	50	47
5:00	51	69	48	46
6:00	53	74	50	47
7:00	55	77	53	50
8:00	59	80	56	52
9:00	58	75	53	49
10:00	59	83	53	49
11:00	58	88	52	49
12:00	57	80	52	49

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	59.7	53.2	57.6	59.9	45.8	53.5
Lmax (Maximum)	87.8	75.1	79.6	82.1	56.9	69.6
L50 (Median)	56.3	51.2	53.1	50.3	44.3	47.4
L90 (Background)	52.5	47.5	49.4	47.4	41.5	44.1

Computed Ldn, dB	60.8
% Daytime Energy	81%
% Nighttime Energy	19%

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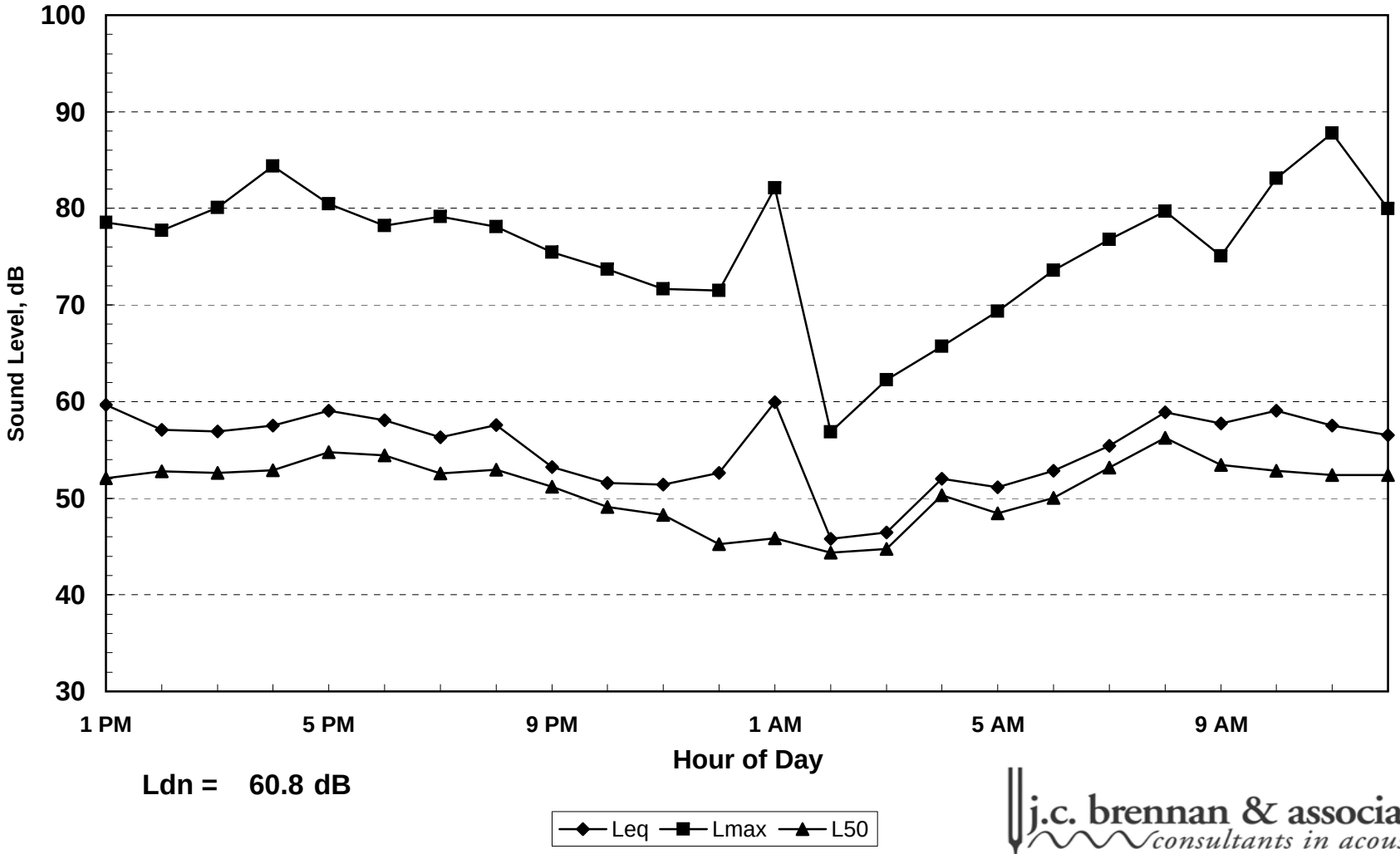
Appendix B

2018-157 University Mall Redevelopment

24hr Continuous Noise Monitoring - Site A

11/05/2018 - 11/06/2018



Ldn = 60.8 dB

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Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Data Input Sheet

Project #: 2018-157
Description: Existing
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Russell Road	West of Arthur Street	10,670	85		15	21	1.5	35	75	
2	Russell Road	Arthur to S.R. 113	14,090	85		15	21	1.5	35	75	
3	Russell Road	S.R. 113 to Orchard Park	16,120	85		15	21	1.5	35	75	
4	Russell Road	Orchard Park to Sycarmore Ln	16,390	85		15	21	1.5	35	75	
5	Russell Road	Sucamore to Project Driveways	13,500	85		15	21	1.5	35	75	
6	Russell Road	Project Driveways to Anderson	17,870	85		15	21	1.5	35	75	
7	Russell Road	Anderson Rd to College Park	17,310	85		15	21	1.5	35	75	
8	Russell Road	College Park to A Street	18,210	85		15	21	1.5	35	75	
9	Russell Road	A Street to B Street	17,620	85		15	21	1.5	35	75	
10	Arthur Street	North of Russell Rd	3,780	85		15	21	1.5	35	75	
11	Orchard Park Dr	South of Russell Rd	2,610	85		15	21	1.5	35	75	
12	Sycamore Lane	Russell Rd to S. U Mall Drive	6,250	85		15	21	1.5	35	75	
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	4,910	85		15	21	1.5	35	75	
14	Sycamore Lane	North of Project Site	5,010	85		15	21	1.5	35	75	
15	La Rue Road	South of Russell Rd	12,320	85		15	21	1.5	35	75	
16	Anderson Road	Russell Rd to Central Umall Driveways	9,170	85		15	21	1.5	35	75	
17	Anderson Road	Central Umall Driveays to N Driveway	8,650	85		15	21	1.5	35	75	
18	Anderson Road	North of Project Site	8,700	85		15	21	1.5	35	75	
19	California Avenue	South of Russell Rd	3,510	85		15	21	1.5	35	75	
20	Oak Avenue	North of Russell Rd	1,970	85		15	21	1.5	35	75	
21	Howard Way	South of Russell Rd	5,960	85		15	21	1.5	35	75	
22	College Park	North of Russell Rd	1,080	85		15	21	1.5	35	75	
23	A Street	South of Russell Rd	1,830	85		15	21	1.5	35	75	
24	A Street	North of Russell Rd	970	85		15	21	1.5	35	75	
25	B Street	North of Russell Rd	4,460	85		15	21	1.5	35	75	
26	B Street	South of Russell Rd	9,910	85		15	21	1.5	35	75	

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Predicted Levels

Project #: 2018-157
Description: Existing
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
1	Russell Road	West of Arthur Street	59.5	63.5	57.3	66
2	Russell Road	Arthur to S.R. 113	60.7	64.7	58.5	67
3	Russell Road	S.R. 113 to Orchard Park	61.3	65.3	59.1	67
4	Russell Road	Orchard Park to Sycarmore Ln	61.4	65.4	59.1	68
5	Russell Road	Sucamore to Project Driveways	60.5	64.6	58.3	67
6	Russell Road	Project Driveways to Anderson	61.8	65.8	59.5	68
7	Russell Road	Anderson Rd to College Park	61.6	65.6	59.4	68
8	Russell Road	College Park to A Street	61.8	65.9	59.6	68
9	Russell Road	A Street to B Street	61.7	65.7	59.5	68
10	Arthur Street	North of Russell Rd	55.0	59.0	52.8	61
11	Orchard Park Dr	South of Russell Rd	53.4	57.4	51.2	60
12	Sycamore Lane	Russell Rd to S. U Mall Drive	57.2	61.2	54.9	63
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	56.1	60.2	53.9	62
14	Sycamore Lane	North of Project Site	56.2	60.3	54.0	62
15	La Rue Road	South of Russell Rd	60.1	64.2	57.9	66
16	Anderson Road	Russell Rd to Central Umall Driveway	58.9	62.9	56.6	65
17	Anderson Road	Central Umall Driveays to N Driveway	58.6	62.6	56.4	65
18	Anderson Road	North of Project Site	58.6	62.7	56.4	65
19	California Avenue	South of Russell Rd	54.7	58.7	52.4	61
20	Oak Avenue	North of Russell Rd	52.2	56.2	49.9	58
21	Howard Way	South of Russell Rd	57.0	61.0	54.7	63
22	College Park	North of Russell Rd	49.6	53.6	47.3	56
23	A Street	South of Russell Rd	51.9	55.9	49.6	58
24	A Street	North of Russell Rd	49.1	53.1	46.9	55
25	B Street	North of Russell Rd	55.7	59.7	53.5	62
26	B Street	South of Russell Rd	59.2	63.2	57.0	65

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Noise Contour Output

Project #: 2018-157
Description: Existing
Ldn/CNEL: Ldn
Hard/Soft: Soft

			-------- Distances to Traffic Noise Contours --------				
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Russell Road	West of Arthur Street	18	39	83	179	386
2	Russell Road	Arthur to S.R. 113	22	46	100	215	464
3	Russell Road	S.R. 113 to Orchard Park	24	51	109	236	508
4	Russell Road	Orchard Park to Sycarmore Ln	24	51	111	238	513
5	Russell Road	Sucamore to Project Driveways	21	45	97	209	451
6	Russell Road	Project Driveways to Anderson	25	54	117	252	544
7	Russell Road	Anderson Rd to College Park	25	53	115	247	532
8	Russell Road	College Park to A Street	26	55	119	256	551
9	Russell Road	A Street to B Street	25	54	116	250	539
10	Arthur Street	North of Russell Rd	9	19	42	90	193
11	Orchard Park Dr	South of Russell Rd	7	15	32	70	151
12	Sycamore Lane	Russell Rd to S. U Mall Drive	13	27	58	125	270
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	11	23	50	107	230
14	Sycamore Lane	North of Project Site	11	23	50	108	233
15	La Rue Road	South of Russell Rd	20	42	91	197	424
16	Anderson Road	Russell Rd to Central Umall Drivewa	16	35	75	162	349
17	Anderson Road	Central Umall Driveays to N Drivewa	16	34	72	156	335
18	Anderson Road	North of Project Site	16	34	73	156	337
19	California Avenue	South of Russell Rd	9	18	40	85	184
20	Oak Avenue	North of Russell Rd	6	13	27	58	125
21	Howard Way	South of Russell Rd	12	26	56	121	262
22	College Park	North of Russell Rd	4	8	18	39	84
23	A Street	South of Russell Rd	6	12	26	55	119
24	A Street	North of Russell Rd	4	8	17	36	78
25	B Street	North of Russell Rd	10	22	46	100	216
26	B Street	South of Russell Rd	17	37	79	170	367

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Data Input Sheet

Project #: 2018-157
Description: Existing + Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Russell Road	West of Arthur Street	10,950	85		15	21	1.5	35	75	
2	Russell Road	Arthur to S.R. 113	14,370	85		15	21	1.5	35	75	
3	Russell Road	S.R. 113 to Orchard Park	16,870	85		15	21	1.5	35	75	
4	Russell Road	Orchard Park to Sycarmore Ln	17,140	85		15	21	1.5	35	75	
5	Russell Road	Sucamore to Project Driveways	13,660	85		15	21	1.5	35	75	
6	Russell Road	Project Driveways to Anderson	18,640	85		15	21	1.5	35	75	
7	Russell Road	Anderson Rd to College Park	18,670	85		15	21	1.5	35	75	
8	Russell Road	College Park to A Street	18,950	85		15	21	1.5	35	75	
9	Russell Road	A Street to B Street	18,360	85		15	21	1.5	35	75	
10	Arthur Street	North of Russell Rd	3,780	85		15	21	1.5	35	75	
11	Orchard Park Dr	South of Russell Rd	2,610	85		15	21	1.5	35	75	
12	Sycamore Lane	Russell Rd to S. U Mall Drive	6,940	85		15	21	1.5	35	75	
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	5,250	85		15	21	1.5	35	75	
14	Sycamore Lane	North of Project Site	5,180	85		15	21	1.5	35	75	
15	La Rue Road	South of Russell Rd	12,430	85		15	21	1.5	35	75	
16	Anderson Road	Russell Rd to Central Umall Driveways	9,710	85		15	21	1.5	35	75	
17	Anderson Road	Central Umall Driveays to N Driveway	9,160	85		15	21	1.5	35	75	
18	Anderson Road	North of Project Site	9,020	85		15	21	1.5	35	75	
19	California Avenue	South of Russell Rd	3,510	85		15	21	1.5	35	75	
20	Oak Avenue	North of Russell Rd	1,980	85		15	21	1.5	35	75	
21	Howard Way	South of Russell Rd	5,960	85		15	21	1.5	35	75	
22	College Park	North of Russell Rd	1,100	85		15	21	1.5	35	75	
23	A Street	South of Russell Rd	1,840	85		15	21	1.5	35	75	
24	A Street	North of Russell Rd	970	85		15	21	1.5	35	75	
25	B Street	North of Russell Rd	4,500	85		15	21	1.5	35	75	
26	B Street	South of Russell Rd	10,190	85		15	21	1.5	35	75	

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Predicted Levels

Project #: 2018-157
Description: Existing + Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
1	Russell Road	West of Arthur Street	59.6	63.6	57.4	66
2	Russell Road	Arthur to S.R. 113	60.8	64.8	58.6	67
3	Russell Road	S.R. 113 to Orchard Park	61.5	65.5	59.3	68
4	Russell Road	Orchard Park to Sycarmore Ln	61.6	65.6	59.3	68
5	Russell Road	Sucamore to Project Driveways	60.6	64.6	58.3	67
6	Russell Road	Project Driveways to Anderson	61.9	66.0	59.7	68
7	Russell Road	Anderson Rd to College Park	61.9	66.0	59.7	68
8	Russell Road	College Park to A Street	62.0	66.0	59.8	68
9	Russell Road	A Street to B Street	61.9	65.9	59.6	68
10	Arthur Street	North of Russell Rd	55.0	59.0	52.8	61
11	Orchard Park Dr	South of Russell Rd	53.4	57.4	51.2	60
12	Sycamore Lane	Russell Rd to S. U Mall Drive	57.6	61.7	55.4	64
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	56.4	60.5	54.2	63
14	Sycamore Lane	North of Project Site	56.4	60.4	54.1	63
15	La Rue Road	South of Russell Rd	60.2	64.2	57.9	66
16	Anderson Road	Russell Rd to Central Umall Driveway	59.1	63.1	56.9	65
17	Anderson Road	Central Umall Driveays to N Driveway	58.9	62.9	56.6	65
18	Anderson Road	North of Project Site	58.8	62.8	56.5	65
19	California Avenue	South of Russell Rd	54.7	58.7	52.4	61
20	Oak Avenue	North of Russell Rd	52.2	56.2	50.0	58
21	Howard Way	South of Russell Rd	57.0	61.0	54.7	63
22	College Park	North of Russell Rd	49.7	53.7	47.4	56
23	A Street	South of Russell Rd	51.9	55.9	49.6	58
24	A Street	North of Russell Rd	49.1	53.1	46.9	55
25	B Street	North of Russell Rd	55.8	59.8	53.5	62
26	B Street	South of Russell Rd	59.3	63.3	57.1	65

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Noise Contour Output

Project #: 2018-157
Description: Existing + Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

			-------- Distances to Traffic Noise Contours --------				
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Russell Road	West of Arthur Street	18	39	85	182	392
2	Russell Road	Arthur to S.R. 113	22	47	101	218	470
3	Russell Road	S.R. 113 to Orchard Park	24	52	113	243	523
4	Russell Road	Orchard Park to Sycarmore Ln	25	53	114	245	529
5	Russell Road	Sucamore to Project Driveways	21	45	98	211	455
6	Russell Road	Project Driveways to Anderson	26	56	121	260	559
7	Russell Road	Anderson Rd to College Park	26	56	121	260	560
8	Russell Road	College Park to A Street	26	57	122	262	566
9	Russell Road	A Street to B Street	26	55	119	257	554
10	Arthur Street	North of Russell Rd	9	19	42	90	193
11	Orchard Park Dr	South of Russell Rd	7	15	32	70	151
12	Sycamore Lane	Russell Rd to S. U Mall Drive	13	29	62	134	289
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	11	24	52	112	240
14	Sycamore Lane	North of Project Site	11	24	51	111	238
15	La Rue Road	South of Russell Rd	20	43	92	198	427
16	Anderson Road	Russell Rd to Central Umall Drivewa	17	36	78	168	362
17	Anderson Road	Central Umall Driveays to N Drivewa	16	35	75	162	348
18	Anderson Road	North of Project Site	16	34	74	160	345
19	California Avenue	South of Russell Rd	9	18	40	85	184
20	Oak Avenue	North of Russell Rd	6	13	27	58	125
21	Howard Way	South of Russell Rd	12	26	56	121	262
22	College Park	North of Russell Rd	4	8	18	39	85
23	A Street	South of Russell Rd	6	12	26	55	119
24	A Street	North of Russell Rd	4	8	17	36	78
25	B Street	North of Russell Rd	10	22	47	101	217
26	B Street	South of Russell Rd	17	37	81	174	374

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Data Input Sheet

Project #: 2018-157
Description: Cumulative No Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Russell Road	West of Arthur Street	13,350	85		15	21	1.5	35	75	
2	Russell Road	Arthur to S.R. 113	17,000	85		15	21	1.5	35	75	
3	Russell Road	S.R. 113 to Orchard Park	21,900	85		15	21	1.5	35	75	
4	Russell Road	Orchard Park to Sycarmore Ln	20,850	85		15	21	1.5	35	75	
5	Russell Road	Sucamore to Project Driveways	17,550	85		15	21	1.5	35	75	
6	Russell Road	Project Driveways to Anderson	26,600	85		15	21	1.5	35	75	
7	Russell Road	Anderson Rd to College Park	26,650	85		15	21	1.5	35	75	
8	Russell Road	College Park to A Street	26,950	85		15	21	1.5	35	75	
9	Russell Road	A Street to B Street	26,100	85		15	21	1.5	35	75	
10	Arthur Street	North of Russell Rd	4,150	85		15	21	1.5	35	75	
11	Orchard Park Dr	South of Russell Rd	4,250	85		15	21	1.5	35	75	
12	Sycamore Lane	Russell Rd to S. U Mall Drive	7,100	85		15	21	1.5	35	75	
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	5,850	85		15	21	1.5	35	75	
14	Sycamore Lane	North of Project Site	5,800	85		15	21	1.5	35	75	
15	La Rue Road	South of Russell Rd	18,900	85		15	21	1.5	35	75	
16	Anderson Road	Russell Rd to Central Umall Driveways	10,500	85		15	21	1.5	35	75	
17	Anderson Road	Central Umall Driveays to N Driveway	9,900	85		15	21	1.5	35	75	
18	Anderson Road	North of Project Site	9,800	85		15	21	1.5	35	75	
19	California Avenue	South of Russell Rd	4,500	85		15	21	1.5	35	75	
20	Oak Avenue	North of Russell Rd	2,300	85		15	21	1.5	35	75	
21	Howard Way	South of Russell Rd	6,200	85		15	21	1.5	35	75	
22	College Park	North of Russell Rd	1,300	85		15	21	1.5	35	75	
23	A Street	South of Russell Rd	3,200	85		15	21	1.5	35	75	
24	A Street	North of Russell Rd	1,200	85		15	21	1.5	35	75	
25	B Street	North of Russell Rd	6,500	85		15	21	1.5	35	75	
26	B Street	South of Russell Rd	11,900	85		15	21	1.5	35	75	

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Predicted Levels

Project #: 2018-157
Description: Cumulative No Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
1	Russell Road	West of Arthur Street	60.5	64.5	58.2	67
2	Russell Road	Arthur to S.R. 113	61.5	65.6	59.3	68
3	Russell Road	S.R. 113 to Orchard Park	62.6	66.7	60.4	69
4	Russell Road	Orchard Park to Sycarmore Ln	62.4	66.4	60.2	69
5	Russell Road	Sucamore to Project Driveways	61.7	65.7	59.4	68
6	Russell Road	Project Driveways to Anderson	63.5	67.5	61.2	70
7	Russell Road	Anderson Rd to College Park	63.5	67.5	61.2	70
8	Russell Road	College Park to A Street	63.5	67.6	61.3	70
9	Russell Road	A Street to B Street	63.4	67.4	61.2	70
10	Arthur Street	North of Russell Rd	55.4	59.4	53.2	62
11	Orchard Park Dr	South of Russell Rd	55.5	59.5	53.3	62
12	Sycamore Lane	Russell Rd to S. U Mall Drive	57.7	61.8	55.5	64
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	56.9	60.9	54.7	63
14	Sycamore Lane	North of Project Site	56.9	60.9	54.6	63
15	La Rue Road	South of Russell Rd	62.0	66.0	59.8	68
16	Anderson Road	Russell Rd to Central Umall Driveway	59.4	63.5	57.2	66
17	Anderson Road	Central Umall Driveays to N Driveway	59.2	63.2	56.9	65
18	Anderson Road	North of Project Site	59.1	63.2	56.9	65
19	California Avenue	South of Russell Rd	55.8	59.8	53.5	62
20	Oak Avenue	North of Russell Rd	52.9	56.9	50.6	59
21	Howard Way	South of Russell Rd	57.2	61.2	54.9	63
22	College Park	North of Russell Rd	50.4	54.4	48.1	57
23	A Street	South of Russell Rd	54.3	58.3	52.0	60
24	A Street	North of Russell Rd	50.0	54.0	47.8	56
25	B Street	North of Russell Rd	57.4	61.4	55.1	64
26	B Street	South of Russell Rd	60.0	64.0	57.7	66

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Noise Contour Output

Project #: 2018-157
Description: Cumulative No Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

			-------- Distances to Traffic Noise Contours --------				
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Russell Road	West of Arthur Street	21	45	96	208	448
2	Russell Road	Arthur to S.R. 113	24	53	113	244	526
3	Russell Road	S.R. 113 to Orchard Park	29	62	134	289	623
4	Russell Road	Orchard Park to Sycarmore Ln	28	60	130	280	603
5	Russell Road	Sucamore to Project Driveways	25	54	116	249	537
6	Russell Road	Project Driveways to Anderson	33	71	153	329	709
7	Russell Road	Anderson Rd to College Park	33	71	153	329	710
8	Russell Road	College Park to A Street	33	72	154	332	715
9	Russell Road	A Street to B Street	32	70	151	325	700
10	Arthur Street	North of Russell Rd	10	21	44	95	205
11	Orchard Park Dr	South of Russell Rd	10	21	45	97	209
12	Sycamore Lane	Russell Rd to S. U Mall Drive	14	29	63	136	294
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	12	26	56	120	258
14	Sycamore Lane	North of Project Site	12	26	55	119	257
15	La Rue Road	South of Russell Rd	26	56	122	262	565
16	Anderson Road	Russell Rd to Central Umall Drivewa	18	38	82	177	381
17	Anderson Road	Central Umall Driveays to N Drivewa	17	37	79	170	367
18	Anderson Road	North of Project Site	17	36	78	169	364
19	California Avenue	South of Russell Rd	10	22	47	101	217
20	Oak Avenue	North of Russell Rd	6	14	30	64	139
21	Howard Way	South of Russell Rd	12	27	58	125	269
22	College Park	North of Russell Rd	4	9	20	44	95
23	A Street	South of Russell Rd	8	17	37	80	173
24	A Street	North of Russell Rd	4	9	19	42	90
25	B Street	North of Russell Rd	13	28	60	129	277
26	B Street	South of Russell Rd	19	41	89	192	415

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Data Input Sheet

Project #: 2018-157
Description: Cumulative + Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Russell Road	West of Arthur Street	13,430	85		15	21	1.5	35	75	
2	Russell Road	Arthur to S.R. 113	17,280	85		15	21	1.5	35	75	
3	Russell Road	S.R. 113 to Orchard Park	22,650	85		15	21	1.5	35	75	
4	Russell Road	Orchard Park to Sycarmore Ln	21,600	85		15	21	1.5	35	75	
5	Russell Road	Sucamore to Project Driveways	17,710	85		15	21	1.5	35	75	
6	Russell Road	Project Driveways to Anderson	27,470	85		15	21	1.5	35	75	
7	Russell Road	Anderson Rd to College Park	27,510	85		15	21	1.5	35	75	
8	Russell Road	College Park to A Street	27,790	85		15	21	1.5	35	75	
9	Russell Road	A Street to B Street	26,940	85		15	21	1.5	35	75	
10	Arthur Street	North of Russell Rd	4,150	85		15	21	1.5	35	75	
11	Orchard Park Dr	South of Russell Rd	4,250	85		15	21	1.5	35	75	
12	Sycamore Lane	Russell Rd to S. U Mall Drive	7,790	85		15	21	1.5	35	75	
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	6,180	85		15	21	1.5	35	75	
14	Sycamore Lane	North of Project Site	5,970	85		15	21	1.5	35	75	
15	La Rue Road	South of Russell Rd	19,010	85		15	21	1.5	35	75	
16	Anderson Road	Russell Rd to Central Umall Driveways	11,140	85		15	21	1.5	35	75	
17	Anderson Road	Central Umall Driveays to N Driveway	10,580	85		15	21	1.5	35	75	
18	Anderson Road	North of Project Site	10,250	85		15	21	1.5	35	75	
19	California Avenue	South of Russell Rd	4,500	85		15	21	1.5	35	75	
20	Oak Avenue	North of Russell Rd	2,310	85		15	21	1.5	35	75	
21	Howard Way	South of Russell Rd	6,200	85		15	21	1.5	35	75	
22	College Park	North of Russell Rd	1,320	85		15	21	1.5	35	75	
23	A Street	South of Russell Rd	3,210	85		15	21	1.5	35	75	
24	A Street	North of Russell Rd	1,200	85		15	21	1.5	35	75	
25	B Street	North of Russell Rd	6,580	85		15	21	1.5	35	75	
26	B Street	South of Russell Rd	12,180	85		15	21	1.5	35	75	

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Predicted Levels

Project #: 2018-157
Description: Cumulative + Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
1	Russell Road	West of Arthur Street	60.5	64.5	58.3	67
2	Russell Road	Arthur to S.R. 113	61.6	65.6	59.4	68
3	Russell Road	S.R. 113 to Orchard Park	62.8	66.8	60.5	69
4	Russell Road	Orchard Park to Sycarmore Ln	62.6	66.6	60.3	69
5	Russell Road	Sucamore to Project Driveways	61.7	65.7	59.5	68
6	Russell Road	Project Driveways to Anderson	63.6	67.6	61.4	70
7	Russell Road	Anderson Rd to College Park	63.6	67.7	61.4	70
8	Russell Road	College Park to A Street	63.7	67.7	61.4	70
9	Russell Road	A Street to B Street	63.5	67.6	61.3	70
10	Arthur Street	North of Russell Rd	55.4	59.4	53.2	62
11	Orchard Park Dr	South of Russell Rd	55.5	59.5	53.3	62
12	Sycamore Lane	Russell Rd to S. U Mall Drive	58.2	62.2	55.9	64
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	57.1	61.2	54.9	63
14	Sycamore Lane	North of Project Site	57.0	61.0	54.7	63
15	La Rue Road	South of Russell Rd	62.0	66.0	59.8	68
16	Anderson Road	Russell Rd to Central Umall Driveway	59.7	63.7	57.5	66
17	Anderson Road	Central Umall Driveays to N Driveway	59.5	63.5	57.2	66
18	Anderson Road	North of Project Site	59.3	63.4	57.1	65
19	California Avenue	South of Russell Rd	55.8	59.8	53.5	62
20	Oak Avenue	North of Russell Rd	52.9	56.9	50.6	59
21	Howard Way	South of Russell Rd	57.2	61.2	54.9	63
22	College Park	North of Russell Rd	50.4	54.5	48.2	57
23	A Street	South of Russell Rd	54.3	58.3	52.1	60
24	A Street	North of Russell Rd	50.0	54.0	47.8	56
25	B Street	North of Russell Rd	57.4	61.4	55.2	64
26	B Street	South of Russell Rd	60.1	64.1	57.8	66

Appendix C

FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Noise Contour Output

Project #: 2018-157
Description: Cumulative + Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	-------- Distances to Traffic Noise Contours -------- 75	70	65	60	55
1	Russell Road	West of Arthur Street	21	45	97	209	450
2	Russell Road	Arthur to S.R. 113	25	53	115	247	532
3	Russell Road	S.R. 113 to Orchard Park	30	64	137	296	637
4	Russell Road	Orchard Park to Sycarmore Ln	29	62	133	286	617
5	Russell Road	Sucamore to Project Driveways	25	54	116	251	541
6	Russell Road	Project Driveways to Anderson	34	72	156	336	724
7	Russell Road	Anderson Rd to College Park	34	73	156	337	725
8	Russell Road	College Park to A Street	34	73	157	339	730
9	Russell Road	A Street to B Street	33	71	154	332	715
10	Arthur Street	North of Russell Rd	10	21	44	95	205
11	Orchard Park Dr	South of Russell Rd	10	21	45	97	209
12	Sycamore Lane	Russell Rd to S. U Mall Drive	15	31	67	145	313
13	Sycamore Lane	S. Umall Drive to N. U Mall Drive	12	27	58	124	268
14	Sycamore Lane	North of Project Site	12	26	56	122	262
15	La Rue Road	South of Russell Rd	26	57	122	263	567
16	Anderson Road	Russell Rd to Central Umall Drivewa	18	40	85	184	397
17	Anderson Road	Central Umall Driveays to N Drivewa	18	38	83	178	383
18	Anderson Road	North of Project Site	17	38	81	174	375
19	California Avenue	South of Russell Rd	10	22	47	101	217
20	Oak Avenue	North of Russell Rd	6	14	30	65	139
21	Howard Way	South of Russell Rd	12	27	58	125	269
22	College Park	North of Russell Rd	4	10	21	44	96
23	A Street	South of Russell Rd	8	17	37	80	173
24	A Street	North of Russell Rd	4	9	19	42	90
25	B Street	North of Russell Rd	13	28	60	130	279
26	B Street	South of Russell Rd	20	42	91	195	421

Appendix D

Barrier Insertion Loss Calculation

Project Information:

Job Number: 2018-157
Project Name: University Commons
Location(s): Loading Dock / Circulation Route

Noise Level Data:

Source Description: Loading Dock Night Use
Source Noise Level, dBA: 58
Source Frequency (Hz): 500
Source Height (ft): 8

Site Geometry:

Receiver Description: Apartments to the North
Source to Barrier Distance (C_1): 25
Barrier to Receiver Distance (C_2): 25

Pad/Ground Elevation at Receiver: 0
Receiver Elevation[1]: 5
Base of Barrier Elevation: 0
Starting Barrier Height 8

Barrier Effectiveness:

Top of Barrier Elevation (ft)	Barrier Height (ft)	Insertion Loss, dB	Noise Level, dB	Barrier Breaks Line of Site to Source?
8	8	-6	52	Yes
9	9	-7	51	Yes
10	10	-8	50	Yes
11	11	-9	49	Yes
12	12	-10	48	Yes
13	13	-11	47	Yes
14	14	-12	46	Yes
15	15	-13	45	Yes
16	16	-14	44	Yes
17	17	-14	44	Yes
18	18	-15	43	Yes

Notes: 1.Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s)

j.c. brennan & associates
consultants in acoustics

Appendix D

Barrier Insertion Loss Calculation

Project Information:

Job Number: 2018-157
Project Name: University Commons
Location(s): Loading Dock / Circulation Route

Noise Level Data:

Source Description: Loading Dock No Heavy
Source Noise Level, dBA: 55
Source Frequency (Hz): 500
Source Height (ft): 8

Site Geometry:

Receiver Description: Apartments to the North
Source to Barrier Distance (C_1): 25
Barrier to Receiver Distance (C_2): 25

Pad/Ground Elevation at Receiver: 0
Receiver Elevation[1]: 5
Base of Barrier Elevation: 0
Starting Barrier Height 8

Barrier Effectiveness:

Top of Barrier Elevation (ft)	Barrier Height (ft)	Insertion Loss, dB	Noise Level, dB	Barrier Breaks Line of Site to Source?
8	8	-6	49	Yes
9	9	-7	48	Yes
10	10	-8	47	Yes
11	11	-9	46	Yes
12	12	-10	45	Yes
13	13	-11	44	Yes
14	14	-12	43	Yes
15	15	-13	42	Yes
16	16	-14	41	Yes
17	17	-14	41	Yes
18	18	-15	40	Yes

Notes: 1.Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s)

j.c. brennan & associates
consultants in acoustics

Appendix H

WEST YOST ASSOCIATES
Consulting Engineers

TECHNICAL MEMORANDUM

DATE: May 7, 2019

Project No.: 011-60-18-68
SENT VIA: EMAIL

TO: Stan Gryzko, City of Davis

FROM: Kambria Tiano, PE, RCE #84129

REVIEWED BY: Jim Connell, PE, RCE #63052 JPC

SUBJECT: Evaluation of University Mall Development Water Demands

The purpose of this Technical Memorandum (TM) is to summarize the water demand and hydraulic evaluation performed by West Yost Associates (West Yost) for the proposed changes to the University Mall development within the City of Davis (City). The results from West Yost's hydraulic evaluation are described in the following sections:

- Proposed Development
- Governing Assumptions
- Estimated Potable Water Demand
- Hydraulic Analysis and Evaluation Results
- Recommendations

PROPOSED DEVELOPMENT

The proposed University Mall development consists of the redevelopment of 8.16 acres of commercial property between Anderson Road, Russell Boulevard, and Sycamore Lane. The project will leave the existing Trader Joe's in service, along with the Arco Gas Station. Neither of those two businesses are part of the project.

The proposed University Mall development consists of 412,500 square feet (SF) of multi-family residential with 894 dwelling units and 136,800 SF of new commercial development. The existing Trader Joe's consists of 13,200 SF and will remain. The proposed commercial development includes a mix of retail, restaurants, services and entertainment venues.

Tie-ins to existing water distribution mains are proposed at the existing 12-inch diameter water line in Sycamore Lane (where Trader Joe's is served), and at the existing 10-inch diameter water line in Anderson Road (where the Arco Gas Station is served). The City's existing elevated 200,000-gallon potable water storage tank, which regulates pressure in the City water system, is located less than 0.5 miles to the northeast of the University Mall.

GOVERNING ASSUMPTIONS

The design and performance criteria used to evaluate the potable water distribution system capacity to serve the proposed development were taken from the City's Water Distribution System Optimization Plan, dated May 2011, and the City's Public Works Design Standards. The City's potable water performance criteria governing West Yost's potable water hydraulic evaluation are listed below:

- Fire flow requirements indicate that 3,500 gpm must be supplied to High-Density Residential land uses during maximum day demand conditions with a minimum residual pressure of 20 pounds per square inch (psi). Sprinklered buildings allow for a 50 percent reduction in the required total fire flow, at the Fire Marshal's discretion.
- Maximum allowed water velocity in pipelines is 10 feet per second (fps).
- Maximum day demand peaking factor equals 2.0 times average day demand.
- Peak hour demand peaking factor equals 1.88 times maximum day demand.[1]
- Minimum pressure allowed during peak hour demand is 35 psi.

The revised future (2030) demand conditions and system operations were assumed based on: (1) the existing conditions provided in the model; (2) feedback from the City;[2] and (3) West Yost's 2018 hydraulic evaluation of the proposed North Davis Meadows service. The assumed operations governing West Yost's potable water hydraulic evaluation of the proposed University Mall redevelopment are listed below:

- Surface water supply is fixed at 10.2 million gallons per day (MGD).
- Demands are set to the 2030 maximum day demands, as provided in the model, which represents buildout conditions.
- Davis Deep Wells are energized to balance the maximum day demand. Though well 30 is not intended to be energized in all instances under existing operations, all deep wells except 28 and 29 would be needed to supply the 2030 maximum day demand conditions.
- Fire flow is initially provided by the elevated tank. Once the water level in the elevated tank declines or local pressures in the system fall below a set point, the East Area Tank pumps and the West Area Tank pumps energize to supplement flows from the elevated tank.

[1] The peak hour demand peaking factor was based on a maximum hour peaking factor of 1.88 at hour 7, as presented in Table 4-1 of the City's 2011 Water Distribution System Optimization Plan. This is slightly more conservative than the peak hour demand peaking factor of 1.8 times the maximum day demand, as outlined in the City's 1991 Public Works Design Standards.

[2] City feedback on potable water distribution system operations was provided to West Yost on November 21, 2017, during the hydraulic evaluation of the proposed North Davis Meadows connection.

- North Davis Meadows is served by the City potable water system. The North Davis Meadows maximum day demand is approximately 424 gpm.

ESTIMATED POTABLE WATER DEMAND

Average day demands were projected by the developer's consultant for the proposed residential and commercial components of the University Mall redevelopment. These values were calculated in accordance with the City's Design Procedures Manual and the USBGC Building Area per Employee by Business Type (dated May 2008) and were provided to West Yost. The existing and proposed site demands are described in the following sections.

Existing Site Maximum Day Demand

The TM provided by the developer[3] estimated the existing site water demands based on the current retail, grocery, restaurant, and medical building land uses on the University Mall project site. The total existing average day demand estimated for the site is 7,170 gallons per day (gpd).

The existing site maximum day demand was estimated by applying a peaking factor of 2.0 to the existing average day demand. The demands provided by the developer total an existing site maximum day demand of 14,340 gpd, or 9.96 gallons per minute (gpm).

Proposed Site Maximum Day Demand

The TM provided by the developer projected the proposed site water demands based on the proposed retail, grocery, restaurant, and multi-family land uses on the University Mall project site. The projected average day residential and commercial demands are 50,958 gpd and 12,420 gpd, respectively, for a total projected average day demand of 63,378 gpd.

The projected site maximum day demand was calculated by applying a peaking factor of 2.0 to the projected average day demand. The demands provided by the developer total a projected site maximum day demand of 126,756 gpd, or 88 gpm.

HYDRAULIC ANALYSIS AND EVALUATION RESULTS

The scope of this analysis involved evaluating the capacity of the existing potable water system under buildout demand conditions to convey the maximum day demand plus fire and peak hour demand conditions associated with the proposed University Mall redevelopment, described in the "Proposed Development" section of this TM.

To simulate the higher water demands associated with the proposed University Mall redevelopment, the existing maximum day demand of 9.96 gpm was replaced by the proposed maximum day demand of 88 gpm at the site location. Existing maximum day demand in the model was globally scaled to peak hour demand by applying the peaking factor of 1.88 times the maximum day demand, resulting in a proposed peak hour demand of 165.4 gpm at the University Mall site.

[3] "University Mall – Domestic Water System Design Report" by BKF Engineers, dated September 11, 2018.

An additional connection to the 10-inch diameter water line in Anderson Road was also added in the model based on the project's proposed site plan provided by the developer. The new 10-inch diameter loop created by the proposed fire water line will include backflow preventers that will prohibit water from flowing through the site (through private water lines) back into the public water system. The model accounted for the backflow preventers by modeling the 10-inch diameter fire water line with check valves at the property boundaries.

Maximum Day Demand plus Fire Flow

As described under the "Governing Assumptions" section, fire flow would be initially provided by the elevated tank. Once the water level in the tank declines or local pressures in the system fall below a set point, the East Area Tank pumps and the West Area Tank pumps are energized to supplement flows from the elevated tank and raise pressures in the system. To confirm that fire flow requirements can be met at the University Mall site under both operations, West Yost modeled the following conditions: (1) fire flow provided exclusively by the elevated tank; and (2) fire flow provided by a combination of the elevated tank and the East Area Tank and West Area Tank pumps.

Under the first condition, West Yost modeled the elevated tank at a water level of 28.7 feet, which is 0.2 feet above the set point that turns on Pump 1 at the West Area Tank. Fire flow is provided exclusively by the elevated tank, and system pressures and supply were shown to be capable of serving the required fire flow. The modeled available fire flow at the University Mall site under the first condition is 4,867 gpm, which is above the required fire flow of 3,500 gpm.

Under the second condition, West Yost modeled the elevated tank at a water level of 25.5 feet. This elevated tank water level triggers on Pump 1 at the West Area Tank and Pump 1 and the East Area Tank to supplement the supply, which raises pressures in the system. Additional lower elevated tank levels were modeled, but elevated tank levels less than 25.5 feet triggers additional pumps to turn on at the West Area Tank and East Area Tank, which boosts the system pressures such that an elevated tank level of 25.5 feet is the limiting condition. The modeled available fire flow at the University Mall site under the second condition is 4,805 gpm, which again is above the required fire flow of 3,500 gpm.

Figure 1 displays the fire flow available at the University Mall site under the second, more conservative condition.

Peak Hour Demand

Under peak hour demand, the system draws from storage and begins draining the elevated storage tank. To model these conditions, West Yost set the elevated tank water level at 21.5 feet. This elevated tank water level triggers on Pumps 1 through 3 at the West Area Tank and Pumps 1 through 3 at the East Area Tank.

The increase in demands during peak hour conditions decrease pressures systemwide by less than 0.5 psi, and some locations on the southern border of the City's potable water service area drop just below 35 psi. However, these reduced system pressures may be an artifact of the modeling and may not accurately represent field conditions. There are no identifiable infrastructure improvements that would alleviate the slight drop in pressures across the system.

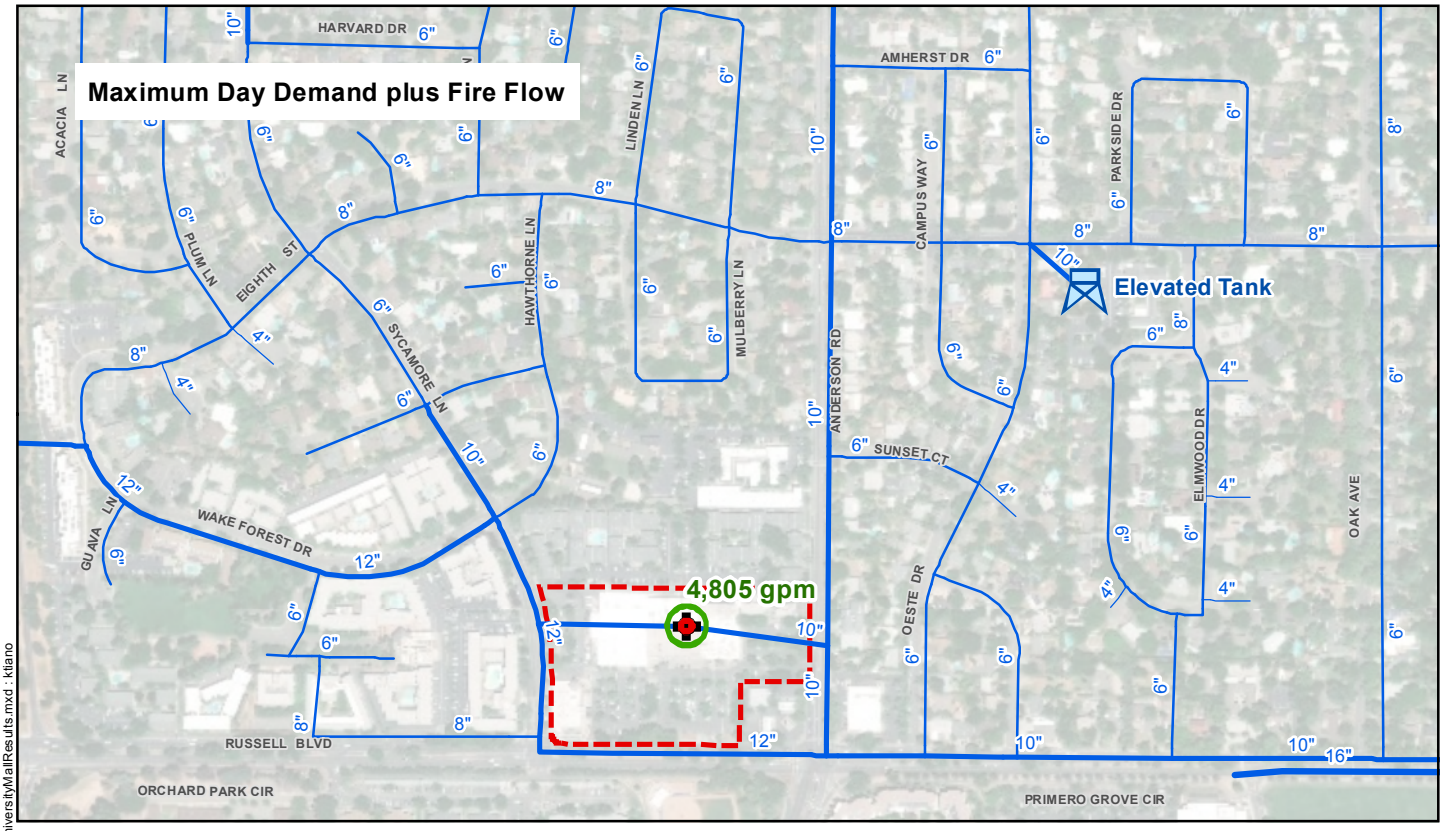
As shown in Figure 1, system pressures in the vicinity of the University Mall redevelopment project remain above the 35 psi minimum during peak hour demand conditions. The model indicated a peak hour demand pressure of 39.4 psi at the University Mall site.

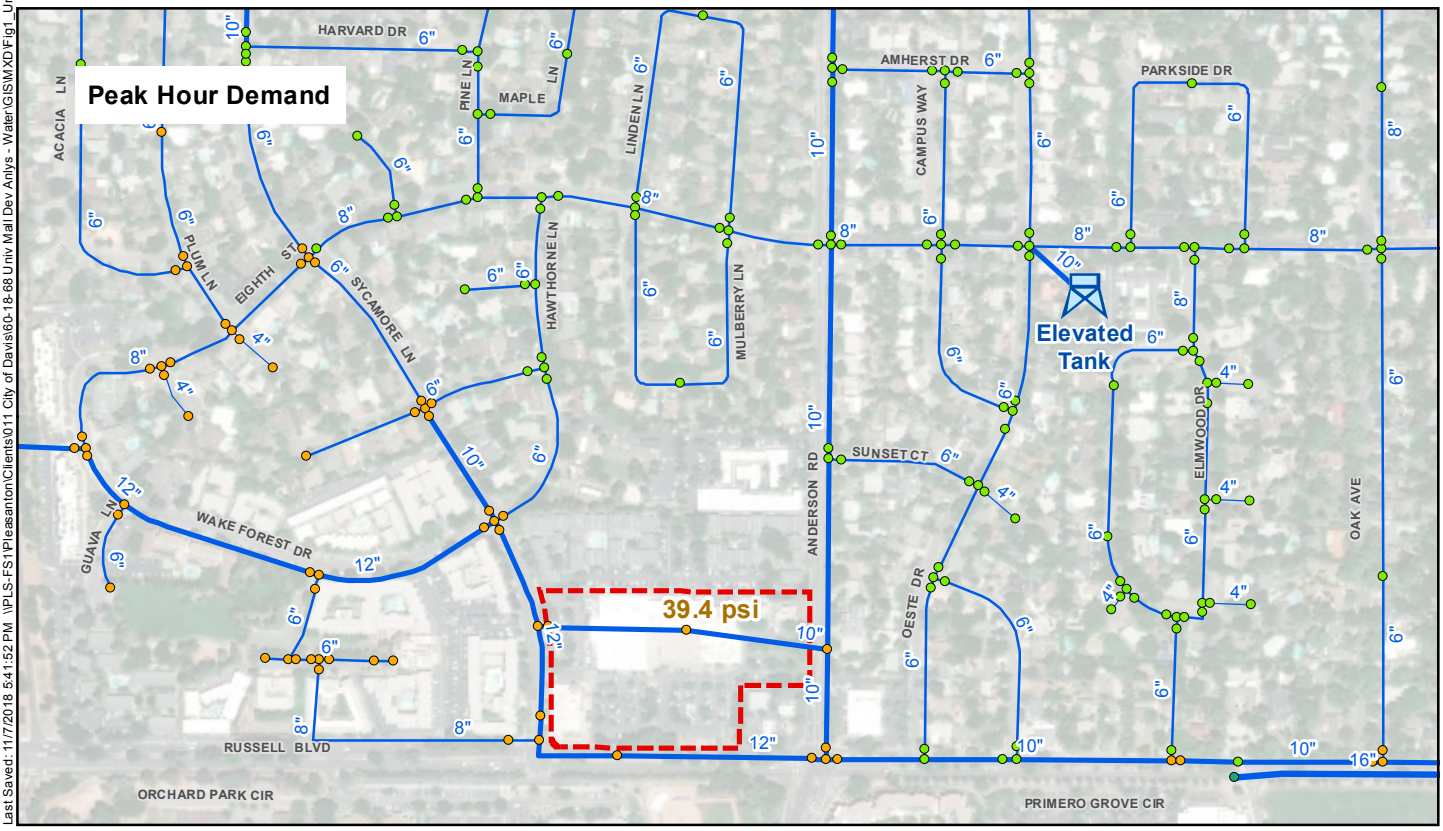
RECOMMENDATIONS

Based on the hydraulic modeling results, additional water demands for the proposed University Mall redevelopment can be accommodated by the existing potable water system infrastructure under buildout demand conditions. The maximum day demand plus fire flow and peak hour demand results, as shown on Figure 1, indicate that the existing potable water pipelines have sufficient capacity to accommodate the increased demands, and no improvements will be required, provided the water system is operated as described above. Differing system operations may produce different results.

The TM provided by the developer references a City Fire Flow test along Russell Boulevard, performed on April 21, 2018, that generated a static pressure of 47 psi and a residual pressure of 42 psi at a total test flow rate of 1,350 gpm. The TM also provides a calculation of 3,356 gpm as the maximum available fire flow at 20 psi. The hydraulic model confirms the City's fire flow test results and indicates that a fire flow of 1,350 gpm along Russell Boulevard would drop local pressures by 3-5 psi, depending on the fire flow location (greater pressure drops are experienced when the 1,350 gpm fire flow is added to locations on the east end of Russell Boulevard). However, the hydraulic model cannot replicate the calculated maximum available fire flow at 20 psi, and instead yields a residual pressure greater than 30 psi when a 3,500 gpm fire flow is applied along Russell Boulevard, adjacent to the University Mall project site.

Prior to approval of the University Mall redevelopment project, West Yost recommends that the City conduct an additional fire flow test along Russell Boulevard near the existing University Mall to confirm fire flow availability. It is recommended that the additional fire flow test is to be performed at a higher flow rate to increase the localized drop in system pressures, which could be attained by adding a second flowing hydrant. The static and residual pressure measurements would be taken at a non-flowing test hydrant.





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Symbology

- University Mall Site
- Evaluated Fire Flow
- Elevated Tank

Peak Hour Pressure

- Less than 35 psi
- 35 psi - 40 psi
- 40 psi - 45 psi
- 45 psi - 50 psi
- Over 50 psi

Model Pipeline Diameter

- Less than 6"
- 6" to 8"
- 10" to 12"
- 14" to 18"
- Greater than 18"

N

0 300 600

Scale in Feet

Davis California

WEST YOST ASSOCIATES

Figure 1

Modeling Results
Potable Water Evaluation

City of Davis
University Mall Project
Proposed Redevelopment Project

Appendix I

WEST YOST ASSOCIATES

TECHNICAL MEMORANDUM

DATE: April 23, 2019

Project No.: 011-60-18-66
SENT VIA: EMAIL

TO: Stan Gryzko, City of Davis

FROM: Patrick Johnston, P.E., RCE #59028

REVIEWED BY: Jon Wells, P.E., RCE #67782

SUBJECT: Evaluation of University Mall Development Sewer Flows and Resulting Infrastructure Needs

This Technical Memorandum (TM) summarizes the findings and conclusions of West Yost Associates' (West Yost) hydraulic evaluation to determine the sewer flows for the proposed Evaluation of University Mall Development Sewer Flows and Resulting Infrastructure Needs (University Mall).

PROPOSED DEVELOPMENT INFORMATION

The proposed University Mall development consists of the redevelopment of 8.16 acres of commercial property between Anderson Road, Russel Boulevard and Sycamore Lane. The project will leave the existing Trader Joe's in service, along with the Arco Gas Station. Neither of those two businesses are part of the project.

The proposed University Mall development consists of 412,500 square feet (sq ft) of multi-family residential with a bed count of 894 and 136,800 sq ft of new commercial development. The existing Trader Joe's consists of 13,200 sq ft and will remain. The proposed commercial development includes a mix of retail, restaurants, services and entertainment venues.

The existing sewer trunk main impacted by the proposed development includes the following areas:

- 10-inch gravity main in Anderson Road between the University Mall development and West 8th Street
- 12-inch gravity main in Anderson Road between West 8th Street and Radcliffe Drive
- 15-inch gravity main in Anderson Road between Radcliffe Drive and West Covell Boulevard
- 30-inch gravity main in West Covell Boulevard between Anderson Road and J Street
- 36-inch gravity main in West Covell Boulevard between J Street and Claremont Drive

The impacted sewer mains continue to the wastewater treatment facility from this location as 42-inch and 48-inch gravity mains.

PLANNING/MODELING CRITERIA

The following planning/modeling criteria were used to analyze the collection system capacity for the University Mall development. These criteria were established based on the City's 2018 System Evaluation and Capacity Assurance Plan (SECAP) and the City Public Works Design Standards.

- Gravity mains were determined to have sufficient capacity when Peak Wet Weather Flows (PWWF) did not cause the maximum flow depth (d) to pipe diameter (D) ratio (d/D ratio) to exceed 0.6.
- A design storm establishes the volume and distribution of rainfall that the collection system will experience during a single rainfall event. A synthetic design storm with a 10-year recurrence interval and 24-hour duration is commonly used to evaluate wastewater collection systems in Northern California and was used for the evaluation in this analysis. According to the National Oceanographic and Atmospheric Administration rainfall atlas the 10-year/24-hour storm used for the PWWF analysis totals 3.40-inches of rainfall.

WASTEWATER FLOW CALCULATION

Average daily sewer flows for the proposed University Mall were calculated for residential and commercial components of the projects per the City's design criteria. These values were provided to and verified by West Yost.

For the University Mall development, the developer has provided information that indicates the average dry weather flow (ADWF) for the University Mall development will be 63,378 gallons per day (gpd), or 0.063 million gallons per day (mgd), which includes the existing development at the site that will remain in service. See Attachment A for details for the flow calculations.

The model developed during the System Evaluation and Capacity Assurance Plan (SECAP) project contains flow projections for buildout conditions in the City of Davis. The model does not contain a set of flows for current flow conditions. The flows for buildout conditions are broken down into sewershed areas. The University Mall development is located within the Area C Sewershed Area. For the SECAP project, within Area C, ADWF values for commercial areas were calculated using a unit flow factor of 1,500 gpd per acre. For the 8.16-acre University Mall site, this calculates an ADWF of 12,240 gpd, or 0.012 mgd.

In the hydraulic model, the existing ADWF of 0.012 mgd was replaced by the proposed ADWF of 0.063 mgd. The proposed ADWF flow was assigned the diurnal pattern that was used in the SECAP analysis for the Area C sewershed. During the model simulation, the diurnal patterns are used in conjunction with the ADWF to calculate the peak dry weather flows (PDWF).

PWWF values were calculated using the RTK method that was used during the SECAP project. The RTK method generates a series of three triangular hydrographs that represent short-term, medium-term, and long-term rainfall response. The RTK parameters include:

1. The area (R) of the graph representing the portion of rainfall falling on a sewershed that enters the sewer collection system;

2. The time (T) from the onset of rainfall to the peak of the triangle; and
3. The ratio (K) of the "time to recession" to the "time to peak" of the hydrograph.

The RTK areas and factors developed during the 2018 SECAP project for each sewershed were left unchanged in the hydraulic model.

ANALYSIS AND FINDINGS

The scope of this analysis involved evaluating the capacity of the existing sewer trunk main impacted by the University Mall development, which is described in the Proposed Development Information section of this TM.

The modeled PWWF values are shown in Table 1 for each of the gravity mains within the study area between the University Mall development and the intersection of West Covell Boulevard and Claremont Drive. The results of the PWWF maximum d/D ratio from the hydraulic analysis are shown in Table 2 for each of the same gravity mains. The gravity mains with d/D ratios of 0.6 are highlighted to identify an exceedance of the City's design criteria. The gravity mains downstream from the intersection of West Covell Boulevard and Claremont Drive were reviewed in the hydraulic analysis but were not included in Tables 1 and 2 as the effect of the increase in flows from the University Mall development was negligible and caused no change in d/D ratio. As can be seen Table 2, the last 14 gravity mains included show no difference in d/D ratios when the flows from the University Mall development are added.

Downstream Infrastructure

The increased flows from the University Mall project have little effect on the downstream infrastructure and cause no changes in which gravity mains meet the d/D criterion.

RECOMMENDATIONS

The sewer flows from the proposed University Mall development can be accommodated by existing collection system infrastructure, without any improvement projects. The gravity mains that were included in this analysis have sufficient capacity to accommodate the wastewater flow from the proposed University Mall development.

The gravity mains highlighted in Table 2 should be evaluated by the City to confirm the slopes through this area. The ability of these gravity mains to meet the planning criteria is unaffected by the additional flows from the University Mall development. Any capacity improvement projects to address capacity deficiencies would be the responsibility of the City.

Table 1. PWWF Results, MGD

Gravity Main ID	Upstream Node ID	Downstream Node ID	Future	
			2018 SECAP	With Project
P11-084.1	P11-084	P11-079	0.136	0.185
P11-079.1	P11-079	P12-059	0.136	0.185
P12-059.1	P12-059	P12-043	0.136	0.185
P12-043.2	P12-043	P11-031	0.333	0.351
P11-031.1	P11-031	P11-025	0.333	0.351
P11-025.1	P11-025	O12-060	0.332	0.350
O12-060.1	O12-060	O12-038	0.331	0.349
O12-038.1	O12-038	O12-028	0.331	0.349
O12-028.1	O12-028	O12-011	0.543	0.562
O12-011.1	O12-011	O12-005	0.747	0.767
O12-005.1	O12-005	O12-001	0.745	0.765
O12-001.1	O12-001	N12-069	0.775	0.795
N12-069.1	N12-069	N12-070	2.798	2.816
N12-070.1	N12-070	N12-071	2.796	2.814
N12-071.1	N12-071	N12-072	2.793	2.810
N12-072.1	N12-072	N12-074	2.822	2.840
N12-074.1	N12-074	N13-042	3.441	3.459
N13-042.1	N13-042	N13-043	3.439	3.457
N13-043.1	N13-043	N13-044	3.473	3.492
N13-044.1	N13-044	N13-045	3.537	3.555
N13-045.1	N13-045	N13-046	5.348	5.366
N13-046.1	N13-046	N13-047	5.338	5.356
N13-047.2	N13-047	O14-001	5.335	5.353
O14-001.1	O14-001	O14-002	5.333	5.351
O14-002.1	O14-002	O14-003	5.440	5.458
O14-003.1	O14-003	O14-004	5.438	5.457

Table 2. PWWF Maximum d/D Results				
			Future	
Gravity Main ID	Upstream Node ID	Downstream Node ID	2018 SECAP	With Project
P11-084.1	P11-084	P11-079	0.35	0.41
P11-079.1	P11-079	P12-059	0.31	0.36
P12-059.1	P12-059	P12-043	0.55	0.57
P12-043.2	P12-043	P11-031	0.46	0.47
P11-031.1	P11-031	P11-025	0.89	0.91
P11-025.1	P11-025	O12-060	0.88	0.91
O12-060.1	O12-060	O12-038	0.33	0.34
O12-038.1	O12-038	O12-028	0.43	0.43
O12-028.1	O12-028	O12-011	0.46	0.46
O12-011.1	O12-011	O12-005	0.46	0.47
O12-005.1	O12-005	O12-001	1.00	1.00
O12-001.1	O12-001	N12-069	1.00	1.00
N12-069.1	N12-069	N12-070	0.77	0.77
N12-070.1	N12-070	N12-071	0.63	0.63
N12-071.1	N12-071	N12-072	0.32	0.32
N12-072.1	N12-072	N12-074	0.41	0.41
N12-074.1	N12-074	N13-042	0.45	0.45
N13-042.1	N13-042	N13-043	0.45	0.45
N13-043.1	N13-043	N13-044	0.36	0.36
N13-044.1	N13-044	N13-045	0.76	0.76
N13-045.1	N13-045	N13-046	0.76	0.76
N13-046.1	N13-046	N13-047	0.71	0.71
N13-047.2	N13-047	O14-001	0.67	0.67
O14-001.1	O14-001	O14-002	0.58	0.58
O14-002.1	O14-002	O14-003	0.47	0.47
O14-003.1	O14-003	O14-004	0.47	0.47

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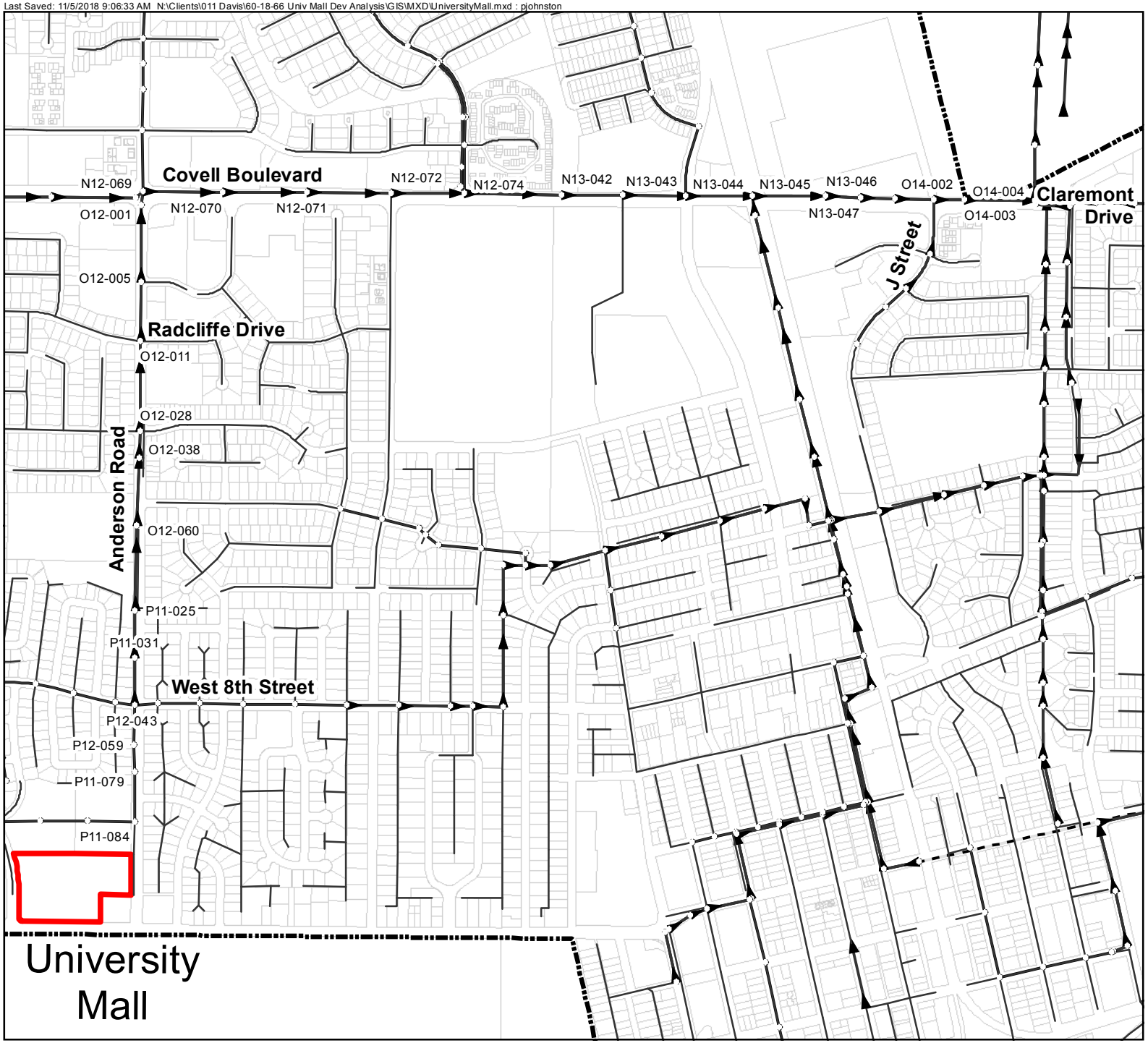

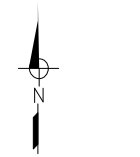

Symbology

- Manholes
- University Mall
- Modeled Gravity Main
- Unmodeled Gravity Main

WEST YOST ASSOCIATES

Figure 1

Analyzed Collection System

City of Davis
University Mall
Wastewater Analysis

ATTACHMENT A

Domestic Water System Design Report

1777 Botelho Drive, Suite 240 Walnut Creek, CA 94596 Phone 925-949-5800 Fax 925 949-5845 westyost.com

September 11, 2018
BKF Job No. 20180439-10

Kevin Fong
City of Davis
Public Works Department
23 Russell Blvd.
Davis, CA 95616

Subject: University Mall
Domestic Water System Design Report

BKF Engineers completed an evaluation of the proposed sewer flows generated for the above referenced project. BKF modeled the proposed system flows using the City of Davis Design Standards dated September 19. 1991 and the Draft Water Supply Assessment prepared for the City of Davis by Brown & Caldwell dated January 2015.

The University Mall project is currently in the process of redeveloping 8.16 acres of existing commercial property between Anderson Road, Russell Blvd and Sycamore Lane. The project will leave the existing on-site Trader Joe's in service along with the Arco Gas Station, which is not part of the project.

The new University Mall development is proposing 412,500 SF (894 Bed Count) of Multifamily Residential and 136,800 SF of new Commercial Development (13,200 SF Trader Joes to remain). This includes mix of retail, restaurants, services and entertainment venues. Breakdown is provided per retail type in the following calculations. We have used the Draft Water Supply Assessment prepared for the City of Davis by Brown & Caldwell dated January 2015, for unit water demands per use type. A peaking factor of 2 was used to determine the Maximum Day Demand. For the Multifamily Residential, we used the 57 Gallons Per Day Per Person (indoor) with a peaking factor of 2.

The domestic system for this project will have a domestic water line (size to be determined) with two points of connection to the City System. Please see the attached utility exhibit for the layout. The system includes a connection at the existing 12" water line on Sycamore Lane (where the Trader Joe's is served), and the existing 10" sewer line on Anderson Road (where the Arco Gas Station is served).

The following water demand data is based on the City of Davis Design Procedures Manual and the USBGC Building Area per Employee by Business Type Dated May, 2008:

Domestic Water Demand Data

Existing:

Retail (383 SF/Employee):	60,932 SF = 160 Employees
Grocery (938 SF/Employee):	13,200 SF = 14 Employees
Restaurant Sit Down (100 SF/Emp.):	28,006 SF = 280 Employees
Medical (207 SF/Employee):	4,949 SF = 24 Employees
Total Employees:	478 Employees
Commercial GDP/Employee:	15 GPD
Site Ave Day Demand:	7,170 gallons per day
Peaking Factor:	2.0
Exist. Site Max Day Demand:	14,340 gall. per day (9.96 gpm)

980 9TH STREET, SUITE 1770
SACRAMENTO, CA 95814
T. (916) 556-5800 ▪ F. (916) 556-5899

Proposed:

Dwelling Units:	894 Multi Family Bed Count
Flow Rate:	57 gpd/person(indoor)
Residential Rate:	50,958 gpd
Peaking Factor:	2.0
Total Residential Demand:	101,916 gall. per day (70.8 gpm)
Grocery (938 SF/Employee):	13,200 SF = 14 Employees
Restaurant Sit Down (100 SF/Emp.):	61,670 SF = 617 Employees
Retail/Service (383 SF/Employee):	75,129 SF = 197 Employees
Total Employees:	828 Employees
Commercial GDP/Employee:	15 GPD
Site Ave Day Demand:	12,420 gallons per day
Peaking Factor:	2.0
Total Commercial Demand:	24,840 gall. per day (17.25 gpm)
Total Max Day Demand:	126,756 gpd (88 gpm)

Fire Water System

The City of Davis Public Works Design Standards recommends and fire flow of 3,500 gpm for High-Density Residential land uses. The University Mall will have sprinklered buildings, which can result in a 50% reduction in the required total fire flow at the Fire Marshal's discretion.

The City Fire Flow test provided for Russell Blvd on April 21, 2018 generated a static pressure of 47 psi, a residual pressure of 42 psi at a total test flow rate of 1350 gpm. This provides a calculated 3,356 gpm at 20 psi. Sufficient fire flow cannot be provided to the project at 20 psi, therefore a sprinklered system will be required.

If you have any questions, please give me a call at (916) 556-5808.

Sincerely,
BKF Engineers

Brandon Mettler, PE
Project Engineer

REGISTERED PROFESSIONAL ENGINEER
BRANDON DOUGLAS METTLER
C 85405
9-30-18
CIVIL
STATE OF CALIFORNIA

NEW MANHOLE
CONNECT TO EX 6" SS

SANITARY
SEWER POC

DOMESTIC
WATER POC

SANITARY
SEWER POC

DOMESTIC
WATER POC

SANITARY
SEWER POC

DOMESTIC
WATER POC

DOMESTIC
WATER POC

SANITARY
SEWER POC

12" W

8" SS

30" SD

15" SD

6" SS

10" W

BFP

10" FW
DW (SIZE TBD)

CONNECT TO
EX 10" W

6" SS

NEW MANHOLE
CONNECT TO
EX 6" SS

CONNECT TO
EX 12" W

CONNECT TO
EX 6" SS

10" FW
DW (SIZE TBD)

NEW
MANHOLE

6" SS

6" SS

SANITARY
SEWER POC

DOMESTIC
WATER POC

6" SS

EXISTING
TRADER JOE'S

EXISTING ARCO GAS STATION
(NOT PART AT PROJECT)

DOMESTIC
WATER POC

SANITARY
SEWER POC

SYCAMORE LANE

ANDERSON ROAD

12" W

RUSSELL BOULEVARD

PRELIMINARY UTILITY PLAN
SCALE: 1" = 30'
SEPTEMBER 11, 2018

BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS
980 9TH ST, STE 1770 SACRAMENTO, CALIFORNIA 916.556.5600

Appendix J

University Commons Project

Transportation Impact Study

Prepared for:
Raney Planning & Management, Inc.

September 2019

RS18-3681

FEHR PEERS

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1. Introduction

This report describes existing transportation conditions (environmental and regulatory) and analyzes the potential of the proposed University Commons Project (the project) to affect the surrounding transportation environment. This report evaluates potential impacts on vehicular, transit, bicycle, and pedestrian components of the transportation system that may result from construction of the proposed project. Project access and internal circulation are also evaluated. Where necessary and feasible, mitigation measures are identified to reduce these impacts.

The following scenarios are analyzed in this study:

- **Existing Conditions –** Establishes the existing setting, which is used to measure the significance of project impacts.
- **Existing Plus Project Conditions –** Adds changes to travel demand resulting from buildout of the proposed project to existing conditions.
- **Cumulative No Project Conditions –** Represents cumulative travel demand based on reasonably foreseeable local and regional land use and transportation system changes. For the purposes of this study, the cumulative year is 2036. This scenario assumes the project site remains as-is (i.e., University Mall as currently occupied).
- **Cumulative Plus Project Conditions –** Adds changes to travel demand resulting from buildout of the proposed project to Cumulative No Project conditions.

Evaluations are performed for each element of the transportation system for each of these scenarios.

2. Analysis Methodology

This section describes the methods utilized to analyze the multi-modal transportation system within the study area.

Roadway System

This study analyzes roadway operating conditions using intersection level of service (LOS) as a primary measure of operational performance. Motorized vehicle LOS is a qualitative measure of traffic flow from the perspective of motorists and is an indication of the comfort and convenience associated with driving. Typical factors that affect motorized vehicle LOS include speed, travel time, traffic interruptions, and freedom to maneuver. Empirical LOS criteria and methods of calculation have been documented in the *Highway Capacity Manual, 6th Edition* (HCM) published by the Transportation Research Board of the National Academies of Science (Transportation Research Board, 2016). The HCM defines six levels of service ranging from LOS A (representing free-flow vehicular traffic conditions with little to no congestion) to LOS F (oversaturated conditions where traffic demand exceeds capacity resulting in long queues and delays). The LOS definitions and calculations contained in the HCM are the prevailing measurement standard used throughout the United States and are used in this study. Motorized vehicle LOS definitions for signalized and unsignalized intersection are discussed below.

The LOS at signalized intersections is based on the average control delay (i.e., delay resulting from initial deceleration, queue move-up time, time stopped on an intersection approach, and final acceleration) experienced per vehicle traveling through the intersection. Table 1 summarizes the relationship between delay and LOS for signalized intersections.

Table 1: Signalized Intersection LOS Criteria

Level of Service	Description	Average Control Delay[1]
A	Volume-to-capacity ratio is low and either progression is exceptionally favorable or cycle length is very short.	≤ 10
B	Volume-to-capacity ratio is low and either progression is highly favorable or the cycle length is short. More vehicles stop than with LOS A.	>10 to 20
C	Progression is favorable or the cycle length is moderate. Individual cycle failures (i.e., one or more queued vehicles are not able to depart as a result of insufficient capacity during the cycle) may begin to appear at this level. The number of vehicles stopping is significant, although many vehicles still pass through the intersection without stopping.	>20 to 35
D	Volume-to-capacity ratio is high and either progression is ineffective or the cycle length is long. Many vehicles stop and individual cycle failures are noticeable.	>35 to 55
E	Volume-to-capacity ratio is high, progression is unfavorable, and the cycle length is long. Individual cycle failures are frequent.	>55 to 80
F	Volume-to-capacity ratio is very high, progression is very poor, and the cycle length is long. Most cycles fail to clear the queue.	>80

Note: [1] Average control delay presented in seconds per vehicle. Delay values are rounded to the nearest second and evaluated for LOS based on the above thresholds (i.e., 10 seconds per vehicle = LOS A).
Source: *Highway Capacity Manual, 6th Edition,* Transportation Research Board, 2016.

Similar to signalized intersections, the HCM 6th Edition methodology for stop-controlled intersections reports the LOS based on the control delay experienced by motorists traveling through the intersection. As shown in Table 2, the delay ranges for stop-controlled intersections are lower than for signalized intersections. The HCM anticipates that motorists expect signalized intersections to carry higher traffic volume that results in greater delay than a stop-controlled intersection. Stop controls are associated with more uncertainty as delays are less predictable, which can reduce users' delay tolerance.

Table 2: Stop-Controlled Intersection LOS Criteria

Level of Service	Average Control Delay[1]
A	≤ 10
B	>10 to 15
C	>15 to 25
D	>25 to 35
E	>35 to 50
F	>50

Note: [1] Average control delay presented in seconds per vehicle. Delay values are rounded to the nearest second and evaluated for LOS based on the above thresholds (i.e., 10 seconds per vehicle = LOS A).
Source: *Highway Capacity Manual, 6th Edition,* Transportation Research Board, 2016.

As described in Chapter 21 of the HCM 6th Edition, the LOS for all-way stop controlled intersections is based on the average control delay for the entire intersection. For side-street stop-controlled intersections, the LOS is determined separately for each minor-street movement (or shared movement) and may also be basis on major-street left-turn movements, per Chapter 20 of the HCM 6th Edition. However, in previous City of Davis traffic studies, the LOS for side-street stop-controlled intersections was based on the average control delay for the intersection as a whole.

To be consistent with both the HCM 6th Edition and recent City of Davis studies, this analysis documents the LOS for side-street stop-controlled intersections in two forms:

- Intersection LOS: based on the weighted average of the control delay experienced by each movement of the intersection. Note that this is not a recognized LOS metric for side-street stop-controlled intersections per the HCM 6th Edition. However, the City of Davis has previously expressed side-street stop-controlled intersection delay using this measure.
- Worst-case LOS: based on the movement (or shared movement) with the greatest control delay at the intersection, which may consist of minor-street stop-controlled movements or major street left-turns.

Note that the term LOS only applies to intersection delay as measured per the HCM 6th Edition. Other forms of assessing intersection delay are acceptable but they should not be associated with a LOS term that was only intended for the specific HCM measurement.

Use of Micro-Simulation Traffic Operations Analysis

This study analyzes 4 of the 23 study intersections using Trafficware's Synchro 10 software. Synchro 10 is a state-of-the-practice traffic operations analysis software that calculates the control delay consistent with the HCM methodology. To account for the effects of turn-pocket overflows, vehicle queuing interactions between adjacent intersections, and interactions between vehicles, bicyclists, and pedestrians, micro-simulation was performed for the remaining 19 study intersections along the Russell Boulevard corridor and the project site frontage (i.e., Sycamore Lane and Anderson Road immediately north of Russell Boulevard).

The SimTraffic 10 micro-simulation software was selected for the Russell Boulevard Corridor and the immediate project site vicinity. SimTraffic is the microsimulation add-on to Trafficware's Synchro software. It captures the nature of driver behavior and models the interaction between vehicles in a study network. SimTraffic better accounts for the effects of turn-pocket queue overflows, queue blocking, queue interactions between adjacent intersections, and pedestrian crossing interactions when compared to conventional, deterministic analysis methods, such as those outlined in the HCM 6th Edition and applied in

Synchro 10. The SimTraffic model was calibrated and validated to existing conditions based on travel time data, peak hour volumes, and observed maximum queue lengths.

Because micro-simulation models rely on the random arrival of vehicles into the network, multiple runs are needed to provide a reasonable level of statistical accuracy and validity. The SimTraffic models were run up to twenty times (each using a different random seed number) and ten of those runs were selected and averaged to determine final model outputs. Selected runs were screened to exclude outliers that under- or over-emphasized delay compared to observed conditions.

Bicycle Facilities

Bicycle Level of Traffic Stress (LTS) refers to a bicyclist's comfort traveling along roadways. Metrics for bicycling LTS were developed at the Mineta Transportation Institute (MTI) and published in the report "Low-Stress Bicycling and Network Connectivity." Factors influencing LTS along corridors include: bicycle separation from vehicle traffic, presence of on-street parking, street width, bike lane width, vehicle speeds, and bike lane blockage. Factors influencing LTS at intersection approaches include: bicycle separation from vehicle traffic, bike lane separation from vehicle right turn lane, bike lane straight or shifted approach to the intersection, right turn lane length, and right turn vehicle speeds.

Bicycle riders vary in experience, skill, ability, and confidence. Different classes of bicyclists are correlated with different levels of "traffic stress" they are willing to experience while cycling. Bicycle LTS criteria span from 1 to 4, with 1 being the least stressful and 4 being the most stressful:

- LTS 1: Most children and elderly riders can tolerate this level of stress and feel safe and comfortable; bicyclists typically require more separation from traffic.
- LTS 2: This is the highest level of stress that the mainstream adult population will tolerate while still feeling safe.
- LTS 3: Bicyclists who are considered "enthused and confident" but still prefer having their own dedicated space for riding will tolerate this level of stress and feel safe while bicycling.
- LTS 4: For bicyclists, this is tolerated only by those characterized as "strong and fearless," which comprises a small percentage of the population. These roadways have high speed limits, multiple travel lanes, limited or non-existent bike lanes and signage, and large distances to cross at intersections.

Pedestrian Facilities

Pedestrian StreetScore+ refers to the measure of pedestrian comfort on sidewalks and paths. StreetScore+ metrics were developed by Fehr & Peers using parameters and best practice guidance provided by the National Association of City Transportation Officials (NACTO) Urban Streets Design Guide (2013). Factors influencing StreetScore+ along corridors include: sidewalk width, sidewalk pavement quality, driveways within sidewalk zone, landscape buffer/street trees, number of roadway lanes, vehicle speeds, lighting, percentage of heavy vehicles on roadway, and crosswalk frequency. Factors influencing StreetScore+ at intersection crossings include: crossing distance, pedestrian signal accessibility, curb ramp accessibility, and presence of channelized right turns. Pedestrian StreetScore+ has a parallel structure to the LTS approach for bicyclists, using the following 1 to 4 scale:

- StreetScore+ 1: Highly comfortable, pedestrian-friendly, and easily navigable for pedestrians of all ages and abilities, including seniors or school-aged children walking unaccompanied to school. These streets provide an ideal "pedestrian-friendly" environment.
- StreetScore+ 2: Generally comfortable for many pedestrians, but parents may not feel comfortable with children walking alone. Seniors may have concerns about the walking environment and take more caution. These streets may be part of a "pedestrian-friendly" environment where it intersects with a more auto-oriented roadway or other environmental constraints.
- StreetScore+ 3: Walking is uncomfortable but possible. Minimum sidewalk and crossing facilities may be present, but barriers are present that make the walking experience uninviting and uncomfortable.
- StreetScore+ 4: Walking is a barrier and is very uncomfortable or even impossible. Streets have limited or no accommodation for pedestrians and are inhospitable and possibly unsafe environment for pedestrians.

Travel Demand Forecasting

This study utilized several tools to forecast travel demand changes associated with the proposed project as well as planned local and regional land use development and transportation system modifications.

Intersection Traffic Volumes

For the purposes of forecasting traffic volumes for the study intersections, the local UC Davis/City of Davis travel demand model was utilized. This model has a base year of 2016 and forecast years of 2030 and 2036. The model was developed in close coordination with the City of Davis and UC Davis in order to

incorporate planned land use and transportation system changes both within the City and its sphere of influence and on the UC Davis campus. The coordination effort included the following elements of model development:

- **TAZ system –** The traffic analysis zone (TAZ) development included review by City and UC Davis staff to ensure sufficient detail for both existing and new growth areas.
- **Land use inputs –** Inputs were initially obtained from the SACOG 2012 parcel database used in developing regional model inputs for the 2016 SACOG MTP/SCS. These inputs were reviewed for each TAZ with City and UC Davis staff to develop a complete inventory representing 2016 conditions, which is the model's base year. Similarly, land use forecasts for 2030 and 2036 conditions were developed in cooperation with City staff and UC Davis staff. Land use forecasts for 2030 and 2036 were based on future land use changes throughout the region projected in the 2016 SACOG MTP/SCS. The land use forecasts were refined based on input from City staff and UC Davis staff according to planned City of Davis General Plan growth, planned UC Davis 2018 Long Range Development Plan (LRDP) growth, approved development projects, pipeline development projects, and other reasonably foreseeable land development activities.
- **Roadway network inputs –** The Local Model roadway network was developed from GIS data representing local, collector, arterial, and freeway functional classifications. Input data included the number of travel lanes and free-flow travel speeds based on the previous UC Davis/City of Davis Local Model developed for the 2003 LRDP update, plus new data from field observations and Google Maps imagery. Capacity inputs for each roadway classification were estimated from reference documents including the HCM 6th Edition and the *Travel Demand Forecasting: Parameters and Techniques, National Cooperative Highway Research Program, Report 716*, (Transportation Research Board, 2012). Changes to the roadway networks for future year scenarios were provided by City and UC Davis staff as noted above.
- **Vehicle trip rates –** The vehicle trip rates were derived from a variety of sources including the UC Davis Campus Travel Survey, the California Household Travel Survey, local residential trip generation estimates based on observed traffic counts, and the Trip Generation Manual, 10th Edition (Institute of Transportation Engineers, 2017). The rates were estimated for the following trip purposes.
    - Home-Based Work (HBW): trips between a residence and a workplace
    - Home-Based Shop (HBS): trips between a residence and a retail destination
    - Home-Based School (HBK): trips between a residence and a school (K-12)
    - Home-Based Other (HBO): trips between a residence and any other destination

- Non-Home-Based (OO): trips that do not begin or end at a residence, such as traveling from a workplace to a restaurant, or from a retail store to a bank
- College (COLL): trips to and from a Community College
- UC Davis (UCD): trips to and from UC Davis
- Highway Commercial (HC): trips to and from highway commercial destinations

- **Vehicle trip lengths and external trip patterns –** The vehicle trip lengths and the proportion of vehicle trips that occur exclusively within the model area versus those that have origins or destinations external to the model area were obtained from the UC Davis Campus Travel Survey, the California Household Travel Survey, and the American Community Survey. This information was extracted for each trip purpose above. Trips traveling through the model area without stopping such as those on I-80, were estimated from the regional SACOG SACSIM model developed for the 2016 SACOG MTP/SCS.
- **Trip assignment –** Trip assignment relies on conventional algorithms that assign trips between origin and destination zones based on travel times that reflect the influence of roadway capacity and speeds. A unique aspect of the assignment process is that UC Davis generated trips had to be associated with parking areas on and off-campus since that is where trips start and end. These parking areas were mapped in collaboration with UC Davis staff and iterative testing of the assignment results was used to refine the association.

The UC Davis/City of Davis travel demand model was applied to generate study intersection traffic volume forecast inputs for the cumulative analysis scenarios described above, as well as to inform the distribution and assignment of project trips under all "plus project" analysis scenarios. Separate model runs were performed for each scenario and the model-produced volume forecasts were extracted for final adjustments to account for differences between the model's base year volume estimates and observed traffic counts. The adjustment involves isolating the incremental change in volume between the base year model and the future year analysis scenario and adding that difference to the baseline (2018) traffic counts. This adjustment process helps to minimize potential errors in the model's base year estimates and is based on the methodology contained in *Analytical Travel Forecasting Approaches for Project-Level Planning and Design, National Cooperative Highway Research Program (NCHRP) Report 765* (Transportation Research Board, 2014). Final traffic volumes are presented as part of the roadway operations analysis described in subsequent sections.

Vehicle Miles Traveled (VMT)

Vehicles miles traveled (VMT) estimates were prepared utilizing the UC Davis/City of Davis travel demand model, the SACMET travel demand model, and the California Household Travel Survey. For project-

generated VMT calculations, the estimated project weekday vehicle trip generation was multiplied by average trip lengths derived from the UC Davis/City of Davis travel demand model, with extra distance appended to project trips with trip ends outside of the local model boundaries using the SACMET travel demand model and the California Household Travel survey (e.g., to capture longer trips to/from the Bay Area that would not otherwise be reflected in the local model). This process was completed separately for the residential and commercial components of the project to reflect the unique travel characteristics of project site visitors, employees, and residents.

The following process was employed to prepare estimates for VMT generated at the local and regional level:

- **Local VMT generated by the City of Davis and UC Davis –** The UC Davis/City of Davis travel demand model was used to estimate VMT associated with trips with trip ends within the model boundaries (i.e., the City of Davis sphere of influence and the UC Davis campus). This model was selected for this purpose due to its smaller TAZ structure relative to other available travel demand models, which allows for a more granular evaluation of trips internal to the model boundaries (i.e., to avoid underreporting VMT associated with internal-internal trips associated with a given TAZ). Extra distance was appended to trips with trip ends outside of the local model boundaries using the SACMET travel demand model and the California Household Travel survey. Land use inputs for the TAZ containing the project site were calibrated to match the observed (for Existing and Cumulative No Project conditions) and estimated (for Existing Plus Project and Cumulative Plus Project conditions) daily trip generation associated with the project site based on driveway traffic counts and the project trip generation estimates described in the Project Travel Characteristics section, respectively.
- **Regional VMT generated by the SACOG region –** The SACMET travel demand model, prepared by SACOG for regional travel demand forecasting purposes, was utilized to estimate VMT associated with trips with trip ends within the model boundaries (i.e., the SACOG region). Extra distance was appended to trips with trip ends outside of the model boundaries using the California Household Travel survey. VMT associated with SACMET trips with trip ends within the City of Davis sphere of influence or the UC Davis campus were deleted and replaced with the VMT calculated from the UC Davis/City of Davis travel demand model as described in the previous step.

3. Environmental Setting

This section describes the existing environmental setting, which is the baseline scenario upon which project-specific impacts are evaluated. The environmental setting components include roadway, pedestrian, bicycle, and transit networks in the vicinity of the project site.

Project Location

The proposed project site is located on the existing University Mall property in the City of Davis, approximately one mile west of Downtown Davis and immediately north of the University of California, Davis (UC Davis) campus. The project site is bordered on the south by Russell Boulevard, on the east by Anderson Road, on the west by Sycamore Lane, and on the north by the Sycamore Lane Apartments. An ARCO gas station is situated immediately southeast of the project site at the corner of the Russell Boulevard/Anderson Road/La Rue Road intersection. Figure 1 displays the project site and surrounding roadway network, as well as intersections included in the transportation analysis.

Roadway System

Russell Boulevard, Sycamore Lane, and Anderson Road provide vehicular access to the project site. Vehicular access to the project site is currently available via nine driveways, two along Sycamore Lane, three along Anderson Road, two along Russell Boulevard, and two connecting with the adjoining ARCO gas station (which can be used for vehicular access to/from Anderson Road and Russell Boulevard). Other key roadways in the project vicinity include La Rue Road, West Eighth Street, and State Route 113 (SR 113). These roadways are described below.

Russell Boulevard is a four-lane, east-west roadway that borders the southern edge of the project site. Russell Boulevard connects West Davis to the west with Central Davis, Downtown Davis, and East Davis to the east. The City of Davis General Plan classifies Russell Boulevard as a major arterial. Within the vicinity of the project site, traffic signals along Russell Boulevard operate in coordination during peak periods. The posted speed limit is 30 miles per hour (mph) between SR 113 and B Street. West of SR 113, the posted speed limit is 35 mph. Unrestricted on-street parking is available on the north side of Russell Boulevard within the vicinity of the project site (including along its frontage). Russell Boulevard continues east until B Street where it becomes Fifth Street. The segment of Russell Boulevard and Fifth Street from SR 113 to the Pole Line Road is classified as a truck route in the City of Davis General Plan.

Anderson Road is a two-lane, north-south roadway that borders the eastern edge of the project site. Anderson Road connects to Central Davis and North Davis to the north and the UC Davis campus to the

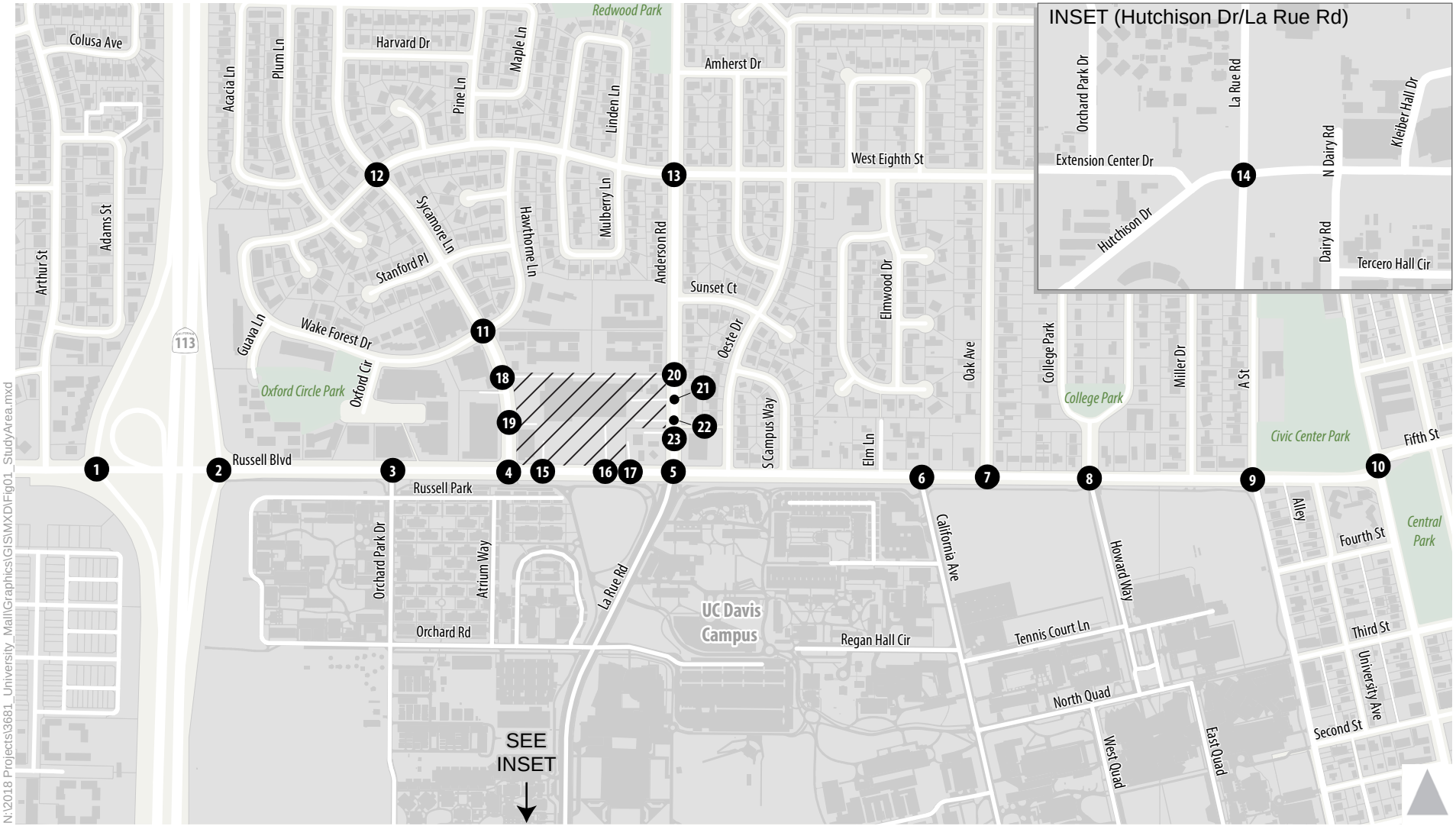
south, where it transitions to La Rue Road south of Russell Boulevard on the UC Davis campus. The City of Davis General Plan classifies Anderson Road as a minor arterial. The posted speed limit is 25 mph between Russell Boulevard and West Eighth Street and 30 mph north of West Eighth Street.

Sycamore Lane is a two-lane, north-south roadway that extends from Russell Boulevard north towards North Davis. The City of Davis General Plan classifies Sycamore Lane as a collector. The posted speed limit is 25 mph between Russell Boulevard and Covell Boulevard.

West Eighth Street is a two-lane, east-west roadway that extends from Sycamore Lane east towards Central Davis and East Davis. The City of Davis General Plan classifies West Eighth Street as a collector between Sycamore Lane and Anderson Road and a minor arterial east of Anderson Road. The posted speed limit is 25 mph within the vicinity of the project site.

State Route 113 (SR 113) is a four-lane, north-south freeway that extends from Interstate 80 (I-80) at the Yolo/Solano County line north to Interstate 5 (I-5) in Woodland. SR 113 north of I-80 currently carries 39,800 daily vehicle trips and operates at Level of Service (LOS) B. Trucks represent approximately eight percent of the total volume.[1] SR 113 would serve as the primary regional roadway providing vehicular access to the project site.

[1] Source: Caltrans, July 2014. From "State Route 113 Transportation Concept Report."



1 Study Intersection

Project Site

Figure 1

Study Area and Analysis Locations

Study Intersections

Study intersections were selected in consultation with City of Davis staff and based on the project's expected travel characteristics (i.e., project location and amount of project trips) as well as facilities susceptible to being impacted by the project. The following 23 intersections were selected for study:

1. Russell Boulevard / SR 113 Southbound Ramps
2. Russell Boulevard / SR 113 Northbound Ramps
3. Russell Boulevard / Orchard Park Drive
4. Russell Boulevard / Sycamore Lane
5. Russell Boulevard / Anderson Road / La Rue Road
6. Russell Boulevard / California Avenue
7. Russell Boulevard / Oak Avenue
8. Russell Boulevard / College Park / Howard Way
9. Russell Boulevard / A Street
10. Russell Boulevard / Fifth Street / B Street
11. Sycamore Lane / Wake Forest Drive
12. Sycamore Lane / West Eighth Street
13. Anderson Road / West Eighth Street
14. La Rue Road / Hutchison Drive
15. Russell Boulevard / West University Mall Driveway
16. Russell Boulevard / East University Mall Driveway
17. Russell Boulevard / West ARCO Driveway
18. Sycamore Lane / North University Mall Driveway
19. Sycamore Lane / South University Mall Driveway
20. Anderson Road / North University Mall Driveway
21. Anderson Road / Central University Mall Driveway
22. Anderson Road / South University Mall Driveway
23. Anderson Road / North ARCO Driveway

Intersections 15 through 23 are private driveways and were included for the purposes of understanding traffic volumes between study intersections and vehicle ingress/egress and queueing at the project site driveways. Unlike intersections 1 through 14, these driveway intersections were not studied for the purposes of identifying transportation impacts on the basis on intersection operations alone. Therefore, peak hour delay and LOS results are not reported for intersections 15 through 23.

Data Collection

Intersection turning movement counts were conducted during the morning (7:00 a.m. to 9:00 a.m.) and evening (4:00 p.m. to 6:00 p.m.) peak periods at the 23 study intersections on Tuesday, May 10, 2018. Intersection counts included volumes for vehicles, bicyclists, and pedestrians. Weather conditions during the traffic counts were dry and sunny. Based on the traffic data collection, the a.m. peak hour within the study area occurred from 8:00 to 9:00 a.m., and the p.m. peak hour occurred from 4:30 to 5:30 p.m.. Peak hour traffic volumes derived from the intersection turning movement counts are illustrated in the Appendix.

Given the proximity of the study intersections to the UC Davis campus and several local schools, counts were conducted during the UC Davis Spring quarter and while local schools were in session to evaluate traffic during typical weekday conditions. Typically, due to the scheduling of UC Davis class blocks, peak period traffic volumes near the UC Davis campus on Tuesdays and Thursdays are higher than those observed on Mondays, Wednesdays, or Fridays. Therefore, the traffic volumes utilized in this study represent "worst case" conditions for typical weekday peak hour intersection operations, particularly along the Russell Boulevard corridor.

Intersection Operations – Existing Conditions

Table 3 and Figure 2 present the a.m. and p.m. peak hour LOS for each study intersection under existing conditions. All intersections operate at or above the applicable LOS standard set by the jurisdiction controlling the intersection (see "Significance Criteria" discussion).

During the a.m. peak hour, vehicle traffic on the Russell Boulevard corridor generally progresses smoothly. Queues generally do not extend to the adjacent upstream intersection and clear within one cycle at signalized intersections, with the following exceptions:

- Eastbound left-turn pocket at the Russell Boulevard/Sycamore Lane intersection, where a.m. peak hour vehicle queues spill back beyond the available turn pocket storage capacity (300 feet) and frequently block the adjacent eastbound through travel lane.
- Southbound approach at the Russell Boulevard/Sycamore Lane intersection, where a.m. peak hour vehicle queues spill back beyond the southern project site driveway on Sycamore Lane. These queues frequently block the bicycle-vehicle mixing zone provided where the southbound bike lane transitions from the curb to in between the left- and right-turn lanes.
- Southbound approach at the Russell Boulevard/Anderson Road/La Rue Road intersection, where a.m. peak hour vehicle queues spill back to the northern project site driveway on Anderson Road.

These queues frequently block the bicycle-vehicle mixing zone provided where the southbound bike lane transitions from the curb to in between the left-turn and through lanes.

During the p.m. peak hour, eastbound and westbound vehicle traffic on Russell Boulevard experiences increased delay, particularly on the segment between Sycamore Lane and A Street. During a 15- to 20-minute timeframe, queues frequently extend through adjacent upstream intersections and fail to clear within one cycle at signalized intersections. These concentrations of congested conditions are the result of several factors. First, the signals along Russell Boulevard, although interconnected, do not currently operate in a manner that facilitates efficient through movement of vehicles. Second, very high northbound side-street demand (i.e., from the UC Davis campus) requires allocation of green time at signals that would otherwise be utilized to progress eastbound and westbound traffic. Third, frequent pedestrian calls for service across Russell Boulevard contribute to more lengthy queues in the east and west directions, which causes corridor operations to frequently "fall out of coordination". The congested conditions described above can also block vehicular ingress/egress at project driveways, particularly the western driveway on Russell Boulevard. Note that these conditions are typically concentrated within a 15- to 20-minute window and do not persist for the duration of the peak hour (as reflected in the peak hour delay and LOS results in Table 3).

The four unsignalized study intersections were evaluated to determine if they satisfy the peak hour warrant for consideration of a traffic signal. The Russell Boulevard/Orchard Park Drive and Russell Boulevard/California Avenue intersections currently meets the peak hour warrant during the p.m. peak hour. The Sycamore Lane/Wake Forest Drive and Sycamore Lane/West Eighth Street intersections do not meet the peak hour warrant for a traffic signal.

Table 3: Peak Hour Intersection Operations – Existing Conditions

Intersection	Traffic Control	Jurisdiction	Peak Hour	Existing Conditions	
				Delay	LOS
1. Russell Blvd./SR 113 SB Ramps	Signal	Caltrans	A.M.	8	A
			P.M.	7	A
2. Russell Blvd./SR 113 NB Ramps	Signal	Caltrans	A.M.	17	B
			P.M.	25	C
3. Russell Blvd./Orchard Park Dr.	SSSC	City of Davis	A.M.	3 (31)	A (D)
			P.M.	5 (41)	A (E)
4. Russell Blvd./Sycamore Lane	Signal	City of Davis	A.M.	21	C
			P.M.	24	C
5. Russell Blvd./Anderson Road/La Rue Road	Signal	City of Davis	A.M.	28	C
			P.M.	26	C
6. Russell Blvd./California Ave.	SSSC	City of Davis	A.M.	5 (17)	A (C)
			P.M.	5 (20)	A (C)
7. Russell Blvd./Oak Ave.	Signal	City of Davis	A.M.	12	B
			P.M.	10	A
8. Russell Blvd./College Park/Howard Way	Signal	City of Davis	A.M.	17	B
			P.M.	39	D
9. Russell Blvd./A St.	Signal	City of Davis	A.M.	21	B
			P.M.	24	C
10. Russell Blvd./Fifth St./B St.	Signal	City of Davis	A.M.	27	C
			P.M.	19	B
11. Sycamore Lane/Wake Forest Dr.	SSSC	City of Davis	A.M.	3 (18)	A (C)
			P.M.	3 (17)	A (C)
12. Sycamore Lane/West Eighth St.	AWSC	City of Davis	A.M.	10 (10)	A (B)
			P.M.	9 (9)	A (A)
13. Anderson Rd./West Eighth St.	Signal	City of Davis	A.M.	22	C
			P.M.	19	B
14. La Rue Rd./Hutchison Dr.	Signal	UC Davis	A.M.	17	B
			P.M.	22	C

Note: For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side-street stop-controlled intersections, average intersection delay is reported in seconds per vehicle for all approaches with the delay and LOS for the worst-case movement reported in parentheses.

Source: Fehr & Peers, 2019.

Intersection
Level of Service (LOS)

A-C D E F Driveway

Note: Intersections 3, 6, and 11 are reporting worst movement delay.

Figure 2

Peak Hour Intersection Level of Service
Existing Conditions

View of eastbound left-turn queue spillback at the Russell Boulevard/Sycamore Lane intersection.

View of bicycle-vehicle conflicts at the Russell Boulevard/Anderson Road/La Rue Road intersection southbound approach.

View of the southbound approach at the Russell Boulevard/Sycamore Lane intersection. Queued right-turning vehicles can be seen blocking the bicycle-vehicle mixing zone for the southbound bike lane.

View of the northbound approach at the Russell Boulevard/California Avenue intersection.

View of the northbound queue spillback at the Russell Boulevard/College Park/Howard Way intersection during the p.m. peak hour.

View of the westbound queue at the Russell Boulevard/Sycamore Lane intersection blocking vehicle egress from the western project site driveway on Russell Boulevard during the p.m. peak hour.

Bicycle Facilities

Bicycle facilities are typically categorized in the following classifications:

- **Class I Multi-Use Off-Street Paths** (also known as shared-use paths) are paved trails that are separated from roadways and allow for shared use by both cyclists and pedestrians.
- **Class II On-Street Bike Lanes** are designated for use by bicycles by striping, pavement legends, and signs.
- **Class III On-Street Bike Routes** are designated by signage for shared bicycle use with vehicles but do not necessarily include any additional pavement width for bicyclists.
- **Class IV Separated Bikeways** (also known as protected bikeways or cycle tracks) are separated bikeways improve upon buffered bike lanes by providing vertical separation between bike lanes and the adjacent travel lanes. Vertical separation can be provided with concrete curb and gutter, bollards or on-street parking.

Figure 3 displays existing bicycle facilities within the project vicinity. A Class I shared-use path (typically 14 feet wide) is present on the south side of Russell Boulevard on the UC Davis campus throughout the study area, providing connections between West Davis, Central Davis, UC Davis, and Downtown Davis. Between SR 113 and A Street, the Russell Boulevard shared-use path provides several connections south into the UC Davis campus off-street path network. Two of these path connections are located immediately across Russell Boulevard from the project site on either side of the UC Davis softball field (between Sycamore Lane and Anderson Road), including a path of the west side of La Rue Road. A Class I shared-use path is also present on the north side of Russell Boulevard between Sycamore Lane and SR 113, providing bicycle connections north to the apartment complexes within the Oxford Circle vicinity. A Class I shared-use path is also present between the project site and Mulberry Lane, bisecting the Sycamore Lane Apartments immediately north of the project site.

Class II bike lanes are present on Sycamore Lane and Anderson Road along the project site frontage, providing bicycle connectivity north into Central and North Davis and south into the UC Davis campus. Several crossing treatments facilitate bicycle movements across Russell Boulevard to/from these bike lanes. A dedicated bicycle signal phase serves bicyclists utilizing the Russell Boulevard/Sycamore Avenue intersection. The Russell Boulevard/Anderson Road/La Rue Road intersection has a dedicated southbound left turn lane for bicyclists that connects to the southeast corner of the intersection, allowing access to the shared-use path on the south side of Russell Boulevard. Southbound left-turning bicyclists at this location are funneled through an 8-foot wide receiving area at the southeast corner of the intersection, which also serves as a staging area for bicyclists and pedestrians waiting to cross other intersection legs. Most of the

remaining bicycle crossing movements at this intersection are accommodated within the marked crosswalks during pedestrian crossing phases. Crosswalks vary in width from as narrow as 5 feet at pinch points (e.g., the north leg crosswalk) to as wide as 11 feet.

Within the project vicinity, no on-street bicycle facilities are currently provided on either Russell Boulevard or La Rue Road. Moreover, no bicycle facility exists along the immediate project site frontage on Russell Boulevard.

Figure 4 displays the peak hour bicycle volumes at the Sycamore Lane and Anderson Road intersections with Russell Boulevard. These intersections serve as primary bicycle gateways for the UC Davis campus, resulting in very high bicycle crossing volumes during peak hours (measuring over 500 peak hour bicyclists at each intersection) as students travel between the UC Davis campus and their residences along the Sycamore Lane and Anderson Road corridors. Moreover, peak hour factors for bicycle demand at these intersections are low, resulting in surges in bicycle demand within concentrated periods of time. For example, at the Russell Boulevard/Anderson Road/La Rue Road intersection, the a.m. peak hour has a bicycle demand peak hour factor of 0.59, resulting in 75 percent of peak hour bicyclists passing through the intersection during 50 percent (i.e., 30 minutes) of the peak hour.

High bicycle crossing volumes combined with a low peak hour factor for bicycle demand result in the following effects on multi-modal operations at these intersections:

- Lengthy bicycle queues in the southbound bike lanes at Sycamore Lane and Anderson Road, measuring as high as 25 bicyclists during the a.m. peak hour.
- Large groups of bicyclists gathered at bicycle crossing staging areas, which can impede the path of travel for other users. For instance, at the southeast corner of the Russell Boulevard/Anderson Road/La Rue Road intersection, large groups of bicyclists waiting to cross the east leg can impede the path of travel for southbound left-turning bicyclists attempting to occupy the same space.
- Mixing of high volumes of bicyclists and pedestrians on shared-use paths and within marked crosswalks during pedestrian crossing phases, resulting in crowding and frequent meeting events (users passing each other while traveling in opposite directions) and passing events (users passing each other while traveling in the same direction).

Figure 5 shows the level of traffic stress (LTS) for key bicycle corridors and intersection approaches near the project site. The LTS rating is based on the average score of all factors. Generally, based on the LTS methodology, bicyclists experience lower levels of stress on shared-use paths (e.g., the Russell Boulevard shared-use path) and on roadways with bike lanes (e.g., Sycamore Lane and Anderson Road). Stress levels increase for bicyclists on roadways without on-street bicycle facilities (e.g., Russell Boulevard and La Rue

Road) and at intersection approaches where bicyclists mix with vehicles, particularly the eastbound and northbound channelized right-turn lanes at the Russell Boulevard/Anderson Road/La Rue Road intersection. Note that the LTS methodology does not account for demand associated with other bicycle facility users (e.g., bicycle and pedestrian volumes on a shared-use path or shared crossing), which can also affect the quality and comfort of a bicycle facility.

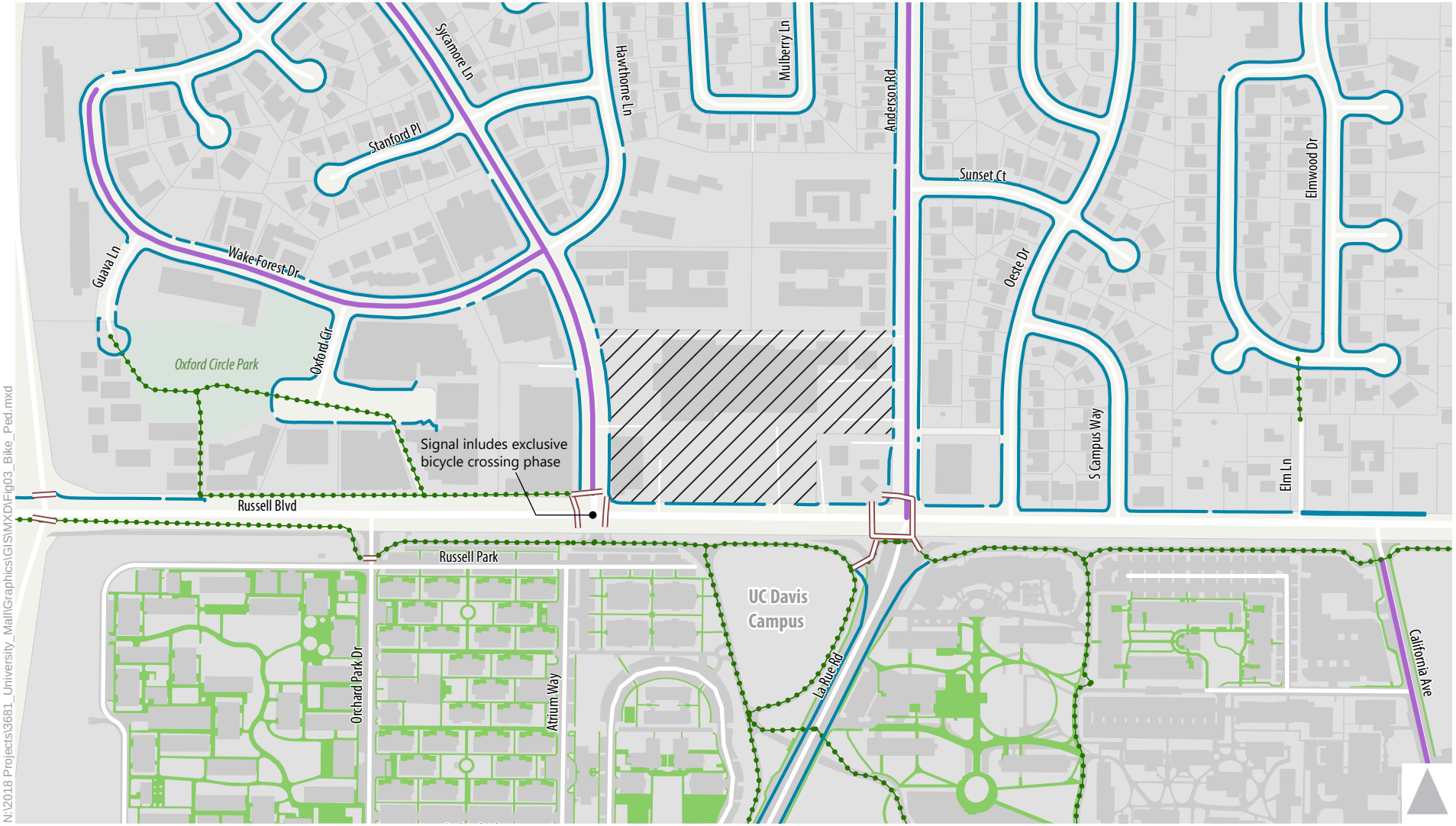
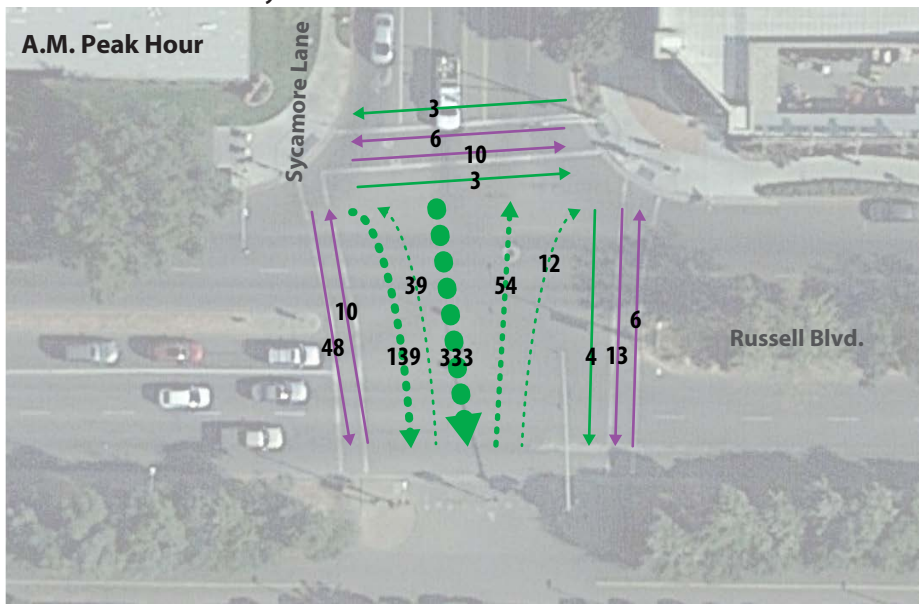
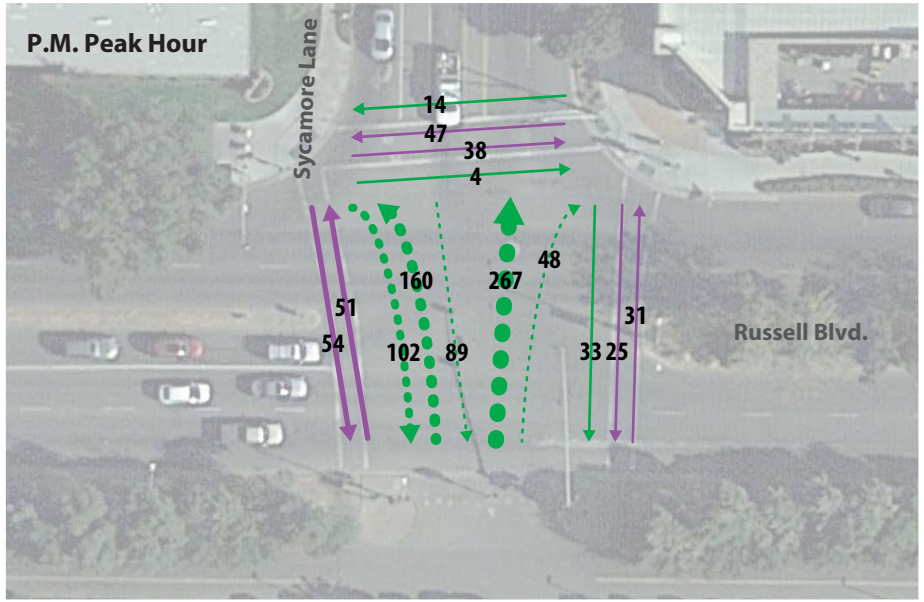


Figure 3

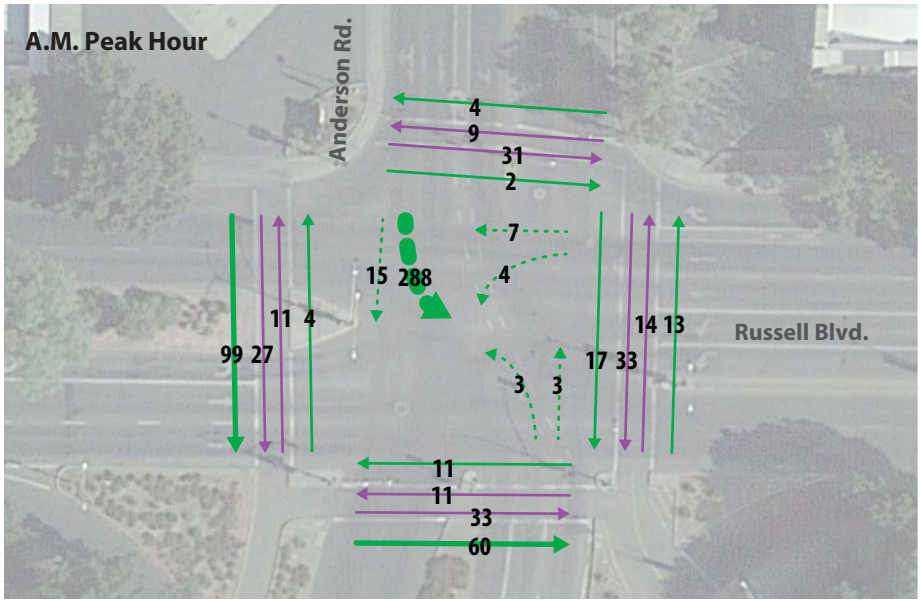
Bicycle and Pedestrian Facilities - Existing Conditions

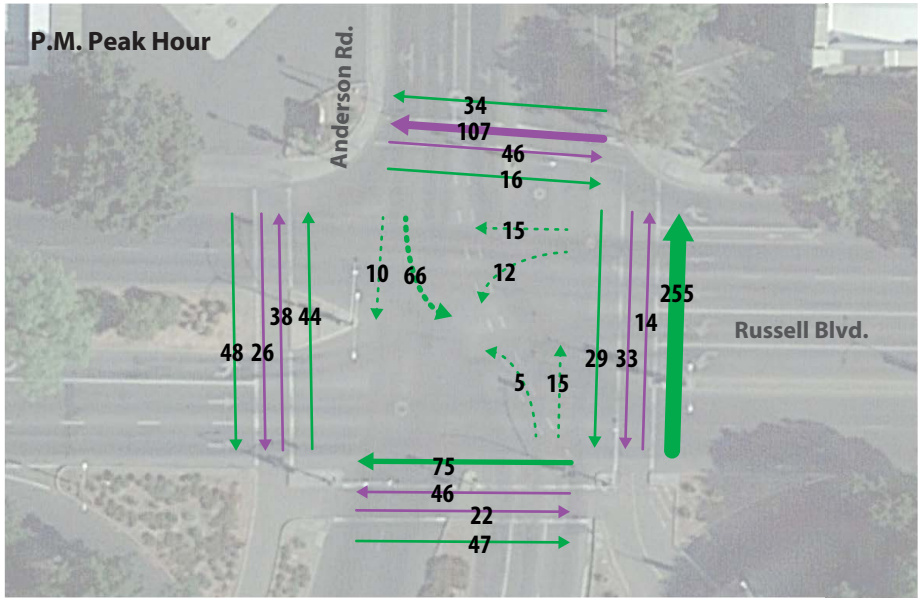
Russell Boulevard/Sycamore Lane





Russell Boulevard/Anderson Road/La Rue Road

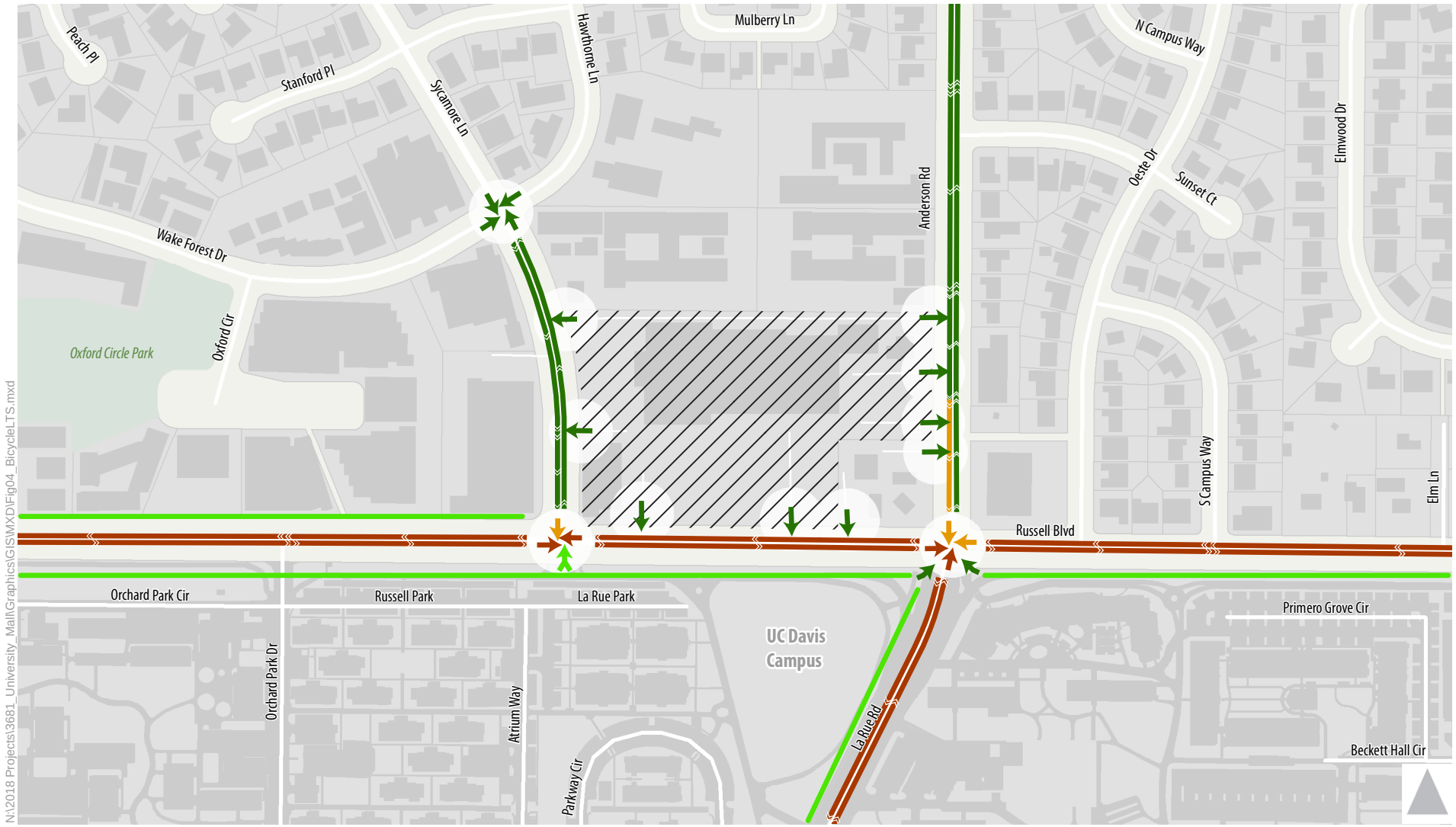




Bicycle Volume
Pedestrian Volume
Crosswalk Users

Figure 4

Peak Hour Bicycle and Pedestrian Volumes
Existing Conditions



Roadway Level of Traffic Stress
- Highly Comfortable
- Generally Comfortable
- Uncomfortable But Possible
- Very Uncomfortable or Impossible

Intersection Level of Traffic Stress
- Highly Comfortable
- Generally Comfortable
- Uncomfortable But Possible
- Very Uncomfortable or Impossible

Project Site

Figure 5

Bicycle Level of Traffic Stress (LTS)

View of bicyclists staging to cross from south-to-north at the Russell Boulevard/Sycamore Lane intersection.

View of bicyclists and pedestrians on the Russell Boulevard shared-use path east of Sycamore Lane.

View of bicycle-vehicle conflicts at the southbound approach of the Russell Boulevard/Anderson Road/La Rue Road intersection.

View of southbound left-turning bicyclists entering the southeast corner of the Russell Boulevard/Anderson Road/La Rue Road intersection.

View of bicyclists and pedestrians waiting to cross the east leg of the Russell Boulevard/Anderson Road/La Rue Road intersection.

Pedestrian Facilities

The study area has an extensive system of shared-use pathways, sidewalks, and crosswalks available for use by pedestrians. The following pedestrian facilities are located near the project site (see Figure 3):

- Sidewalks (typically five feet wide) along the Russell Boulevard, Anderson Road, and Sycamore Lane project site frontages.
- Shared-use paths (typically 14 feet wide) on the south side of Russell Boulevard from West Davis to Downtown Davis and on the north side of Russell Boulevard from SR 113 to Sycamore Lane.
- Marked crosswalks and push-button pedestrian actuation are provided on all legs of the Russell Boulevard intersections at Sycamore Lane and Anderson Road. The west and east legs of the Russell Boulevard/Sycamore Lane intersection operate with an exclusive pedestrian crossing phase.
- The eastbound and northbound right-turn movements at the Russell Boulevard/Anderson Road/La Rue Road intersection include channelized right-turn triangular medians. Crosswalks are provided in these right-turn lanes with posted yield signs for motorists.

Similar to peak hour bicycle volumes, high peak hour pedestrian volumes occur at the Russell Boulevard intersections at Sycamore Lane and Anderson Road as UC Davis students travel between the UC Davis campus and off-campus residences/destinations, including University Mall. This condition can result in peak hour crowding within shared facilities, particularly shared-use paths and marked crosswalks utilized by both pedestrians and bicyclists. Table 4 summarizes the width and crossing distance for each marked crosswalk at these two intersections.

Table 4: Pedestrian Crossing Summary – Project Site Vicinity

Intersection	Crossing	Crosswalk Width (feet)	Crossing Distance (feet)	Peak Hour Pedestrian Volume (Two-Way Total)	
				A.M. Peak Hour	P.M. Peak Hour
Russell Blvd./ Sycamore Lane	North Leg	10	83	16	85
	East Leg	7	88	19	56
	West Leg	7	93	58	105
Russell Blvd./Anderson Rd./ La Rue Rd.	North Leg	7	87	40	153
	South Leg	10	83	44	68
	East Leg	11	99	47	47
	West Leg	10	94	38	64

Source: Fehr & Peers, 2019.

Figure 6 shows the StreetScore+ for key sidewalk corridors and intersection crossings near the project site. The StreetScore+ rating is based on the average score of all factors. Generally, according to the StreetScore+ methodology, study area sidewalks and paths are comfortable for pedestrians. Pedestrian crossings at the Russell Boulevard/Sycamore Lane intersection are also considered comfortable, largely due to the presence of exclusive pedestrian crossing phases for the west and east leg crosswalks. However, the west, south, and east leg crossings at the Russell Boulevard/Anderson Road/La Rue Road intersection are considered uncomfortable for pedestrians, largely due to the long crossing distances and presence of triangular right-turn medians, which results in an uncontrolled pedestrian crossing across a "free-flow" right-turn movement. Note that the StreetScore+ methodology does not account for demand associated with other pedestrian facility users (e.g., bicycle and pedestrian volumes on a shared-use path or shared crossing), which can also affect the quality and comfort of a pedestrian facility.

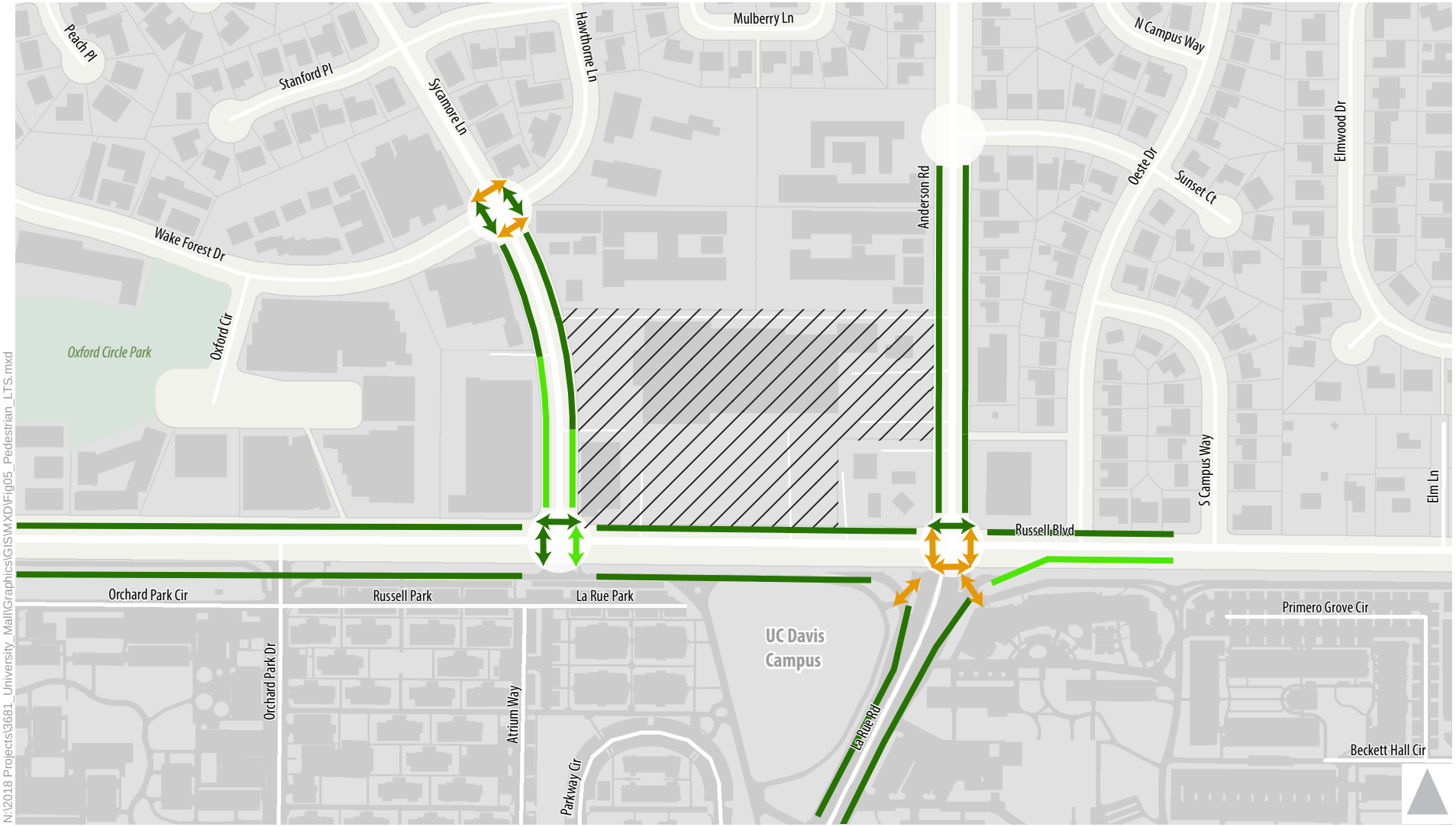


Figure 6

Pedestrian StreetScore+

View of the north and south leg crosswalks at the Russell Boulevard/Anderson Road/La Rue Road intersection.

View of the sidewalk along the Russell Boulevard project site frontage.

Transit Service and Facilities

Transit service in the City of Davis is provided by Unitrans (local bus), Yolobus (intercity bus), Amtrak (intercity rail), and Davis Community Transit (local paratransit):

- **Unitrans** provides local fixed route bus service to the project site. Jointly operated between the Associated Students, UC Davis (ASUCD) and the City of Davis, Unitrans offers 19 routes serving the UC Davis campus and City of Davis neighborhoods, shopping centers, schools, and medical centers. Unitrans operates as a radial bus system with the UC Davis campus serving as the central hub. The main terminals on the UC Davis campus are at the Memorial Union on Howard Way and at the Silo along Hutchison Drive.

  Specific service spans and frequencies vary by route. Generally, Unitrans operates from 6:30 a.m. to 11:30 p.m. Monday through Thursday and until 9:00 p.m. on Fridays. Weekend service is available from 8:30 a.m. to 7:00 p.m. Unitrans routes operate every 15 or 30 minutes during

weekdays and every 60 minutes during weekends and evenings. Table 5 summarizes the weekday and weekend frequency and span for Unitrans bus routes serving the project site.

The current Unitrans one-way fare is $1.00, with monthly, quarterly, and annual passes available at a discounted price. The Unitrans fare will increase to $1.25 beginning in August 2018. Free rides are available to UC Davis undergraduate students (fee assessed quarterly with registration), seniors, disabled passengers, City of Davis employees, and transferring Sacramento Regional Transit, Yolobus, Capitol Corridor, and Fairfield Transit passengers.

Table 5: Unitrans Route Summary – Project Site Vicinity

Route	Weekday (M-Th)		Friday		Weekend	
	Peak Frequency (min)	Span	Peak Frequency (min)	Span	Peak Frequency (min)	Span
B – MU/Sycamore/Drake	30	7 a.m. to 9 p.m.	30	7 a.m. to 9 p.m.	--	--
C – Silo/Sycamore/Wake Forest	30	7 a.m. to 10 p.m.	30	7 a.m. to 9 p.m.	--	--
G – Anderson/Alvarado/Sycamore	10	7 a.m. to 11 p.m.	10	7 a.m. to 9 p.m.	60	9 a.m. to 6 p.m.
J – Anders/Alvarado/Sycamore	10	7 a.m. to 11 p.m.	10	7 a.m. to 9 p.m.	--	--
K – MU/Lake Blvd./Arlington	30	7 a.m. to 10 p.m.	30	7 a.m. to 10 p.m.	60	9 a.m. to 7 p.m.
P – MU/Davis Perimeter CCW	30	6 a.m. to 11 p.m.	30	6 a.m. to 9 p.m.	60	8 a.m. to 7 p.m.
Q – MU/Davis Perimeter CW	30	6 a.m. to 11 p.m.	30	6 a.m. to 9 p.m.	60	8 a.m. to 7 p.m.

Source: Unitrans, 2019.

- **Yolobus** provides extensive fixed route bus and paratransit service throughout Yolo County, as well as commuter bus service to downtown Sacramento. Single rides are available for $2.25 and $3.25 for local and express services, respectively. Discounted daily and monthly passes are also available.

  Local bus routes serving the project site include Routes 42A, 42B, and 220. Commute bus routes serving the project site include Routes 220C (from Winters) and 242 (from Woodland).

- **Amtrak** serves the Davis Transit Depot near Second and G Streets in downtown Davis, approximately one mile east of the project site. Amtrak Capitol Corridor service is available at the depot, connecting passengers to Sacramento and Roseville to the east and the Bay Area to the

west. Currently, 15 daily Capitol Corridor round-trips are available at the station during regular weekday service. In addition to regular Capitol Corridor service, Amtrak serves the Davis Transit Depot with daily Coast Starlight service (to Los Angeles and Seattle) and intercity bus connections to other Amtrak rail lines (e.g., the Amtrak San Joaquin lines at Sacramento Valley Station).

Figure 7 displays the bus stops and Unitrans route serving the project site vicinity. The primary bus stops serving the project site are located on Anderson Road north of Russell Boulevard, Sycamore Lane north of Russell Boulevard, and Russell Boulevard west of Sycamore Lane. All stops are equipped with bus stop signs. Shelters are provided at the northbound stop on Anderson Road and the southbound stop on Sycamore Lane. The southbound Anderson Road bus stop, located immediately on the eastern project site limits, is heavily utilized during the a.m. peak hour, particularly by UC Davis students commuting into campus. This stop is equipped with a bus stop sign, but lacks a shelter, seating, and a dedicated passenger waiting area. This condition results in dwelling passengers waiting in the sidewalk or the adjacent landscaped area.

The project site is located within the Yolo Transit Priority Area. Transit Priority Areas (TPAs) are areas of the region within one-half mile of a major transit stop or an existing or planned high-quality transit corridor as identified in the SACOG 2016 MTP/SCS.

View of the existing bus stop on southbound Anderson Road north of Russell Boulevard. Image source: Google

View of passengers waiting to board the bus at the existing bus stop on southbound Sycamore Lane.

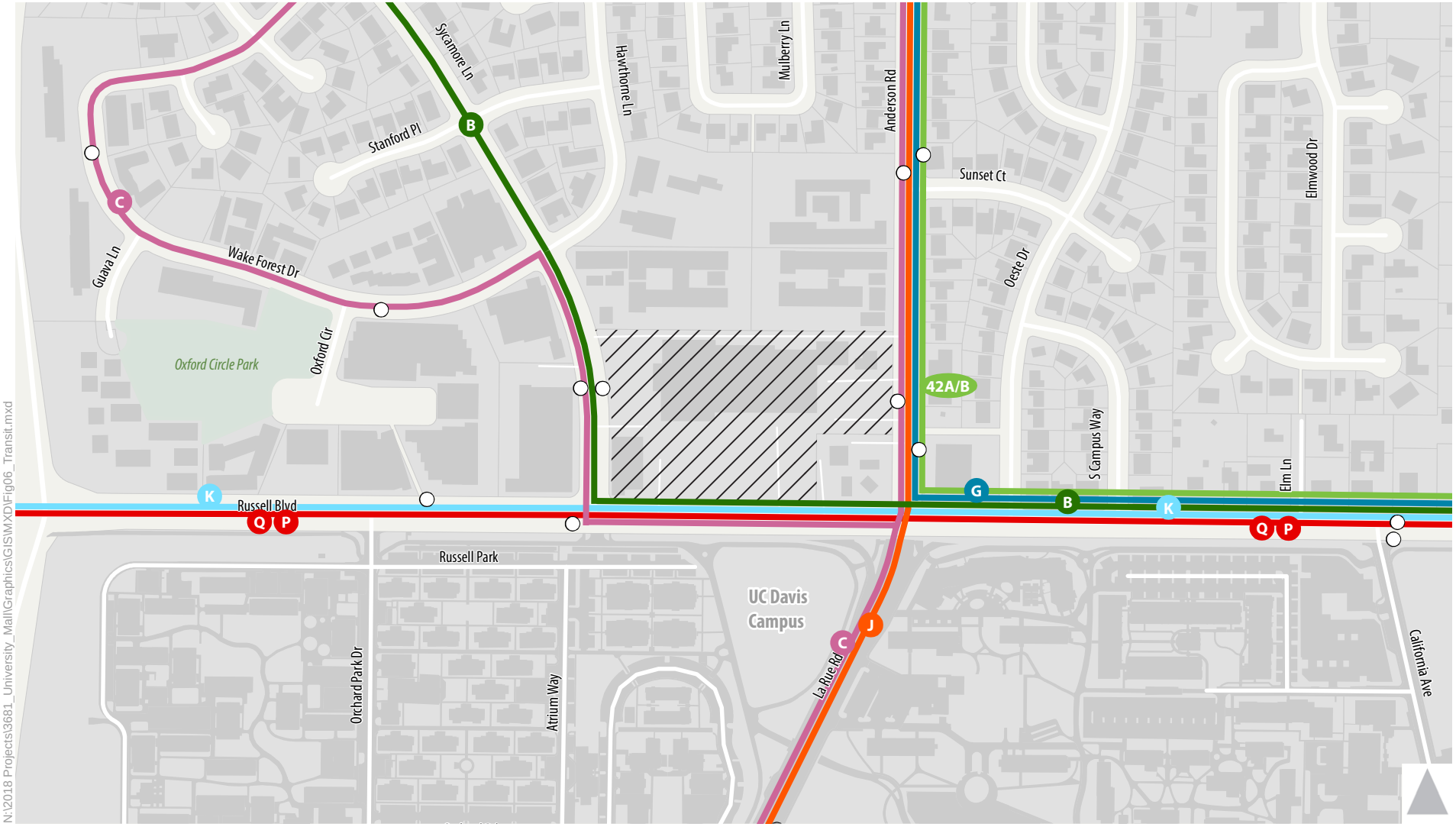


Figure 7

Transit Service and Facilities
Existing Conditions

Parking

Vehicle parking at the project site is available through a supply of on- and off-street parking spaces. Figure 8 displays the vehicle parking supply within the vicinity of the project site. The project site currently includes 373 vehicle parking spaces situated in surface parking lots throughout the site. On-site parking spaces are privately operated and available for use by University Mall visitors and employees only.

Several public roadways surrounding the project site include on-street parking available for use by the general public. The City of Davis manages the on-street parking supply in the study area through a combination of time-of-use restrictions (e.g., for weekly street sweeping) and a residential parking permit program. This results in a parking environment surrounding the project site where a limited number of spaces are available for unrestricted, all-day use by the general public (i.e., there is generally not excess parking available during peak periods). Details regarding the City's residential parking permit program near the project site are provided in the Appendix.

Weekday on- and off-street parking occupancy surveys were conducted on and near the project site on Wednesday, June 8, 2018. Parking occupancy surveys provide an understanding of the utilization of available parking supply over the course of a typical day. Table 6 provides a summary of the hourly parking utilization for private and public parking spaces on and near the project site. On-site parking at University Mall reached peak utilization during the 7:00 p.m. hour, when 301 of the 373 available parking spaces (81 percent) were occupied. Outside of this peak hour, on-site parking utilization did not exceed 76 percent. Overnight on-site parking utilization (recorded at 1:00 a.m.) was 13 percent with 325 unoccupied spaces. Parking utilization for the public on-street parking supply surrounding the project site (see Table 6 and Figure 8for boundaries) reached a maximum of 92 percent between 12:00 p.m. and 2:00 p.m., while overnight public parking utilization was 85 percent.

Table 6: On- and Off-Site Vehicle Parking Utilization

Location	Type	Parking Supply	Parking Utilization												
			8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 p.m.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	1 a.m.
University Mall	Private	373	27%	36%	41%	55%	65%	72%	74%	72%	76%	71%	71%	**81%**	13%
Anderson Rd. (west side, south of Sunset Ct.)	Public	33	45%	39%	39%	42%	42%	45%	42%	39%	36%	39%	48%	45%	**52%**
Sycamore Lane (south of Wake Forest Dr.)	Public	37	84%	92%	**97%**	**97%**	92%	95%	95%	95%	**97%**	95%	95%	95%	95%
Russell Blvd. (north side, west of Anderson Rd.)	Public	70	67%	83%	91%	91%	**97%**	**97%**	93%	87%	80%	76%	69%	70%	66%
Wake Forest Dr., Guava Ln., and Oxford Cir.	Public	275	91%	93%	93%	94%	**96%**	96%	95%	95%	93%	88%	92%	91%	92%
Public Parking Subtotal		415	83%	87%	89%	90%	**92%**	**92%**	90%	89%	87%	83%	85%	84%	85%

Notes: **Bold** text indicates maximum parking utilization for each location.
Parking utilization data collected on Wednesday, June 8, 2018.
Source: Fehr & Peers, 2019.

University Mall parking only

Unrestricted public parking

No parking during weekly street sweeping

No overnight parking, except with residential parking permit

No daytime parking, except with residential parking permit

Project Site

Note: Figure only includes parking within immediate project site vicinity.

Figure 8

Existing Parking Supply

Collision History

According to the Statewide Integrated Traffic Records System (SWITRS), 22 collisions were reported on public streets within the immediate vicinity of the project site (within 300 feet) over the last six years (2013 through 2018). Table 7 provides a summary of the collisions, including their location, parties involved, and primary collision factor. As shown, 19 of the 22 collisions reported collisions involved a bicycle. The Russell Boulevard/Anderson Road/La Rue Road intersection experienced the greatest number of collisions, followed by the Russell Boulevard/Sycamore Lane intersection. As described above, both intersections experience very high levels of bicycle activity.

Table 7: Six-Year[1] Collision History Near Project Site

Location	Parties[2]	Type	Primary Collision Factor	Year
Sycamore Lane at Wake Forest Drive	Bicycle, Vehicle	Head-On	Unknown	2013
Sycamore Lane north of Russell Boulevard	Bicycle, **Vehicle**	Other	Automobile Right-of-Way	2016
Sycamore Lane north of Russell Boulevard	Bicycle, **Vehicle**	Other	Improper Turning	2017
Russell Boulevard at Sycamore Lane	Bicycle, **Vehicle**	Other	Automobile Right-of-Way	2017
Russell Boulevard at Sycamore Lane	Bicycle, **Vehicle**	Broadside	Other Hazardous Violation	2015
Russell Boulevard at Sycamore Lane	Bicycle, Bicycle	Other	Unknown	2014
Anderson Road north of Russell Boulevard	**Bicycle**, Vehicle	Head-On	Automobile Right-of-Way	2016
Anderson Road north of Russell Boulevard	**Bicycle**, Bicycle	Other	Improper Turning	2017
Anderson Road at Russell Boulevard	Bicycle, **Vehicle**	Other	Automobile Right-of-Way	2015
Anderson Road at Russell Boulevard	Bicycle, **Vehicle**	Other	Other Hazardous Violation	2018
Anderson Road at Russell Boulevard	Bicycle	Hit Object	N/A	2014
Anderson Road at Russell Boulevard	**Vehicle**, Vehicle	Head-On	Automobile Right-of-Way	2014
Anderson Road at Russell Boulevard	**Bicycle**, Vehicle	Other	Traffic Signals and Signs	2014
Anderson Road at Russell Boulevard	**Bicycle**, Vehicle	Broadside	Traffic Signals and Signs	2014
La Rue Road at Russell Boulevard	**Vehicle**, Motorcycle	Sideswipe	Improper Turning	2017
La Rue Road at Russell Boulevard	Bicycle, **Vehicle**	Other	Other Hazardous Violation	2017
La Rue Road at Russell Boulevard	**Vehicle**, Vehicle	Rear End	Unsafe Speed	2013
La Rue Road at Russell Boulevard	Bicycle, **Vehicle**	Broadside	Unsafe Speed	2013
La Rue Road at Russell Boulevard	**Bicycle**, Vehicle	Broadside	Automobile Right-of-Way	2013
La Rue Road at Russell Boulevard	Bicycle, **Vehicle**	Broadside	Automobile Right-of-Way	2018
La Rue Road at Russell Boulevard	**Bicycle**, Vehicle	Broadside	Automobile Right-of-Way	2014
La Rue Road at Russell Boulevard	**Bicycle**, Vehicle	Broadside	Automobile Right-of-Way	2018

Notes: [1] 2016 through 2018 data is provisional and subject to change.
[2] **Bold** party identified as party at-fault.
Source: Statewide Integrated Traffic Records Database, 2019.

4. Regulatory Setting

Existing transportation policies, laws, and regulations that would apply to the project are summarized below. This information provides a context for the impact discussion related to the project's consistency with applicable regulatory conditions and development of significance criteria for evaluating project impacts.

State

California Department of Transportation

The California Department of Transportation (Caltrans) is responsible for planning, designing, constructing, operating, and maintaining the State Highway System (SHS). Federal highway standards are implemented in California by Caltrans. Any improvements or modifications to the SHS within the study area would need to be approved by Caltrans.

Caltrans' Local Development – Intergovernmental Review Program Interim Guidance (Caltrans 2016) provides guidance on the evaluation of traffic impacts to State highway facilities. The document outlines when a traffic impact study is needed and what should be included in the scope of the study. Within the study area, Caltrans has developed the following plans and studies that set expectations for the performance of State Route (SR) 113:

- District System Management and Development Plan, Caltrans District 3 (Caltrans 2013)
- Transportation Concept Report State Route 113, District 3 (Caltrans 2014)

Senate Bill 743

Senate Bill 743 (Stats. 2013, ch. 386) (SB 743) creates or encourages several statewide CEQA improvements. First, it requires the Governor's Office of Planning and Research (OPR) to establish new metrics for determining the significance of transportation impacts of projects within transit priority areas (TPAs) and allows OPR to extend use of the metric beyond TPAs. OPR selected vehicle miles of travel (VMT) as the preferred transportation impact metric and applied their discretion to require its use statewide. Second, it establishes that aesthetic and parking impacts of a residential, mixed-use residential, or employment center projects on an infill site within a TPA shall not be considered significant impacts on the environment. Third, once the new CEQA Guidelines go into effect, which occurred on April 27th, 2019, vehicle LOS and similar measures related to delay shall not be used as the sole basis for determining the significance of transportation impacts. Finally, it establishes a new CEQA exemption for a residential,

mixed-use, and employment center project a) within a transit priority area, b) consistent with a specific plan for which an EIR has been certified, and c) consistent with a Sustainable Communities Strategy. This exemption requires further review if the project or circumstances changes significantly.

Local

City of Davis General Plan

The City of Davis General Plan Transportation Element was last updated in 2013. The following goals and policies related to transportation and circulation are applicable to the project. Most of the listed goals and policies are relevant at a project-level scale, versus City-wide.

Goal #1: Davis will provide a comprehensive, integrated, connected transportation system that provides choices between different modes of transportation.

Performance Objective #1.1: Achieve at least the following mode share distribution for all trips by 2035:

- 10% of trips by walking
- 10% of trips by public transportation
- 30% of trips by bicycle

Performance Objective #1.2: Increase use of walking, bicycling, and public transportation to and from the following places:

- Work
- Schools (elementary, junior high, and senior high)
- UC Davis,
- Downtown

Goal #2: The Davis transportation system will evolve to improve air quality, reduce carbon emissions, and improve public health by encouraging usage of clean, energy-efficient, active (i.e. human powered), and economically sustainable means of travel.

Performance Objective #2.1: Reduce carbon emissions from the transportation sector 61 percent by 2035.

Performance Objective #2.2: Reduce vehicle miles traveled (VMT) by 39 percent by 2035.

Performance Objective #2.3: Annually increase funding for maintenance and operation needs of the transportation system, until fully funded.

Goal #3: Davis will provide a safe and convenient Complete Streets network that meets the needs of all users, including children, families, older adults, and people with disabilities.

Performance Objective #3.1: Improve the quality of service for all users of the transportation system.

Performance Objective #3.2: Reduce the total number of collisions between motor vehicles and bicyclists or pedestrians by 50% by 2035.

Goal #4: Davis will strengthen its status as a premier bicycling community in the nation by continuing to encourage bicycling as a healthy, affordable, efficient, and low-impact mode of transportation accessible to riders of all abilities, and by continuously improving the bicycling infrastructure.

Performance Objective #4.1: Commit a minimum amount of funding for bicycle programming and infrastructure as identified in the "Beyond Platinum – Bicycle Action Plan".

Policy TRANS 1.6: Reduce carbon emissions from the transportation system in Davis by encouraging the use of non-motorized and low carbon transportation modes.

Policy TRANS 1.7: Promote the use of electric vehicles and other low-polluting vehicles, including Neighborhood Electric Vehicles (NEV).

Policy TRANS 2.1: Provide Complete Streets to meet the needs of drivers, public transportation vehicles and riders, bicyclists, and pedestrians of all ages and abilities in all transportation planning, programming, design, construction, reconstruction, retrofit, operations, and maintenance activities and products. The City shall view all transportation improvements as opportunities to improve safety, access, and mobility for all travelers in Davis, and recognizes bicycle, pedestrian, fixed-route transit, and demand-response para-transit modes as integral elements of the transportation system along with motor vehicles. This policy also includes the following language pertaining to automobile level of service:

- LOS D or better is acceptable during non-peak traffic hours.
- LOS E or better is acceptable during peak traffic hours.
- LOS F is acceptable during peak traffic hours in the Core Area and Richards Boulevard/Olive Drive area.
- LOS F is acceptable during peak traffic hours in other areas if approved by City Council.

Action TRANS 2.1(i): Establish a multi-modal Level of Service (LOS) standard to address the needs of all users of the street, including bicyclists and pedestrians, at intersections.

Action TRANS 2.1(k): Work with citizens and technical experts to review the street width and "Greenstreet" standards to reflect pedestrian and bicycle friendly policies in this chapter, including but not limited to the following:

- Design/redesign residential and collector streets to slow vehicular traffic to 25 mph or less.
- Design travel lanes to prioritize pedestrians and bicycles, including provisions for a marked "buffer space" to further separate bicycles from both moving and parked motor vehicles, where right-of-way allows.
- Eliminate intersection standards that allow high speed right turns for motor vehicles.
- Adjust intersection signal operations to smooth traffic flow, reduce automobile idle time, and to adequately service bicycles and pedestrians by giving priority and to maintain momentum.

Action TRANS 2.1(l): Preserve rights-of-way for future transportation use.

Action TRANS 2.1(m): Ensure transit stops have adequate curb space for loading and unloading passengers.

Policy TRANS 2.2: Implement state-of-the-art street design solutions to improve bicycle/pedestrian access, comfort, and safety that may include:

- Bicycle boxes at intersections
- Cycletracks
- Shared lane markings (sharrows)
- Contraflow bicycle lanes
- Improved bicycle detection at intersections
- Two-stage turn queue boxes
- Colored bicycle lanes
- Bicycle route wayfinding

Policy TRANS 2.3: Apply best practices in sustainability to new streets and redesigns of existing streets/corridors.

Policy TRANS 2.4: As part of the initial project review for any new project, a project-specific traffic study may be required. Studies shall identify impacted transportation modes and recommend mitigation measures designed to reduce these impacts to acceptable levels.

Policy TRANS 2.5: Create a network of street and bicycle facilities that provides for multiple routes between various origins and destinations.

Policy TRANS 2.7: Minimize impacts of vehicle traffic on local streets to maintain or enhance livability of the neighborhoods. Consider traffic calming measures along collector and minor arterial streets, where appropriate and feasible, to slow speeds.

Policy TRANS 2.8: Improve the function, safety, and appearance of selected corridors as illustrated.

Action: Develop "corridor plans" for selected streets which warrant special treatment because of existing impact problems or operational issues. Corridor plans should take into consideration adjacent land uses and result in streets that are both functional and aesthetic. The plans should utilize innovative means of slowing traffic, where appropriate, and provide safe access for pedestrians and bicyclists. Mitigation shall be incorporated to protect residences and sensitive receptors from noise, air pollution and other traffic related impacts. The corridor plans may deviate from the standards established in the General Plan, if deviates improve the livability of the area. Covell Boulevard from SR 113 to the west City limit is included in this program.

Policy TRANS 2.10: Prohibit through truck traffic on streets other than identified truck routes shown in the Transportation Element.

Policy TRANS 3.1: Facilitate the provision of convenient, reliable, safe, and attractive fixed route, commuter, and demand responsive public transportation that meets the needs of the Davis community, including exploring innovative methods to meet specialized transportation needs.

Policy TRANS 3.3: Require new development to be designed to maximize transit potential.

Policy TRANS 4.2: Develop a continuous trails and bikeway network for both recreation and transportation that serves the Core, neighborhoods, neighborhood shopping centers, employment centers, schools and other institutions; minimize conflicts between pedestrians, bicyclists, equestrians, and automobiles; and minimize impacts on wildlife. Greenbelts and separated bike paths on arterials should serve as the backbone of much of this network.

Policy TRANS 4.3: Continue to build transportation improvements specifically targeted at bicycles. Refer to Bicycle Plan and Transportation Implementation Plan for list of bicycle-related projects.

Policy TRANS 4.5: Establish and implement bicycle parking standards for new developments and significant redevelopment.

Policy TRANS 4.7: Develop a system of trails around the edge of the city and within the city for recreational use and to allow pedestrians and bicyclists to reach open space and natural areas.

Policy TRANS 5.1: Use parking management techniques to efficiently manage motor vehicle parking supply and promote sustainability.

Policy TRANS 5.2: Existing and future off-street parking lots in development should contribute to the quality of the urban environment and support the goals of this chapter to the greatest extent possible.

Beyond Platinum – City of Davis Bicycle Action Plan

This document included discussions regarding goals and objectives, bicycle facility guidelines, engineering standards, and implementation and funding. The Plan was heard before and adopted by the City Council in February 2014. This document includes numerous goals and policies regarding enforcement, education, and engineering design. The following policies are particularly relevant to this study:

Goal: Provide bike lanes along arterial and collector streets. Provide separated bike paths adjacent to arterial and collector streets only where justified, with full consideration of the potential safety problems this type of facility can create.

Goal: Consider bicycle-operating characteristics in the design of bikeways, intersections, and traffic control systems.

In addition, Appendix C of this document shows a variety of proposed bicycle facilities throughout the City, including the following proposed bicycle facility enhancements within the vicinity of the project site:

- Buffered bike lanes on Anderson Road and Sycamore Lane north of Russell Boulevard
- Bike lanes on Russell Boulevard between SR 113 and A Street
- Bicycle/pedestrian crossing markings at the Russell Boulevard/Anderson Road/La Rue Road intersection
- Bike lane conflict markings (green) at the Russell Boulevard/Anderson Road/La Rue Road and Russell Boulevard/Sycamore Lane intersections

UC Davis 2018 Long Range Development Plan

The 2018 LRDP (UC Davis 2018) includes the following relevant policies related to streetscapes, roadways, and parking resources on and surrounding the UC Davis campus.

Foster A Healthier Transportation Ecosystem - Enhance and expand travel services and programs to meet the daily mobility needs of the campus community and create a healthier transportation ecosystem; promote more sustainable travel choices to improve health of the individual, the environment and the institution.

Expand Active Transportation Infrastructure - Expand campus infrastructure to support active transportation; improve safety for both bicyclists and pedestrians; consider roadway intersection reconfigurations to minimize distance of crosswalks; consider roadway reconfiguration to reduce vehicle speed; clearly articulate the transitional spaces between bicycle-oriented core campus and the public streets on the periphery.

Enhance Transit Service - Preserve and enhance transit service; continue to prioritize and improve transit access to the core campus area; consider improvements to the Hutchison Drive corridor for Unitrans buses and for safely mixing buses, bikes and pedestrians.

Preserve Future Roadway Corridors - Anticipate potential alignments for future campus roadways and bikeways beyond the life of the plan; keep buildings clear of potential roadway and bikeway corridors.

Single Occupancy Vehicle Reduction - Per the University of California Sustainable Practices Policy, strive to reduce the percentage of employees and students commuting by SOV in 2025 by 10 percent relative to 2015-16 SOV commute rate. By 2050, strive to have no more than 40 percent of employees and no more than 30 percent of all employees and students commuting by SOV.

Vehicle Miles Traveled Objective - Avoid growth in the VMT that would exceed the VMT forecasts for the Sacramento Area Council of Governments (SACOG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS).

Campus Vehicle Traffic Operations - Allow vehicle level of service (LOS) F conditions during typical weekday a.m. and p.m. peak hours as measured by the latest version of the Highway Capacity Manual (Transportation Research Board). The allowance of LOS F conditions recognizes that the campus does not plan to expand the roadway system with the exception of modifications for safety, way finding or to better accommodate bicycle, pedestrian, or transit use.

Off-Campus Vehicle Traffic Operations - Use local, regional, and state agency expectations about performance of the roadway network when analyzing potential impacts caused by operation or expansion of the UC Davis campus. For environmental impact review purposes, specific performance metrics and thresholds for impact significance should be based on the plans and policies of the affected agency unless federal or state law requires otherwise. Similar to campus expectations, projects that increase delay by more than 10 percent at an intersection with unacceptable or LOS F operations may constitute significant impacts.

Invest In Programs Before Parking - Invest in transportation programs before constructing additional parking infrastructure; offer programs and services that promote more sustainable travel

choices and minimize impacts to overall parking supply; balance adequate parking supply with the campus objective to reduce greenhouse gas emissions.

Promote Ride Sharing - Promote carpools and vanpools as viable transportation options that reduce parking demand for the campus community; monitor the utilization of ride-hailing services and proactively manage campus circulation network to promote walking, biking and busing as preferred travel modes.

Park On The Periphery - Provide parking on the periphery of the core campus; consider a remote park and bike facility on Old Davis Road with secure bicycling parking; locate parking for large public events near SR 113 and I-80.

Foster Flexibility - Foster a flexible and adaptive approach to the management of parking infrastructure; explore new and innovative technologies to aid in the management of parking; routinely evaluate and dynamically modify parking policy to align with sustainability goals; consider the formal designation of areas for ride-hailing pick up and drop off; build parking lots rather than parking structures.

Sacramento Area Council of Governments

The Sacramento Area Council of Governments (SACOG) is responsible for the preparation of, and updates to, the 2016 Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS) and the corresponding Metropolitan Transportation Improvement Program (MTIP) for the six-county Sacramento region. The MTP/SCS provides a 20-year transportation vision and corresponding list of projects. The MTIP identifies short-term projects (7-year horizon) in more detail. The current MTP/SCS was adopted by the SACOG board in 2016.

5. Project Travel Characteristics

This section describes the expected travel characteristics of the proposed project, including its trip generation, mode choice, trip distribution, and assignment. These characteristics will be used in the development of the Existing Plus Project condition. The Cumulative Plus Project condition will also use many of these same estimates, but will additionally consider changed conditions within the vicinity of the project site (e.g., buildout of nearby planned and approved development) between the two scenarios.

Project Description

The proposed project (see Figure 9) would include the following modifications to the existing University Mall in Davis:

- Demolition of 90,653 square feet of existing retail space;
- Construction of 136,800 square feet of new retail space; and
- Construction of 264 units (622 bedrooms with 894 beds) of new multi-family housing.

The existing 13,200 square foot Trader Joe's grocery store would remain unchanged.

The project would include a total of 693 vehicle parking spaces (264 spaces for residential use and 429 spaces for retail use) and 1,018 bicycle parking spaces. Parking would be provided through a combination of structured and surface parking facilities.

The project would eliminate the central project driveway on Anderson Road, reducing the total number of project site driveways on Anderson Road from three to two. The central driveway currently provides full access in/out of the project site. Its removal would result in the remaining northern driveway as the only full access driveway on Anderson Road (i.e., the only driveway that would accommodate northbound left-turns into the project site and eastbound left-turns out of the project site). All other existing project driveways would maintain in their current configuration.

The project would not alter any off-site bicycle, pedestrian, or transit facilities.

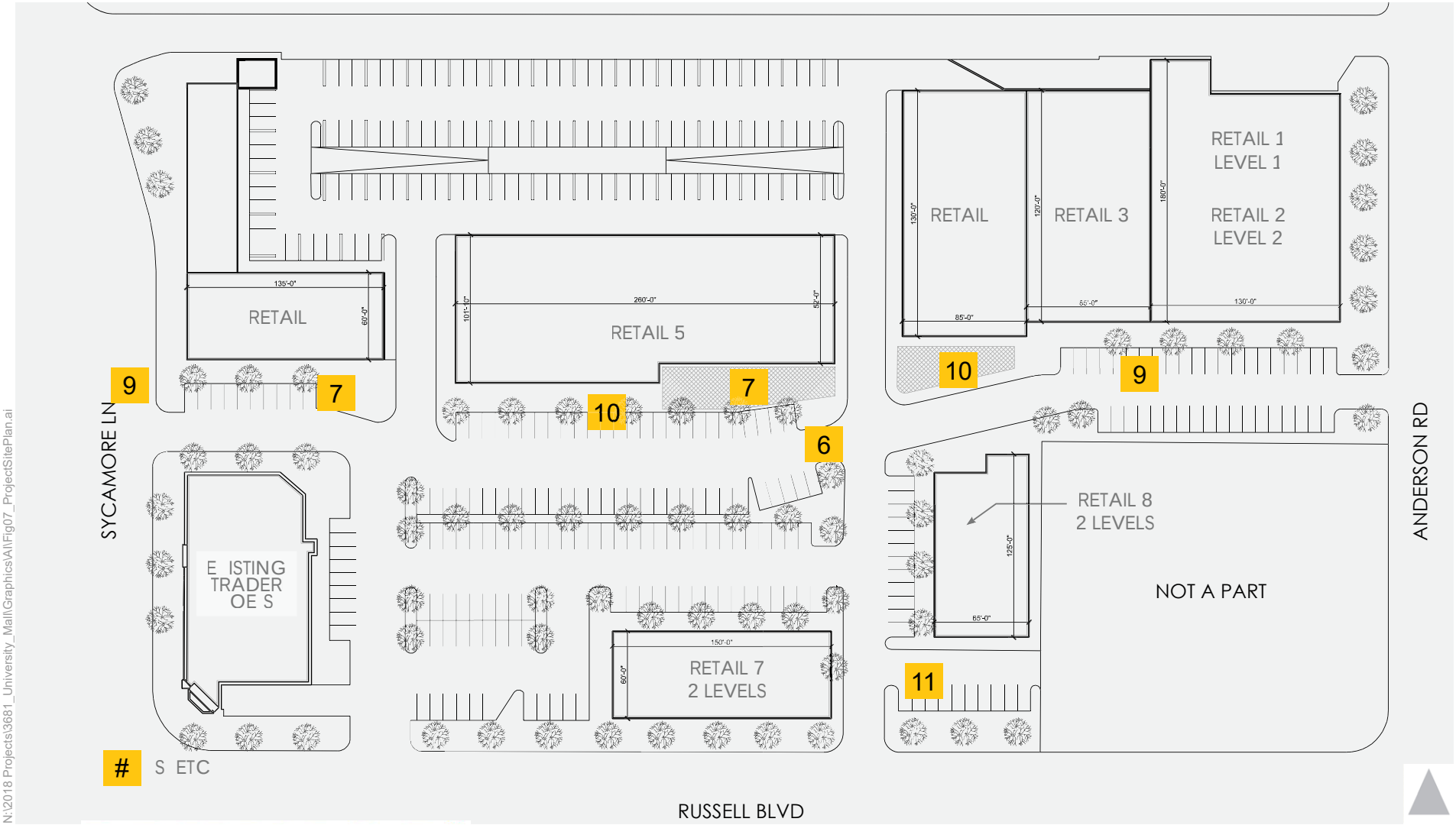


Figure 9

Project Site Plan

Approach

The conventional approach for estimating travel characteristics for most proposed land development projects involves applying an industry-recommended trip generation rate (typically derived from the ITE *Trip Generation Manual*) to each relevant land use typology comprising the project. However, due to the following reasons, a more tailored approach is necessary to estimate the travel characteristics of the University Commons Project for the purposes of a CEQA-level transportation study.

- **The proposed project would include a mix of land uses.** The proposed combination of residential and commercial land uses on the project site would influence travel behavior for project residents, employees, and visitors. For example, the co-location of residential and commercial uses would allow for the internalization of shopping trips that would otherwise be destined for other local shopping centers located off-site.
- **The proposed project would be located in close proximity to the UC Davis campus.** The existing University Mall and surrounding residential uses attract a high number of college student employees, patrons, and residents due to their proximity to UC Davis. Similarly, the commercial and residential components of the proposed project would reasonably be expected to exhibit a similar orientation around college students. Existing data sources, including the annual UC Davis Campus Travel Survey and trip generation data for off-campus student-oriented housing within the City of Davis (e.g., Lexington Apartments), indicate that UC Davis student commute and non-commute travel behavior is highly oriented around non-motorized travel modes, including biking, walking, and transit. Accordingly, data representative of UC Davis student travel behavior is preferable to national data, such as that published in the ITE *Trip Generation Manual*.
- **The project site includes land uses with high trip generation characteristics.** The existing University Mall includes a Trader Joe's and Starbucks, both of which generate a greater number of trips per square foot compared to the grocery store and coffee shop land use categories reflected in the ITE *Trip Generation Manual*. Understanding the trip generation characteristics of these specific uses is an important element of the project travel characteristics analysis, particularly since the Trader Joe's is proposed to remain as a component of the project.

Given these considerations, it is appropriate to utilize local data to serve as the basis for the project trip generation and mode choice estimates.

Data Collection

To estimate the trip generation for the residential component of the proposed project, weekday a.m. and p.m. peak period trip generation data was collected at the 158-unit Sycamore Lane Apartments, located immediately north of the project site. This data included person trips entering and exiting the Sycamore Lane Apartments site, as well as mode choice and vehicle occupancy observations. The data collection occurred on a mid-week day in October 2018 while UC Davis and local schools were in regular session, and weather conditions were clear. Given the close proximity between the Sycamore Lane Apartments and the UC Davis campus, a high percentage of apartment residents are UC Davis students.

To estimate the trip generation for the commercial component of the project, weekday a.m. and p.m. peak period trip generation data was collected at the existing University Mall. This data included vehicle and bicycle trips entering and exiting the project site at each of the existing University Mall driveways, as well as person trips entering and exiting the existing Trader Joe's and Starbucks located on the project site. Trip generation data for the existing Trader Joe's and Starbucks was collected in order to quantify their trips versus trips generated by the other retail uses at the University Mall. The data collection occurred in May and November 2018 while UC Davis and local schools were in regular session.

Methodology

Table 8 summarizes the steps completed to develop the project trip generation and mode choice estimates. This methodology relies primarily upon the local data collection efforts described above; however, it was necessary to perform factoring using trip rate data from the ITE *Trip Generation Manual, 10th Edition* (2017) in some instances as described below.

Table 8: Project Travel Characteristics Methodology

Step	Description
1	Collect local data to establish peak hour vehicle trip rates to be used for project residential component.
2	Calculate peak hour and daily vehicle trip generation for project residential component.
3	Collect local data to develop peak hour vehicle trip rates to be used for project commercial component.
4	Calculate peak hour and daily vehicle trip generation for project commercial component.
5	Calculate total vehicle trip generation for the project.
6	Utilize local data to estimate peak hour mode choice for the project.

Source: Fehr & Peers, 2019.

Project Vehicle Trip Generation – Residential Component

Peak hour vehicle trip rates for the residential component of the project were derived from the peak period vehicle trip counts collected at the adjacent, fully leased, 282-bedroom Sycamore Lane Apartments on Thursday, October 11, 2018. A review of the website for the Sycamore Lane Apartments indicated that there were no vacant apartments at the time of the data collection.

Based on these counts, the observed a.m. and p.m. peak hours for vehicle trip generation occurred from 8:00 a.m. to 9:00 a.m. and 5:00 p.m. to 6:00 PM, respectively. Table 9 summarizes the observed peak hour vehicle trip rates per bedroom at the Sycamore Lane Apartments. By definition, these rates already consider travel made by non-vehicle modes such as walking, bicycling, and transit. For instance, during the p.m. peak hour, vehicle trips represented only 30 percent of all person trips made by this apartment complex.

During the a.m. peak hour, the Sycamore Lane Apartments generated 31 vehicle trips, equivalent to an average rate of 0.11 vehicle trips per bedroom. During the p.m. peak hour, the Sycamore Lane Apartments generated 43 vehicle trips, equivalent to an average rate of 0.15 vehicle trips per bedroom. Vehicle trip rates reflect vehicle trips generated by apartment resident and visitor drive alone and park, carpool and park, and pick-up/drop-off activity, including utilization of transportation network company (TNC) services (e.g., Uber and Lyft).

Table 9: Sycamore Lane Apartments – Peak Hour Vehicle Trip Generation

Category	Bedrooms	A.M. Peak Hour			P.M. Peak Hour		
		Total	In	Out	Total	In	Out
Vehicle Trips	282	31	9	22	43	18	25
Vehicle Trip Rate		0.11	29%	71%	0.15	42%	58%

Note: Observed a.m. and p.m. peak hours for the Sycamore Lane Apartments were 8:00 a.m. to 9:00 a.m. and 5:00 p.m. to 6:00 p.m., respectively.
Source: Fehr & Peers, 2019.

Table 10 summarizes the estimated number of peak hour vehicle trips that would be generated by the residential component of the proposed project. The residential component of the project would generate an estimated 69 a.m. peak hour and 93 p.m. peak hour vehicle trips.[2]

[2] The peak hour vehicle trip generation calculation for the project residential component utilized the project's total number of bedrooms as the independent variable for size. This approach allows for use of the trip generation rates established from observed data collected at the Sycamore Lane Apartments, which also utilized the total number of bedrooms for the apartment complex as the independent variable for size.

Table 10: Project Residential Component – Peak Hour Vehicle Trip Generation

Category	Bedrooms	A.M. Peak Hour			P.M. Peak Hour		
		Total	In	Out	Total	In	Out
Project Residential Component[1]	622	69	20	49	93	39	54

Note: [1] Calculated as follows based on the Sycamore Lane Apartments peak hour vehicle trip generation rates:
A.M. Peak Hour T = 0.11(X), with 29% inbound and 71% outbound.
P.M. Peak Hour T = 0.15(X), with 42% inbound and 58% outbound.
Where T = trip ends and X = bedrooms.

Source: Fehr & Peers, 2019.

The ITE *Trip Generation Manual, 10th Edition* can be utilized to derive the daily vehicle trips that would be generated by the residential component of the proposed project. The process entails applying a factor to the observed peak hour trip rates from the Sycamore Lane Apartments to estimate the daily trip rate. Hourly-to-daily factors are provided in Appendix A of the ITE *Trip Generation Manual* for ITE Land Use Category 225 – Off-Campus Student Apartment (Adjacent to Campus). Using this factoring process, the estimated daily vehicle trip rate would be 2.72 daily vehicle trips per bedroom, equivalent to 1,690 daily vehicle trips generated by the 622-bedroom residential component of the project.

Project Vehicle Trip Generation – Commercial Component

Peak hour vehicle trip rates for the commercial component of the project were derived from the weekday peak period vehicle trip counts collected at the existing University Mall in May 2018. Based on these counts, the observed a.m. and p.m. peak hours for vehicle trip generation occurred from 8:00 a.m. to 9:00 a.m. and 4:30 p.m. to 5:30 PM, respectively. Table 11 summarizes the observed peak hour vehicle trip rates per occupied 1,000 square feet (KSF) for the existing University Mall. At the time of the trip counts, 96.436 KSF of the 103.853 KSF mall was occupied, equivalent to approximately 93 percent occupancy.

During the a.m. peak hour, the existing University Mall generated 425 vehicle trips, equivalent to an average rate of 4.41 vehicle trips per occupied KSF. During the p.m. peak hour, the existing University Mall generated 948 vehicle trips, equivalent to an average rate of 9.83 vehicle trips per occupied KSF. Vehicle trip rates reflect vehicle trips generated by mall employee, delivery, and visitor drive alone and park, carpool and park, and pick-up/drop-off activity, including utilization of TNC services.

Table 11: Existing University Mall – Peak Hour Vehicle Trip Generation

Category	Occupied KSF	A.M. Peak Hour			P.M. Peak Hour		
		Total	In	Out	Total	In	Out
Vehicle Trips	96.436	425	244	181	948	495	456
Vehicle Trip Rate		4.41	57%	43%	9.83	52%	48%

Note: Observed a.m. and p.m. peak hours for the existing University Mall were 8:00 a.m. to 9:00 a.m. and 4:30 p.m. to 5:30 p.m., respectively. University Mall was approximately 93 percent occupied at the time of the trip counts, equivalent to 96.436 occupied KSF.
Source: Fehr & Peers, 2019.

The vehicle trip rates shown in Table 11 are substantially higher than trip rates typically observed at comparable shopping centers per ITE's *Trip Generation Manual*. Field observations suggested that the Trader Joe's and Starbucks located on-site may have contributed to these unusually high trip rates due to their large number of customers and high rate of customer turnover. Accordingly, it is necessary to isolate the vehicle trips generated by the existing Trader Joe's and Starbucks in order to understand the trip generation characteristics for the remaining retail uses at the existing University Mall. This is an important step because the vehicle trip rates for the remaining retail uses at the existing University Mall are subsequently used for estimating peak hour vehicle trip generation for the expanded University Mall retail space proposed by the project. In other words, it would not be reasonable to assume the proposed project consists entirely of future land uses that generate trips at the rates that Trader Joes' and Starbucks do.

Trip counts and field observations were conducted at the existing University Mall Trader Joe's and Starbucks on Wednesday, November 28, 2018 and Thursday, November 29, 2018 (i.e., one week after the Thanksgiving Holiday). Data collection included peak hour person trip generation counts at the entrance/exit to each use, as well as observations related to mode choice and vehicle occupancy (e.g. recording the size of groups entering/exiting the use from adjacent parking spaces, bike racks, and transit stops).

Table 12 summarizes the observed peak hour vehicle trip rates per occupied KSF for the Trader Joe's and Starbucks. After excluding these high trip generators, the remaining retail uses at the existing University Mall generate 1.28 vehicle trips per occupied KSF during the a.m. peak hour and 4.36 vehicle trips per occupied KSF during the p.m. peak hour. Those rates are much more in line with what should be expected

from a retail center, particularly one located in a university setting where travel by non-vehicle modes is common.[3]

Trip generation data from the ITE *Trip Generation Manual* indicates that vehicle trip rates gradually decrease as the size of a shopping center increases. This occurs as a result of more complementary uses being present on-site. Thus, since the proposed project would increase the amount of total retail space on-site, it is appropriate to adjust the preliminary trip rates shown in Table 12 (i.e., 1.28 and 4.36 vehicle trips per peak hour) to reflect the marginal increase in internalized retail-to-retail trips.

With adjustments for internalization, the a.m. and p.m. peak hour vehicle trip rates for the project's remaining retail uses would be 1.03 and 3.93 vehicle trips per hour, respectively. Note that vehicle trip rates observed for Trader Joe's and Starbucks (or an equivalent coffee shop assumed as part of the project) are maintained separate from this process (see below).

Table 12: Existing University Mall Remaining Retail – Peak Hour Vehicle Trip Generation

Category	Occupied KSF	A.M. Peak Hour			P.M. Peak Hour		
		Total	In	Out	Total	In	Out
Existing University Mall (All uses)	96.436	425	244	181	948	495	456
Trader Joe's	*13.200*	*179*	*92*	*87*	*505*	*255*	*250*
Starbucks	*1.435*	*141*	*73*	*68*	*86*	*41*	*45*
High Trip Generators Subtotal (Trader Joe's + Starbucks)	14.635	320	165	155	591	296	295
Remaining Retail Uses Subtotal (Existing Mall – High Trip Generators)	81.801	105	79	26	357	199	158
Remaining Retail Uses Vehicle Trip Rate	**81.801**	**1.28**	**75%**	**25%**	**4.36**	**56%**	**44%**
Remaining Retail Uses Vehicle Trip Rate Adjusted for Increased Shopping Center Size		**1.03**			**3.93**		

Source: Fehr & Peers, 2019.

Additional adjustments for internalization due to the proposed co-location of residential and commercial uses are not warranted since the base vehicle trip rates were derived from observed data collected from

[3] For comparison, according to the ITE *Trip Generation Manual, 10th Edition* published rates for Land Use Category 820 (Shopping Center), a shopping center with 81.801 occupied KSF would generate 2.36 vehicle trips per occupied KSF during the a.m. peak hour and 5.72 vehicle trips per occupied KSF during the p.m. peak hour (fitted curve equivalents). Note that these ITE rates were derived from shopping center sites surveyed in general urban/suburban settings nationwide and would therefore be expected to exhibit greater use of vehicle modes compared to the University Mall site.

the existing University Mall and neighboring Sycamore Lane Apartments, and therefore already capture travel behavior that approximate internalization activity (e.g., shift to non-motorized modes).

Table 13 summarizes the estimated number of peak hour vehicle trips that would be generated by the commercial component of the proposed project. The commercial component of the project would generate an estimated 459 a.m. peak hour and 1,122 p.m. peak hour vehicle trips.

Table 13: Proposed University Mall Retail Component – Peak Hour Vehicle Trip Generation

Category	Occupied KSF	A.M. Peak Hour			P.M. Peak Hour		
		Total	In	Out	Total	In	Out
Trader Joe's[1]	13.200	179	92	87	505	255	250
Starbucks or Equivalent[2]	1.435	141	73	68	86	41	45
Remaining Retail Uses[3]	135.365	139	105	34	531	296	235
Project Commercial Component	**150.000**	**459**	**270**	**189**	**1,122**	**592**	**530**

Notes: [1] Derived from existing University Mall Trader Joe's observed peak hour vehicle trip generation.
[2] Derived from existing University Mall Starbucks observed peak hour vehicle trip generation. While the current project description does not explicitly include a Starbucks, the existing University Mall Starbucks is successful, and it or an equivalent coffee shop use would likely be included as an element of the redeveloped University Mall.
[3] Calculated as follows based on the adjusted vehicle trip rates to reflect increased internal trips associated with larger shopping center size:
A.M. Peak Hour T = 1.03(X), with 75% inbound and 25% outbound.
P.M. Peak Hour T = 3.93(X), with 56% inbound and 44% outbound.
Where T = trip ends and X = occupied KSF.

Source: Fehr & Peers, 2019.

The ITE *Trip Generation Manual, 10th Edition*, can be utilized to estimate the daily vehicle trips that would be generated by the commercial component of the proposed project. Similar to the methodology utilized for the project residential component, this process entails applying a factor to the observed peak hour trip rates from the existing University Mall to estimate the daily trip rate. Hourly-to-daily factors are provided in Appendix A of the ITE *Trip Generation Manual* for comparable land use categories. The following ITE land use categories were utilized for this process because they most closely correspond with the individual elements of the commercial component of the proposed project, including the Trader Joe's, Starbucks, and remaining retail uses:

- ITE Land Use Category 850 – Supermarket (Trader Joe's)
- ITE Land Use Category 936 – Coffee/Donut Shop without Drive-Through Window (Starbucks)
- ITE Land Use Category 820 – Shopping Center (Remaining Retail Uses)

Using this factoring process, the 150 occupied KSF commercial component of the project would generate an estimated 14,387 daily gross vehicle trips. It is important to reiterate that this process does not rely directly on ITE trip rates; rather, it applies the hourly to daily ratios for these land use categories from the *Trip Generation Manual* to the empirically observed trip data at University Mall. In other words, it is adjusted to more accurately reflect observed conditions from the site.

Project Vehicle Trip Generation Summary

Table 14 summarizes the project's estimated a.m. peak hour, p.m. peak hour, and daily vehicle trip generation based on the procedures described above. The project would generate an estimated 528 a.m. peak hour, 1,215 p.m. peak hour, and 16,077 daily gross vehicle trips. When accounting for vehicle trips currently generated by the existing University Mall, the project would generate an estimated 103 a.m. peak hour, 267 p.m. peak hour, and 3,642 daily gross vehicle trips beyond what University Mall currently generates today.

Table 14: University Commons Project – Vehicle Trip Generation

Category	Units	Daily	A.M. Peak Hour			P.M. Peak Hour		
		Total	Total	In	Out	Total	In	Out
Residential Component	622 bedrooms	1,690	69	20	49	93	39	54
Commercial Component	150.000 occ. KSF	14,387	459	270	189	1,122	592	530
Project Total (Gross)		**16,077**	**528**	**290**	**238**	**1,215**	**631**	**584**
Existing University Mall	96.436 occ. KSF[1]	-12,435	-425	-244	-181	-948	-495	-453
Project Total (Gross Increase)		**3,642**	**103**	**46**	**57**	**267**	**136**	**131**

Notes: [1] Includes existing Trader Joe's and all other occupied space at the existing University Mall.
Source: Fehr & Peers, 2019.

Table 15 summarizes the estimated project a.m. peak hour, p.m. peak hour, and daily net new vehicle trip generation resulting from pass-by trip adjustments. Pass-by trips are trips already on the network that are diverted to and from a commercial or retail land use, and therefore would not be considered as new trips generated by the project., The pass-by trip adjustments represent 34 percent of the gross increase in project vehicle trips attributed to the project commercial component only. This adjustment factor is based on data provided in the ITE *Trip Generation Handbook* for shopping center land uses. After accounting for pass-by trips, the project would generate an estimated 91 a.m. peak hour, 208 p.m. peak hour, and 2,978 daily net new vehicle trips. These figures represent the total new vehicle trips generated by the project that would be added to the surrounding roadway network.

Table 15: University Commons Project – Pass-By Trip Adjustment

Category	Occupied KSF	A.M. Peak Hour			P.M. Peak Hour		
		Total	In	Out	Total	In	Out
Project Total (Gross Increase)	3,642	103	46	57	267	136	131
Project Total (Pass-By)[1]	-664	-12	-9	-3	-59	-33	-26
Project Total (Net Increase in New Trips)[2]	**2,978**	**91**	**37**	**54**	**208**	**103**	**105**

Notes: [1] Calculated as 34 percent of the gross increase in project vehicle trips attributed to the project commercial component only.
[2] Represents the total new vehicle trips generated by the project that would be added to the surrounding roadway network.
Source: ITE Trip Generation Handbook, 2017; Fehr & Peers, 2019.

Project Mode Choice

Project travel mode choice during the a.m. and p.m. peak hours was estimated based on peak period field observations and person trip generation counts conducted at the Sycamore Lane Apartments and existing University Mall. Table 16 summarizes the estimated mode choice for peak hour person trips generated by the project.

Table 16: University Commons Project – Peak Hour Mode Choice

Travel Mode	Residential Component		Commercial Component	
	A.M Peak Hour	P.M Peak Hour	A.M Peak Hour	P.M Peak Hour
Walk	18%	28%	10%	13%
Bike	48%	36%	9%	9%
Transit	13%	6%	3%	2%
Drive (Self-Park)	19%	29%	76%	75%
Drive (Ridehail)	2%	1%	2%	1%

Source: Fehr & Peers, 2019.

Project Trip Distribution and Assignment

Trip distribution refers to the routing of vehicle trips throughout the roadway system serving the project site. Figures 10 through 13 show the expected distribution of external vehicle trips to and from the project site. Trip distribution patterns were developed separately for the project residential and commercial components of the project in order to capture variations in route choices associated with project site visitors, employees, and residents. The trip distribution was developed based on the following sources:

- Separate "project-only" traffic assignments for the residential and commercial components of the project from the UC Davis/City of Davis travel demand model.
- Review of existing directional travel patterns to and from the University Mall and the Sycamore Lane Apartments apartment complex.

The majority of project vehicle trips would utilize Russell Boulevard east and west of the project site. Other roadways that would be expected to accommodate project vehicle trips include SR 113, Sycamore Lane, Anderson Road, La Rue Road, and West Eighth Street.

Vehicle Miles Traveled (VMT)

In this study, vehicle miles traveled (VMT) estimates were prepared for the purposes of identifying potential transportation impacts, as well as to inform other EIR sections including air quality, noise, and greenhouse gas emissions. Project-generated VMT estimates were derived from the process previously described in the Analysis Methodology section.

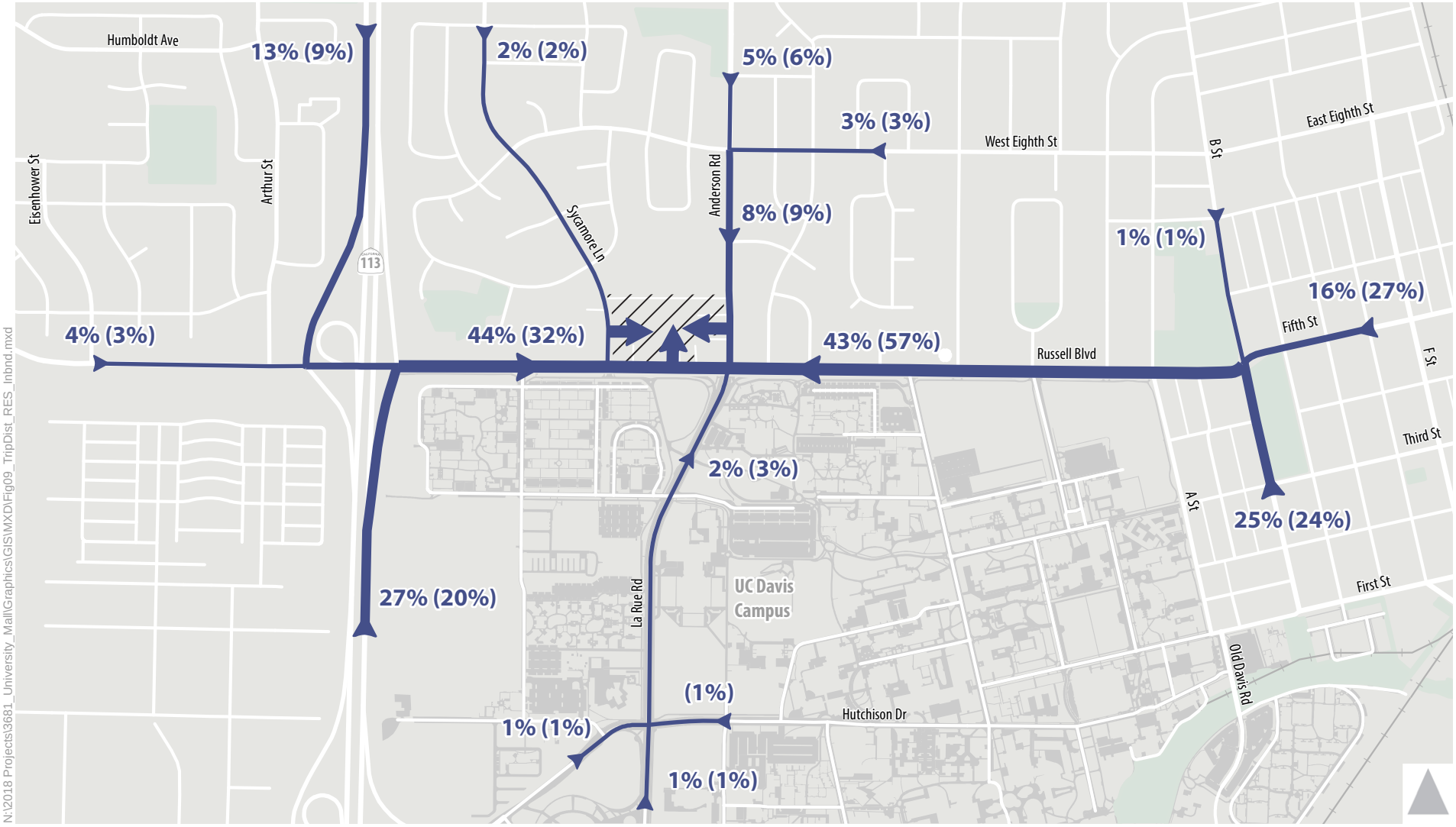
VMT is considered a useful metric in understanding how a project can affect the efficiency of the transportation system. By definition, one VMT occurs when a vehicle is driven one mile. In addition, a given VMT value represents vehicular miles of travel for an entire weekday. Lastly, VMT values in this study represent the full length of a given trip, and are not truncated at city, county, or region boundaries.

Table 17 displays the estimated VMT generated by the project site. This table shows that the proposed project is estimated to generate a net increase of 16,495 VMT under existing conditions and 16,710 VMT under cumulative conditions on a typical weekday. Changes to project-generated VMT estimates between Existing Plus Project and Cumulative Plus Project can be attributed to changes to project trip distances, not project trip generation. Changes to trip distances would result from local and regional land use patterns that would alter travel behavior within and between the City of Davis and neighboring jurisdictions (e.g., a constrained local housing supply would result in a greater number of project employees residing outside of Davis and commuting longer distances for work).

Table 17: University Commons Project – Weekday Project-Generated VMT

Weekday VMT	Existing Conditions			Cumulative Conditions		
	No Project[1]	Plus Project[2]	Difference (Project-Generated)[3]	No Project[1]	Plus Project[2]	Difference (Project-Generated)[3]
Residential Component	--	10,010	**+10,010**	--	8,630	**+8,630**
Commercial Component[4]	40,275	46,760	**+6,485**	45,540	53,620	**+8,080**
Project Site Total	40,275	56,770	**+16,495**	45,540	62,250	**+16,710**

Note: [1] Existing and Cumulative No Project scenarios presume the project site remains as-is (i.e., the project is not constructed).
[2] Existing and Cumulative Plus Project scenarios presume the construction of the proposed project.
[3] Represents the incremental increase in VMT generated by the project site between No Project and Plus Project conditions.
[4] Estimate includes a pass-by trip reduction of 34 percent for trips attributed to on-site commercial uses, per the ITE *Trip Generation Handbook*.
Source: Fehr & Peers, 2019.



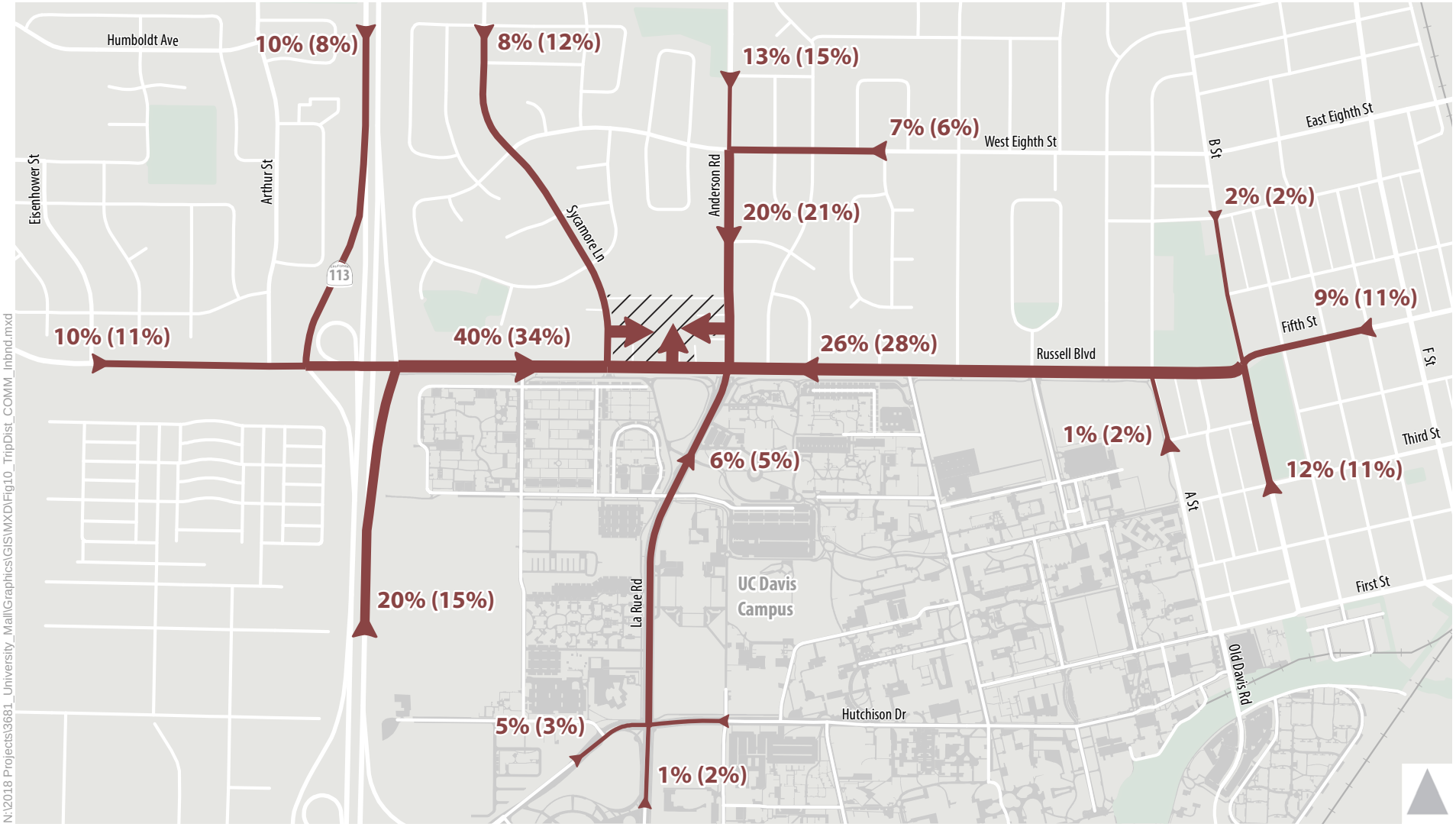
xx% (xx%) AM (PM) Project Trip Distribution Percentage

Project Site

Notes:
Only percentages greater than 1% are shown so total may not add up to 100%.

Figure 10

Project Trip Distribution - Residential Component (Inbound)



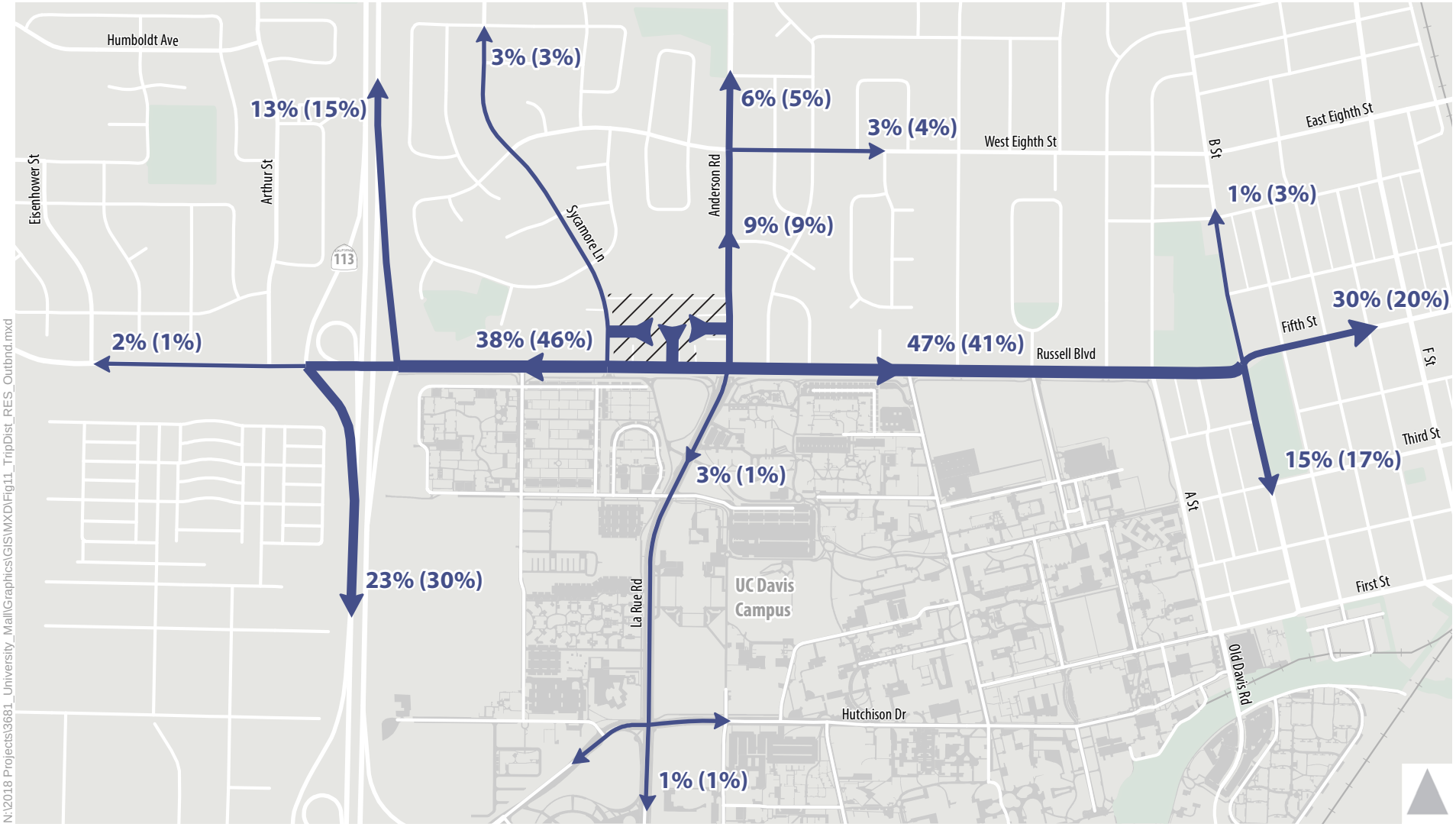
xx% (xx%) AM (PM) Project Trip Distribution Percentage

Project Site

Note: Only percentages greater than 1% are shown so total may not add up to 100%.

Figure 11

Project Trip Distribution - Commercial Component (Inbound)



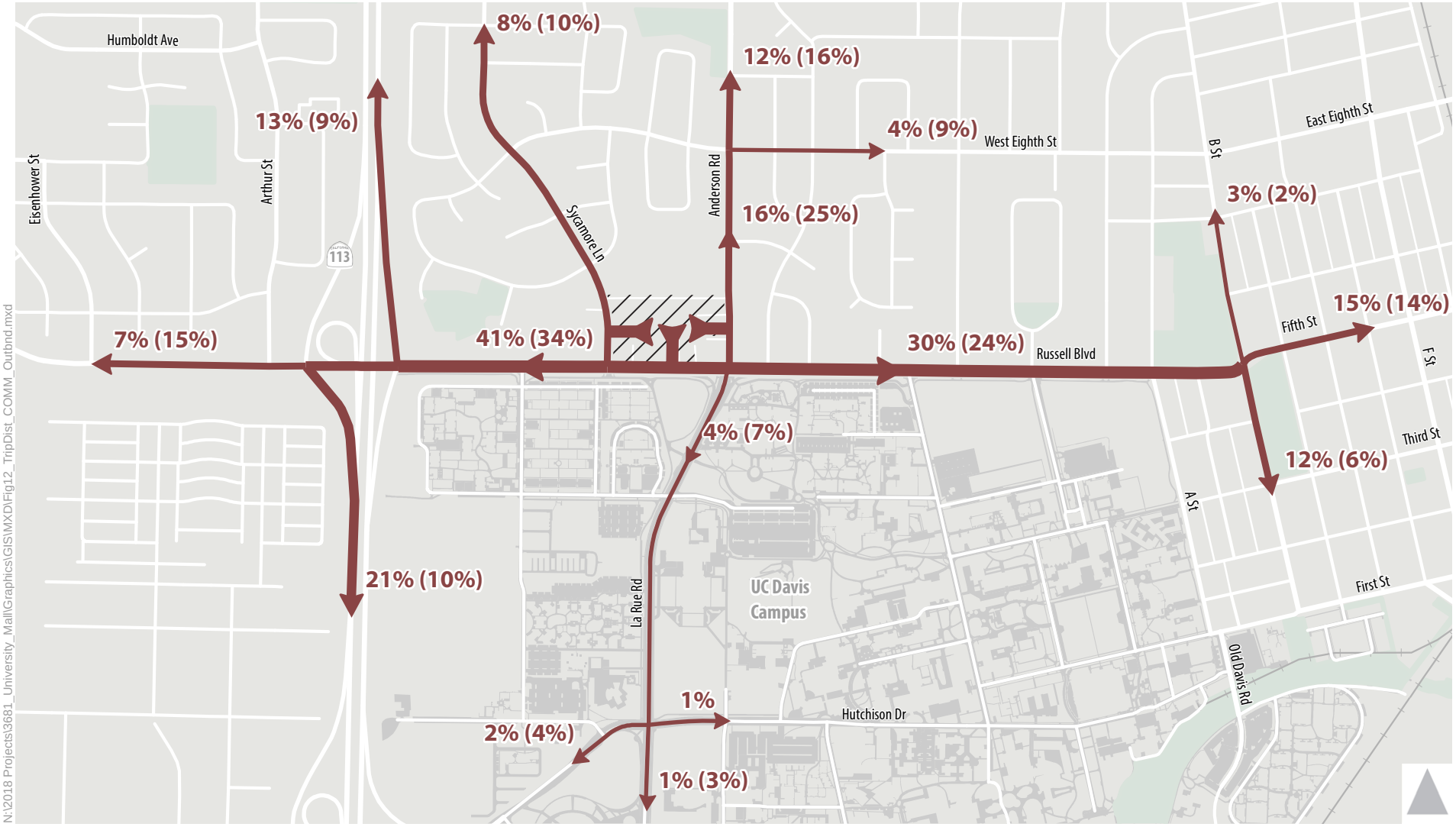
xx% (xx%) AM (PM) Project Trip Distribution Percentage

Project Site

Note: Only percentages greater than 1% are shown so total may not add up to 100%.

Figure 12

Project Trip Distribution - Residential Component (Outbound)



xx% (xx%) AM (PM) Project Trip Distribution Percentage

Project Site

Note: Only percentages greater than 1% are shown so total may not add up to 100%.

Figure 13

Project Trip Distribution - Commercial Component (Outbound)

6. Significance Criteria

This section describes the thresholds or criteria that determine whether the project would cause an adverse effect to the surrounding roadway, bicycle, pedestrian, or transit systems. These thresholds are based on policies from the City of Davis General Plan, policies from owner/operators of affected transportation facilities (e.g., Caltrans and UC Davis), criteria utilized in previous transportation studies prepared by the City, and professional judgment.

Intersection Criteria

The following significance criteria are used to identify operational deficiencies based on the intersection LOS analysis. Per the City of Davis General Plan Transportation Element, LOS E is the minimum acceptable LOS for the majority of intersections within the City, and for each City-operated study intersection in the study area. LOS F is acceptable for other areas (e.g., Downtown Davis and the Richards Boulevard corridor) as established in the General Plan and contingent on approval by the City Council. LOS E is the minimum acceptable LOS established by Caltrans for SR 113 within the study area. LOS F is acceptable for all roadway facilities on the UC Davis campus. For the purposes of this transportation study, significant impacts at intersections are defined when the addition of project traffic would cause any of the following:

- For signalized intersections, cause overall intersection operations to deteriorate from an acceptable level (LOS E or better) to an unacceptable level (LOS F);
- For signalized intersections, exacerbate unacceptable (LOS F) operations by increasing an intersection's average delay by five seconds or more;
- For unsignalized intersections, cause the worst-case movement (or average of all movements for all-way stop-controlled intersections) to worsen from an acceptable level (LOS E or better) to an unacceptable level (LOS F) and meet the peak hour signal warrant;
- For unsignalized intersections that operate unacceptably (LOS F) and meet the peak hour signal warrant without the project, worsen operations by increasing the overall intersection's volume served by more than one percent; or
- For unsignalized intersections that operate unacceptably but do not meet the peak hour signal warrant without the project, add sufficient volume to meet the warrant.

Bicycle Facility Criteria

The project is considered to result in a significant impact to bicycle facilities if:

- The project conflicts with existing, planned, or possible future bicycle facilities; or
- The project otherwise decreases the performance or safety of such facilities.

Pedestrian Facility Criteria

The project is considered to result in a significant impact to pedestrian facilities if:

- The project conflicts with existing, planned, or possible future pedestrian facilities; or
- The project otherwise decreases the performance or safety of such facilities.

Transit Service and Facilities Criteria

The project is considered to result in a significant impact to transit facilities and services if:

- The project conflicts with existing, planned, or possible future transit facilities and services; or
- The project otherwise decreases the performance or safety of such facilities.

Other Transportation Considerations

The project is considered to result in a significant impact if any of the following conditions occur:

- The project does not provide for adequate emergency vehicle access and on-site circulation;
- The project does not provide for adequate site access;
- Construction-related traffic causes adverse effects as defined by the transportation system criteria described above; or
- The project's vehicle miles traveled (VMT) exceeds local or regional per capita averages.

7. Impacts and Mitigation Measures

This section describes the evaluation of potential transportation impacts associated with the construction of the project and, in instances where the project would cause a significant impact, identifies potential mitigation measures that would lessen the severity of the impact.

The following scenarios were analyzed to inform the transportation impact analysis:

- **Existing Conditions –** Establishes the existing setting, which is used to measure the significance of project impacts. This scenario was presented in Chapter 3.
- **Existing Plus Project Conditions –** Adds changes to travel demand resulting from buildout of the proposed project to existing conditions.
- **Cumulative No Project Conditions –** Represents cumulative travel demand based on reasonably foreseeable local and regional land use and transportation system changes. For the purposes of this study, the cumulative year is 2036. This scenario assumes the project site remains as-is (i.e., University Mall as currently occupied).
- **Cumulative Plus Project Conditions –** Adds changes to travel demand resulting from buildout of the proposed project to Cumulative No Project conditions.

Roadway System

The roadway impact analysis relies on a comparison of Existing to Existing Plus Project and Cumulative No Project to Cumulative Plus Project intersection level of service (LOS). For each scenario, a.m. and p.m. peak hour traffic volumes were developed for each study intersection.

The turning movement forecasts for each study intersection and scenario are contained in the Appendix. These forecasts were used to calculate a.m. and p.m. peak hour vehicle LOS for the study intersections. Results are summarized and compared across each analysis scenario in Tables 18 and 20. Figures 14 and 15 compare the intersection LOS results between Existing and Existing Plus Project conditions and between Cumulative No Project and Cumulative Plus Project conditions, respectively.

Intersection Operations – Existing Plus Project Conditions

For Existing Plus Project conditions, project-generated peak hour traffic volumes (developed using the process described in the Project Travel Characteristics section) were layered on top of observed existing peak hour traffic volumes at each study intersection.

The project would add the following vehicle trips to Russell Boulevard within the project vicinity:

- West of Sycamore Lane
    - Eastbound Russell Boulevard: 16 a.m. peak hour trips and 35 p.m. peak hour trips
    - Westbound Russell Boulevard: 21 a.m. peak hour trips and 40 p.m. peak hour trips
- East of Anderson Road
    - Eastbound Russell Boulevard: 22 a.m. peak hour trips and 40 p.m. peak hour trips
    - Westbound Russell Boulevard: 17 a.m. peak hour trips and 37 p.m. peak hour trips

When compared to existing volumes, these volumes would represent the following increases in peak hour vehicle trips on Russell Boulevard within the project vicinity:

- West of Sycamore Lane
    - Eastbound Russell Boulevard: two percent a.m. peak hour increase and five percent p.m. peak hour increase
    - Westbound Russell Boulevard: four percent a.m. peak hour increase and five percent p.m. peak hour increase
- East of Anderson Road
    - Eastbound Russell Boulevard: three percent a.m. peak hour increase and four percent p.m. peak hour increase
    - Westbound Russell Boulevard: four percent a.m. and p.m. peak hour increase

in the westbound direction, these volumes would represent a four percent increase in the a.m. peak hour and a five percent increase in the p.m. peak hour. In the eastbound direction, these volumes would represent a three percent increase in the a.m. peak hour and a five percent increase in the p.m. peak hour.

As shown in Table 18, the project would cause increases in intersection delay, however, all study intersections would operate within acceptable LOS thresholds. At most intersections, peak hour delay would increase by six seconds or less. On average, signalized intersections would experience a 0.3 and 1.5

second increase during the a.m. and p.m. peak hours, respectively. The Russell Boulevard/Orchard Park Drive and Russell Boulevard/California Avenue intersections would continue to meet the peak hour warrant for a traffic signal. The Sycamore Lane/Wake Forest Drive and Sycamore Lane/West Eighth Street intersections would continue to not meet the peak hour warrant for a traffic signal.

Table 19 shows how the project would change maximum queue lengths for critical movements along the Russell Boulevard corridor. This table indicates the following:

- The project would increase a.m. peak hour queues at the SR 113 off-ramps at Russell Boulevard. The ramps have adequate storage for these queues and to provide deceleration opportunities.
- The project would increase the eastbound left-turn maximum queue length at the Russell Boulevard/Sycamore Lane intersection during the a.m. and p.m. peak hours. This queue would spill back to a distance of 325 feet, exceeding the available 300 feet of pocket storage during both the a.m. and p.m. peak hours. The project would also increase the frequency with which the left-turn queue would block the adjacent eastbound through lane.
- The project would increase southbound maximum queues at the Russell Boulevard intersections at Sycamore Lane and Anderson Road. These queues would continue to extend through the bicycle-vehicle mixing zone for the southbound bike lane provided upstream of the intersection.

Table 18: Peak Hour Intersection Operations – Existing Plus Project Conditions

Intersection	Traffic Control	Jurisdiction	Peak Hour	Existing Conditions		Existing Plus Project Conditions	
				Delay	LOS	Delay	LOS
1. Russell Blvd./SR 113 SB Ramps	Signal	Caltrans	A.M.	8	A	8	A
			P.M.	7	A	6	A
2. Russell Blvd./SR 113 NB Ramps	Signal	Caltrans	A.M.	17	B	17	B
			P.M.	25	C	25	C
3. Russell Blvd./Orchard Park Dr.	SSSC	City of Davis	A.M.	3 (31)	A (D)	3 (35)	A (E)
			P.M.	5 (41)	A (E)	5 (36)	A (E)
4. Russell Blvd./Sycamore Lane	Signal	City of Davis	A.M.	21	C	22	C
			P.M.	24	C	30	C
5. Russell Blvd./Anderson Road/ La Rue Road	Signal	City of Davis	A.M.	28	C	28	C
			P.M.	26	C	32	C
6. Russell Blvd./California Ave.	SSSC	City of Davis	A.M.	5 (17)	A (C)	5 (17)	A (C)
			P.M.	5 (20)	A (C)	5 (19)	A (C)
7. Russell Blvd./Oak Ave.	Signal	City of Davis	A.M.	12	B	11	B
			P.M.	10	A	10	B
8. Russell Blvd./College Park/Howard Way	Signal	City of Davis	A.M.	17	B	23	C
			P.M.	39	D	37	D
9. Russell Blvd./A St.	Signal	City of Davis	A.M.	21	B	18	B
			P.M.	24	C	29	C
10. Russell Blvd./Fifth St./B St.	Signal	City of Davis	A.M.	27	C	27	C
			P.M.	19	B	20	C
11. Sycamore Lane/Wake Forest Dr.	SSSC	City of Davis	A.M.	3 (18)	A (C)	3 (18)	A (C)
			P.M.	3 (17)	A (C)	3 (18)	A (C)
12. Sycamore Lane/West Eighth St.	AWSC	City of Davis	A.M.	10 (10)	A (B)	10 (10)	A (B)
			P.M.	9 (9)	A (A)	9 (9)	A (C)
13. Anderson Rd./West Eighth St.	Signal	City of Davis	A.M.	22	C	22	C
			P.M.	18	B	19	B
14. La Rue Rd./Hutchison Dr.	Signal	UC Davis	A.M.	17	B	17	B
			P.M.	22	C	22	C

Notes: For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side-street stop-controlled intersections, average intersection delay is reported in seconds per vehicle for all approaches with the delay and LOS for the worst-case movement reported in parentheses.
Source: Fehr & Peers, 2019.

Table 19: Maximum Queue Length Estimates – Existing Plus Project Conditions

Intersection	Movement	Available Storage	Existing Maximum Vehicle Queue		Existing Plus Project Maximum Vehicle Queue	
			A.M Peak Hour	P.M Peak Hour	A.M Peak Hour	P.M Peak Hour
Russell Blvd./SR 113 SB Ramps	SB LT	1,500 feet	275 feet	200 feet	300 feet	200 feet
Russell Blvd/SR 113 NB Ramps	NB RT	1,100 feet	250 feet	400 feet	275 feet	425 feet
Russell Blvd./Sycamore Lane	EB LT	300 feet	**325 feet**	**325 feet**	**325 feet**	**325 feet**
	WB TH	750 feet	125 feet	275 feet	125 feet	350 feet
	SB LT	125 feet	**175 feet**	**175 feet**	**175 feet**	**175 feet**
	SB RT	125 feet	**250 feet**	**200 feet**	**275 feet**	**225 feet**
Russell Blvd./Anderson Rd./La Rue Rd.	EB LT	100 feet	**125 feet**	**125 feet**	**125 feet**	**150 feet**
	EB TH	750 feet	200 feet	150 feet	250 feet	200 feet
	WB LT	225 feet	175 feet	**250 feet**	175 feet	225 feet
	WB TH	1,600 feet	175 feet	400 feet	175 feet	475 feet
	NB LT	125 feet	100 feet	**175 feet**	100 feet	**175 feet**
	NB TH	975 feet	100 feet	275 feet	100 feet	250 feet
	NB RT	225 feet	75 feet	150 feet	100 feet	175 feet
	SB LT	150 feet	150 feet	150 feet	150 feet	150 feet
	SB TH	1,525 feet	400 feet	325 feet	400 feet	450 feet

Notes: Estimates derived from SimTraffic micro-simulation software.
Storage values measured from stop bar to adjacent upstream intersection.
All values rounded to the nearest 25 feet.
NB = northbound, SB = southbound, EB = eastbound, and WB = westbound.
LT = left-turn, RT = right-turn, and TH = through.
Bold text indicates queues that exceed available storage.

Source: Fehr & Peers, 2019.

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Intersection
Level of Service (LOS)

A-C D E F Driveway

Existing Existing Plus Project

Note: Intersections 3, 6, and 11 are reporting worst movement delay.

Figure 14

Peak Hour Intersection Level of Service
Existing and Existing Plus Project Conditions

Intersection Operations – Cumulative Plus Project Conditions

For Cumulative No Project conditions, peak hour traffic volumes were estimated using the UC Davis/City of Davis travel demand model. Traffic forecasts were developed for Cumulative No Project conditions using the difference method procedure, which adds the growth in traffic between the base year and future year models to the Existing volumes. This method is commonly used in forecasting because it accounts for errors in the base year model, which could also translate to the cumulative forecasts if not accounted for by this method. The travel demand model includes reasonably foreseeable land use and transportation system changes, including the 2016 SACOG MTP/SCS and City of Davis General Plan land use growth and transportation improvement projects, as well as student, employment, and on-campus housing growth associated with the UC Davis 2018 LRDP. Refer to the Appendix for the *UC Davis/City of Davis Travel Demand Model Development Report* for additional details.

Between existing and Cumulative No Project conditions, Russell Boulevard traffic volumes would increase between 19 and 37 percent during the a.m. peak hour and between 44 and 53 percent during the p.m. peak hour (depending on the direction and location). Increases in Russell Boulevard corridor peak hour traffic volumes can be attributed to background traffic growth generated by future development planned within the City of Davis and on the UC Davis campus.

Under Cumulative No Project, overall corridor operations along Russell Boulevard would degrade substantially compared to existing conditions, particularly during the p.m. peak hour. Increased corridor delay during the p.m. peak hour would cause queue spillbacks to adjacent upstream intersections. The following intersections would fail to meet acceptable LOS thresholds under Cumulative No Project conditions:

- Russell Boulevard/Orchard Park Drive – LOS F (worst-case movement) during the a.m. and p.m. peak hours.
- Russell Boulevard/Anderson Road/La Rue Road – LOS F (intersection average) during the p.m. peak hour.
- Russell Boulevard/California Avenue – LOS F (worst-case movement) during the a.m. and p.m. peak hours.

Under Cumulative No Project conditions, the Russell Boulevard/Orchard Park Drive and Russell Boulevard/California Avenue intersections would continue to meet the peak hour warrant for a traffic signal. The Sycamore Lane/Wake Forest Drive and Sycamore Lane/West Eighth Street intersections would continue to not meet the peak hour warrant for a traffic signal.

For Cumulative Plus Project conditions, project-generated peak hour traffic volumes were layered on top of estimated Cumulative No Project peak hour traffic volumes at each study intersection. The number of peak hour project vehicle trips added to the Russell Boulevard corridor would be identical to those generated under Existing Plus Project conditions (as described previously).

Under Cumulative Plus Project conditions, overall corridor operations along Russell Boulevard would continue to experience substantial delay during the p.m. peak hour, with queues extending to adjacent upstream intersections. At most intersections, the addition of the project would increase peak hour delay by five seconds or less. At the two intersections nearest to the project site – Russell Boulevard/Sycamore Lane and Russell Boulevard/Anderson Road/La Rue Road – the addition of the project would increase peak hour delay by between 15 and 20 seconds. Between Cumulative No Project and Cumulative Plus Project conditions, on average, signalized intersections would experience a 2.2 and 3.9 second increase during the a.m. and p.m. peak hours, respectively. As would be the case under Cumulative No Project Conditions, the following intersections would fail to meet acceptable LOS thresholds under Cumulative Plus Project conditions:

- Russell Boulevard/Orchard Park Drive – LOS F (worst-case movement) during the a.m. and p.m. peak hours.
- Russell Boulevard/Anderson Road/La Rue Road – LOS F (intersection average) during the p.m. peak hour.
- Russell Boulevard/California Avenue – LOS F (worst-case movement) during the a.m. and p.m. peak hours.

The Russell Boulevard/Orchard Park Drive and Russell Boulevard/California Avenue intersections would continue to meet the peak hour warrant for a traffic signal under Cumulative Plus Project conditions. The Sycamore Lane/Wake Forest Drive and Sycamore Lane/West Eighth Street intersections would continue to not meet the peak hour warrant for a traffic signal.

Table 21 shows how the project would change maximum queue lengths for critical movements along the Russell Boulevard corridor under Cumulative Plus Project conditions. This table indicates the following:

- The project would increase the eastbound left-turn maximum queue length at the Russell Boulevard/Sycamore Lane intersection during the a.m. and p.m. peak hours to 350 feet and 375 feet, respectively. These queues would continue to exceed the available 300 feet of pocket storage during both the a.m. and p.m. peak hours. The project would also increase the frequency and duration with which the left-turn queue would block the adjacent eastbound through lane.

- The project would increase southbound maximum queue length at the Russell Boulevard/Anderson Road/La Rue Road intersection. This queue would continue to extend through the bicycle-vehicle mixing zone for the southbound bike lane provided upstream of the intersection.
- Northbound queues at the Russell Boulevard/Anderson Road/La Rue Road intersection would spill back to the Orchard Road intersection during the p.m. peak hour. This condition would exist under Cumulative No Project conditions, and the project would have a modest contribution to this condition.
- The project would increase eastbound maximum queue lengths at the Russell Boulevard/Anderson Road/La Rue Road intersection. However, queues would not increase to the extent that they would spill back to the upstream Russell Boulevard/Sycamore Lane intersection.

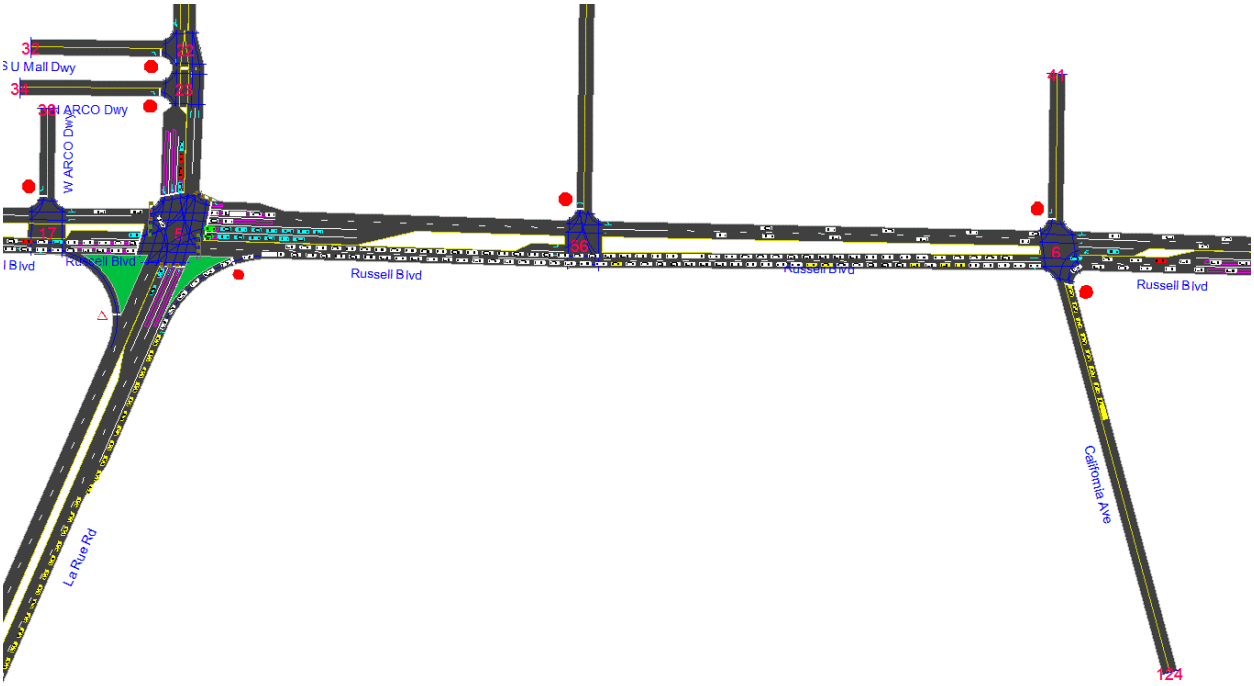

Image of SimTraffic model showing congestion on Russell Boulevard between Anderson Road and California Avenue under Cumulative No Project p.m. peak hour conditions.

Table 20: Peak Hour Intersection Operations – Cumulative Plus Project Conditions

Intersection	Traffic Control	Jurisdiction	Peak Hour	Cumulative No Project Conditions		Cumulative Plus Project Conditions	
				Delay	LOS	Delay	LOS
1. Russell Blvd./SR 113 SB Ramps	Signal	Caltrans	A.M.	12	B	12	B
			P.M.	9	A	10	A
2. Russell Blvd./SR 113 NB Ramps	Signal	Caltrans	A.M.	21	C	23	C
			P.M.	36	D	34	C
3. Russell Blvd./Orchard Park Dr.	SSSC	City of Davis	A.M.	**9 (>120)**	**A (F)**	**12 (>120)**	**B (F)**
			P.M.	**16 (53)**	**C (F)**	**18 (91)**	**C (F)**
4. Russell Blvd./Sycamore Lane	Signal	City of Davis	A.M.	22	C	25	C
			P.M.	41	D	57	E
5. Russell Blvd./Anderson Road/ La Rue Road	Signal	City of Davis	A.M.	43	D	58	E
			P.M.	**100**	**F**	**120**	**F**
6. Russell Blvd./California Ave.	SSSC	City of Davis	A.M.	8 (37)	A (E)	9 (42)	A (E)
			P.M.	**87 (>120)**	**F (F)**	**86 (>120)**	**F (F)**
7. Russell Blvd./Oak Ave.	Signal	City of Davis	A.M.	13	B	10	A
			P.M.	41	D	42	D
8. Russell Blvd./College Park/Howard Way	Signal	City of Davis	A.M.	22	C	22	C
			P.M.	62	E	62	E
9. Russell Blvd./A St.	Signal	City of Davis	A.M.	28	C	29	C
			P.M.	58	E	58	E
10. Russell Blvd./Fifth St./B St.	Signal	City of Davis	A.M.	34	C	38	D
			P.M.	36	D	41	D
11. Sycamore Lane/Wake Forest Dr.	SSSC	City of Davis	A.M.	3 (20)	A (C)	4 (20)	A (C)
			P.M.	3 (20)	A (C)	3 (21)	A (C)
12. Sycamore Lane/West Eighth St.	AWSC	City of Davis	A.M.	10 (11)	A (B)	10 (11)	B (B)
			P.M.	9 (10)	A (A)	9 (10)	A (A)
13. Anderson Rd./West Eighth St.	Signal	City of Davis	A.M.	24	C	24	C
			P.M.	23	C	23	C
14. La Rue Rd./Hutchison Dr.	Signal	UC Davis	A.M.	23	C	23	C
			P.M.	54	D	54	D

Notes: For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side-street stop-controlled intersections, average intersection delay is reported in seconds per vehicle for all approaches with the delay and LOS for the worst-case movement reported in parentheses
Bold indicates locations that do not meet minimum LOS thresholds.
Source: Fehr & Peers, 2019.

Table 21: Maximum Queue Length Estimates – Cumulative Plus Project Conditions

Intersection	Movement	Available Storage	Cumulative No Project Maximum Vehicle Queue		Cumulative Plus Project Maximum Vehicle Queue	
			A.M Peak Hour	P.M Peak Hour	A.M Peak Hour	P.M Peak Hour
Russell Blvd./SR 113 SB Ramps	SB LT	1,500 feet	400 feet	250 feet	400 feet	250 feet
Russell Blvd/SR 113 NB Ramps	NB RT	1,100 feet	300 feet	475 feet	325 feet	425 feet
Russell Blvd./Sycamore Lane	EB LT	300 feet	**325 feet**	**350 feet**	**350 feet**	**375 feet**
	WB TH	750 feet	175 feet	400 feet	175 feet	450 feet
	SB LT	125 feet	**175 feet**	**175 feet**	**175 feet**	**175 feet**
	SB RT	125 feet	**250 feet**	**225 feet**	**275 feet**	**225 feet**
Russell Blvd./Anderson Rd./La Rue Rd.	EB LT	100 feet	**150 feet**	**150 feet**	**150 feet**	**150 feet**
	EB TH	750 feet	525 feet	550 feet	575 feet	650 feet
	WB LT	225 feet	225 feet	**325 feet**	**275 feet**	**325 feet**
	WB TH	1,600 feet	275 feet	475 feet	275 feet	475 feet
	NB LT	125 feet	100 feet	**225 feet**	100 feet	**225 feet**
	NB TH	975 feet	125 feet	150 feet	225 feet	175 feet
	NB RT	225 feet	**300 feet**	**975 feet**	**375 feet**	**975 feet**
	SB LT	150 feet	150 feet	150 feet	150 feet	150 feet
	SB TH	1,525 feet	375 feet	400 feet	425 feet	450 feet

Notes: Estimates derived from SimTraffic micro-simulation software.
Storage values measured from stop bar to adjacent upstream intersection.
All values rounded to the nearest 25 feet.
NB = northbound, SB = southbound, EB = eastbound, and WB = westbound.
LT = left-turn, RT = right-turn, and TH = through.
Bold text indicates queues that exceed available storage.

Source: Fehr & Peers, 2019.

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Intersection
Level of Service (LOS)

A-C D E F Driveway

Cumulative
Cumulative Plus Project

Note: Intersections 3, 6, and 11 are reporting worst movement delay.

Figure 15

Peak Hour Intersection Level of Service
Cumulative and Cumulative Plus Project Conditions

Bicycle Facilities

The potential impact to bicycle facilities was evaluated based on whether the project would physically disrupt an existing facility or interfere with the implementation of a planned facility. In addition, the project was evaluated to determine if it would otherwise decrease the performance or safety of bicycle facilities.

The project would not include any new or modified on- or off-site bicycle facilities.

Project bicycle travel was estimated based on bicycle counts and observations conducted at the existing University Mall and Sycamore Lane Apartments complex. The project would generate an estimated 170 new bicycle trips during both the a.m. and p.m. peak hours. The majority of project bicycle trips would travel between the project site and the UC Davis campus to the south, as well as east-west along the Russell Boulevard corridor (to local destinations such as Downtown Davis). The shared-use path on the south side of Russell Boulevard on the UC Davis campus would be heavily utilized by project bicycle trips. Most project bicycle demand would rely on the following movements and facilities to travel to/from the project site, also illustrated in Figure 16:

- Inbound
    - At the Russell Boulevard/Sycamore Lane intersection, travel from the 14-foot wide shared-use path (traveling westbound) on the south side of Russell Boulevard, across the 7-foot wide east leg crosswalk, into the project site or to the northbound Sycamore Lane bike lane.
    - At the Russell Boulevard/Anderson Road/La Rue Road intersection, travel from the 14-foot wide shared-use path (traveling westbound) on the south side of Russell Boulevard, across the 11-foot wide east leg and 7-foot wide north leg or 10-foot wide south leg and 10-foot wide west leg crosswalks (including the northbound channelized right-turn lane crosswalk), into the project site. Note that a receiving bicycle facility is not provided on the north side of Russell Boulevard along the project site frontage, so the movements described above would require use of the vehicle travel lane, the sidewalk, or the internal driveways at the ARCO gas station in order to access the project site.
    - At the Russell Boulevard/Anderson Road/La Rue Road intersection, travel from the 12-foot wide shared-use path (traveling northbound) on the west side of La Rue Road, across the 10-foot wide west leg crosswalk (including the eastbound channelized right-turn lane crosswalk), into the project site. Similar to the previous movement, a receiving bicycle facility is not provided on the north side of Russell Boulevard along the project site frontage, so the

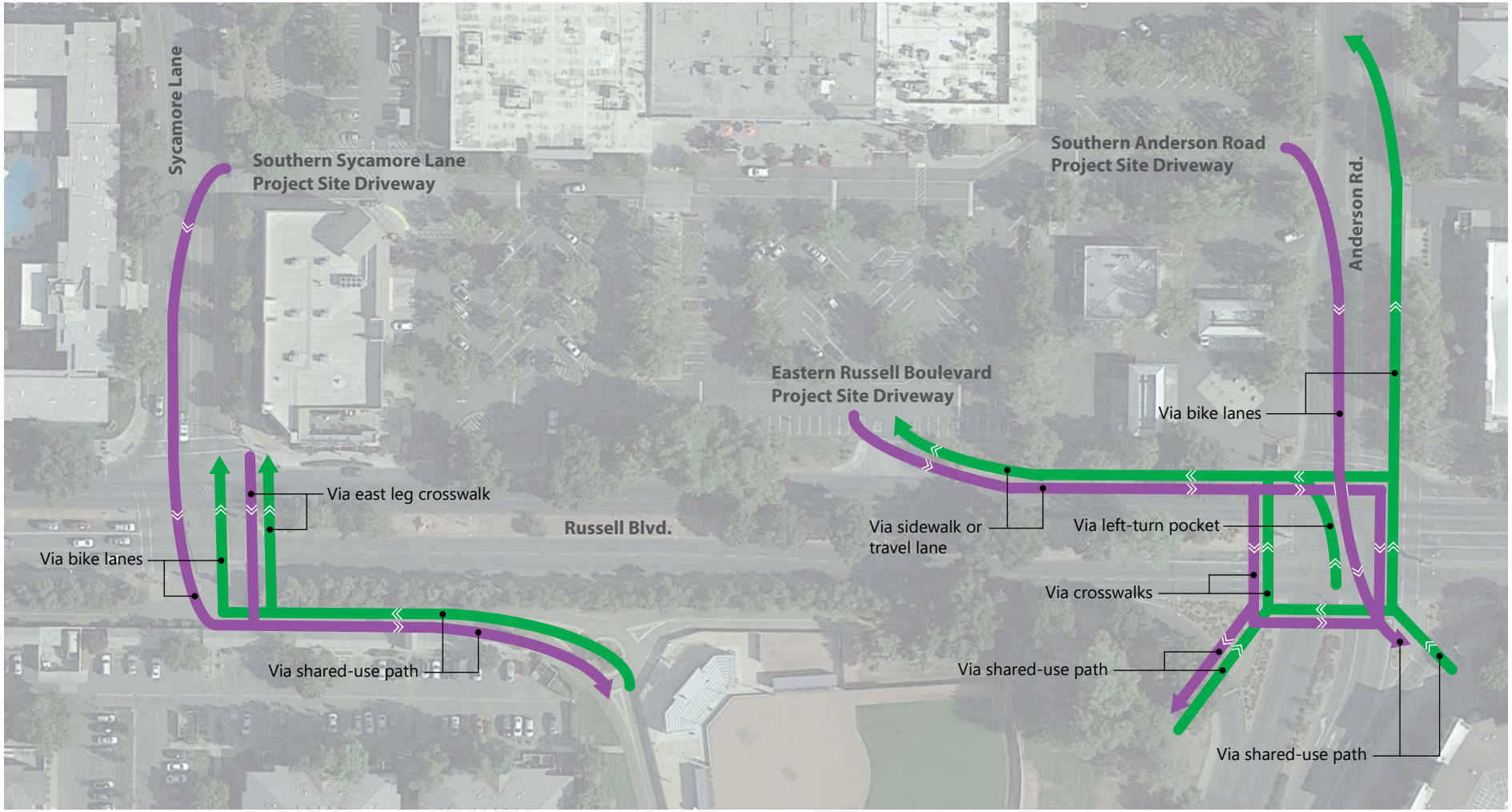
movement described above would require use of the vehicle travel lane, the sidewalk, or the internal driveways at the ARCO gas station in order to access the project site.

- From the northbound Anderson Road bike lane, weave across the northbound travel lane, turn left into the project site from the shared center left-turn lane (at the project's northernmost Anderson Road driveway).

- Outbound
  - At the Russell Boulevard/Sycamore Lane intersection, travel from the southbound bike lane to the 14-foot wide shared-use path (traveling eastbound) on the south side of Russell Boulevard.
  - At the Russell Boulevard/Sycamore Lane intersection, travel from the sidewalk at the northeast corner of the intersection, across the 7-foot wide east leg crosswalk, to the 14-foot wide shared-use path (traveling eastbound) on the south side of Russell Boulevard.
  - At the Russell Boulevard/Anderson Road/La Rue Road intersection, travel from the southbound left-turn bike lane to the 14-foot wide shared-use path (traveling eastbound) on the south side of Russell Boulevard, including a crossing of the northbound channelized right-turn lane crosswalk. This movement would also require bicyclists to enter the crossing staging area at the southeast corner of the intersection, which has a width of 8 feet and is frequently occupied by groups of staging bicyclists and pedestrians.
  - At the Russell Boulevard/Anderson Road/La Rue Road intersection, travel from the sidewalk at the northwest corner of the intersection, across the 10-foot wide west leg crosswalk (including the eastbound channelized right-turn lane crosswalk), to the 12-foot wide shared-use path (traveling southbound) on the west side of La Rue Road.

Figure 17 illustrates peak hour bicycle volumes at the Russell Boulevard/Sycamore Lane and Russell Boulevard/Anderson Road/La Rue Road intersection under Existing Plus Project conditions. At the Russell Boulevard/Sycamore Lane intersection, the project would increase total intersection bicycle volume by seven percent during both the a.m. and p.m. peak hours. At the Russell Boulevard/Anderson Road/La Rue Road intersection, the project would increase total intersection bicycle volume by 29 percent and 23 percent during the a.m. and p.m. peak hours, respectively.

While the project would not include the implementation of any planned bicycle facilities within its vicinity (e.g., the Russell Boulevard bike lanes), it would not interfere with their construction in the future.



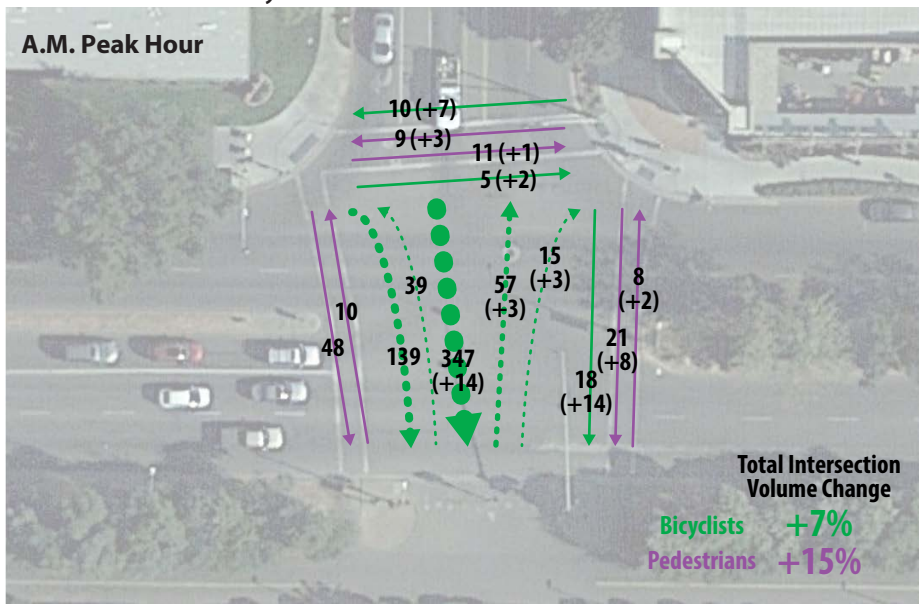
Primary Bicycle Patterns

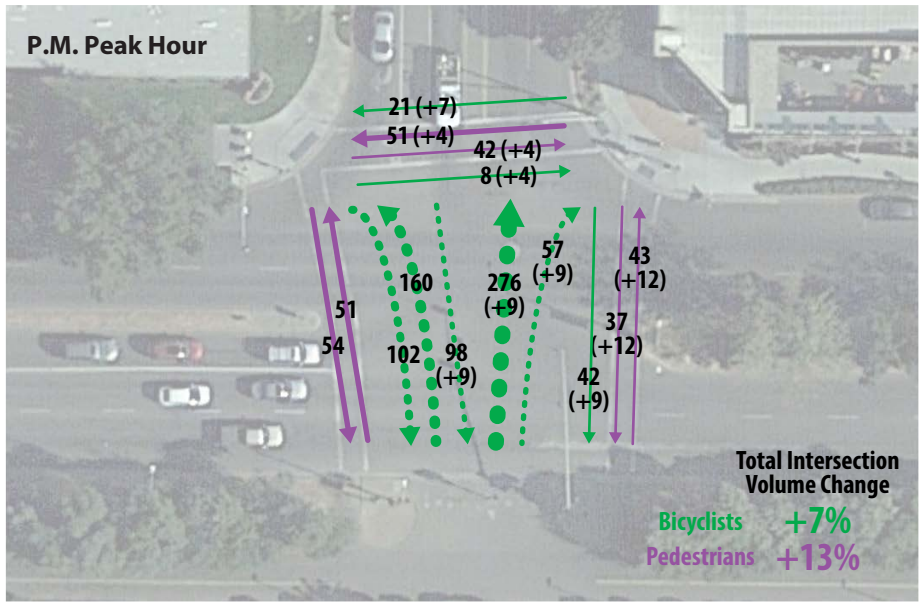
- Inbound
- Outbound

Figure 16

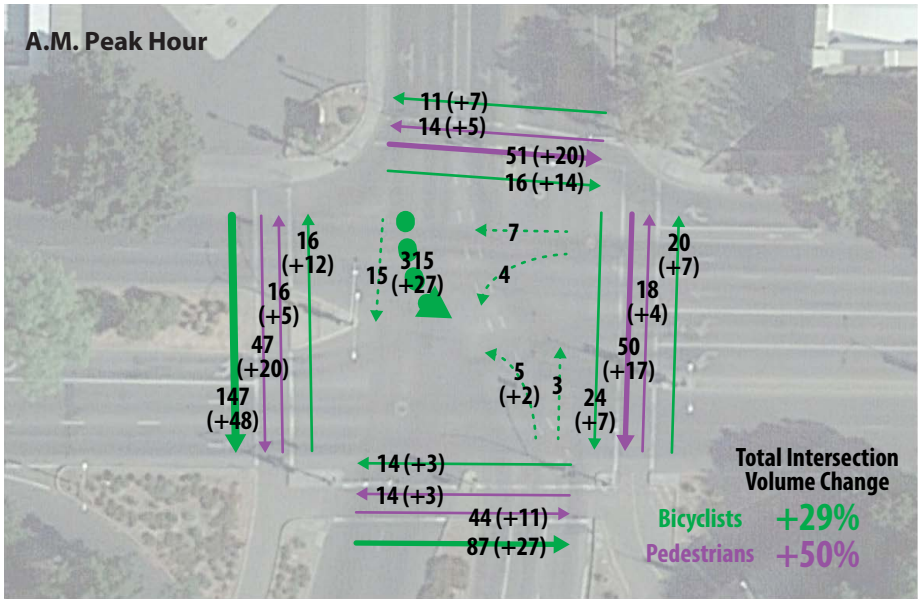
Primary Project Site Bicycle Access Patterns

Russell Boulevard/Sycamore Lane





Russell Boulevard/Anderson Road/La Rue Road



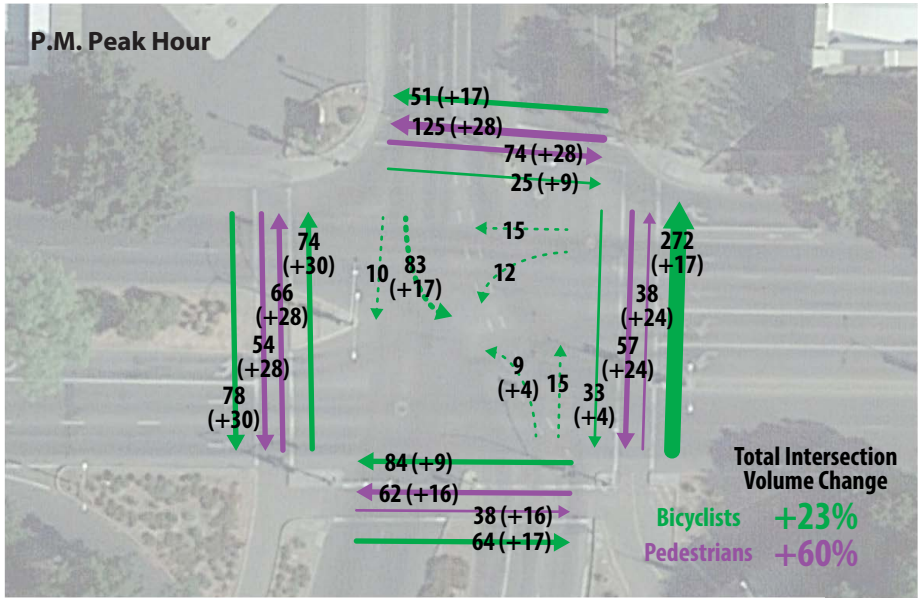


Figure 17

Bicycle Volume
Pedestrian Volume
Crosswalk Users

(##) Existing Plus Project Volume (Change from Existing Conditions)

Peak Hour Bicycle and Pedestrian Volumes - Existing Plus Project Conditions

Pedestrian Facilities

The potential impact to pedestrian facilities was evaluated based on whether the project would physically disrupt an existing facility or interfere with the implementation of a planned facility. In addition, the project was evaluated to determine if it would otherwise decrease the performance or safety of pedestrian facilities.

The project would include reconfigured on-site pedestrian facilities, including new sidewalks and crosswalks serving on-site structures and parking facilities. The project would not include any new or modified off-site pedestrian facilities.

Project pedestrian travel was estimated based on pedestrian counts and observations conducted at the existing University Mall and Sycamore Lane Apartments complex. The project would generate an estimated 70 a.m. peak hour and 160 p.m. peak hour new pedestrian trips. The majority of project pedestrian trips would travel between the project site and the UC Davis campus to the south, as well as east-west along the Russell Boulevard corridor.

Most project pedestrian demand would utilize the surrounding sidewalk and shared-use path facilities on Sycamore Lane, Anderson Road, and Russell Boulevard, as well as the crossing facilities provided at the Russell Boulevard/Sycamore Lane and Russell Boulevard/Anderson Road/La Rue Road intersections. Specific crossing facilities that would accommodate high levels of project pedestrian trips include the east leg crosswalk at the Russell Boulevard/Sycamore Lane intersection and all legs at the Russell Boulevard/Anderson Road/La Rue Road intersection (including the eastbound and northbound channelized right-turn lane crosswalks). Table 22 summarizes changes to peak hour pedestrian and bicycle volumes at these locations.

Figure 17 illustrates peak hour pedestrian volumes at the Russell Boulevard/Sycamore Lane and Russell Boulevard/Anderson Road/La Rue Road intersection under Existing Plus Project conditions. At the Russell Boulevard/Sycamore Lane intersection, the project would increase total intersection pedestrian volume by 15 percent and 13 percent during the a.m. and p.m. peak hours, respectively. At the Russell Boulevard/Anderson Road/La Rue Road intersection, the project would increase total intersection pedestrian volume by 50 percent and 60 percent during the a.m. and p.m. peak hours, respectively.

Existing planning documents do not identify any planned pedestrian facilities within the project vicinity. Therefore, the project would not interfere with the future implementation of any planned pedestrian facilities.

Table 22: Pedestrian and Bicycle Crossing Summary – Existing Plus Project Conditions

Intersection	Crossing	Crosswalk Width (feet)	Peak Hour Volume (Two-Way Total)					
			Existing Conditions		Existing Plus Project Conditions		Change Existing to Existing Plus Project Conditions	
			A.M. Peak Hour	P.M. Peak Hour	A.M. Peak Hour	P.M. Peak Hour	A.M. Peak Hour	P.M. Peak Hour
Pedestrian Volumes								
Russell Blvd./ Sycamore Lane	North Leg	10	15	85	20	93	+5 (+33%)	+8 (+9%)
	East Leg	7	19	56	29	80	+10 (+53%)	+24 (+43%)
	West Leg	7	58	105	58	105	--	--
Russell Blvd./Anderson Rd./ La Rue Rd.	North Leg	7	40	143	65	199	+25 (+63%)	+56 (+39%)
	South Leg	10	44	68	58	100	+14 (+32%)	+32 (+47%)
	East Leg	11	47	47	68	95	+21 (+45%)	+48 (+102%)
	West Leg	10	38	64	63	120	+25 (+66%)	+56 (+88%)
Bicycle Volumes								
Russell Blvd./ Sycamore Lane	North Leg	10	6	18	15	29	+9 (+150%)	+11 (+61%)
	East Leg	7	4	33	18	42	+14 (+350%)	+9 (+27%)
	West Leg	7	0	0	0	0	--	--
Russell Blvd./Anderson Rd./ La Rue Rd.	North Leg	7	6	50	27	76	+21 (+350%)	+26 (+52%)
	South Leg	10	71	122	101	148	+30 (+42%)	+26 (+21%)
	East Leg	11	30	284	44	305	+14 (+47%)	+21 (+7%)
	West Leg	10	103	92	163	152	+60 (+58%)	+60 (+65%)
Pedestrian + Bicycle Volumes								
Russell Blvd./ Sycamore Lane	North Leg	10	21	103	35	122	+14 (+67%)	+19 (+18%)
	East Leg	7	23	89	47	122	+24 (+104%)	+33 (+37%)
	West Leg	7	58	105	58	105	--	--
Russell Blvd./Anderson Rd./ La Rue Rd.	North Leg	7	46	193	92	275	+46 (+100%)	+82 (+42%)
	South Leg	10	115	190	159	248	+44 (+38%)	+58 (+31%)
	East Leg	11	77	331	112	400	+35 (+45%)	+69 (+21%)
	West Leg	10	141	156	226	272	+85 (+60%)	+116 (+74%)

Source: Fehr & Peers, 2019.

Transit Service and Facilities

The potential impact to transit service or facilities was evaluated based on whether the project would physically disrupt an existing service/facility or interfere with the implementation of a planned service/facility. In addition, the project was evaluated to determine if it would otherwise decrease the performance or safety of transit service/facilities.

The project would not include any new or modified on- or off-site transit service or facilities.

Project transit travel was estimated based on transit passenger counts and observations conducted at the existing University Mall and Sycamore Lane Apartments complex. The project would generate an estimated 50 a.m. peak hour and 30 p.m. peak hour new transit passenger trips. The majority of project transit passenger trips would travel on existing Unitrans service between the project site and the UC Davis campus to the south.

Most outbound passengers (boarding the bus) would utilize the southbound bus stop on Anderson Road located on the eastern project site boundary, as well as the southbound bus stop on Sycamore Lane north of Russell Boulevard (across Sycamore Lane from the project site). Most inbound passengers (getting off the bus) would utilize the northbound bus stops on Anderson Road and Sycamore Lane north of Russell Boulevard. Inbound passengers getting off at the Sycamore Lane bus stop would access the project site immediately from the bus stop, while those using the Anderson Road bus stop would be required to cross the north leg crosswalk at the Russell Boulevard/Anderson Road/La Rue Road intersection before accessing the project site.

Existing planning documents do not identify any planned transit service or facilities within the project vicinity. Therefore, the project would not interfere with the future implementation of any planned transit service or facilities.

Vehicle Miles Traveled (VMT)

The potential impact to VMT was evaluated by comparing the estimated VMT per capita that would be generated by the project to the local and regional VMT per capita averages. Project-generated, local, and regional VMT estimates were derived from the process previously described in the "Analysis Methodology" section. Given the mixed-use nature of the project, VMT per capita figures are expressed in terms of service population (i.e., residents plus employees).

Table 23 presents the results of the VMT analysis. The project would generate an estimated 16.2 VMT per capita under existing conditions and 16.4 VMT per capita under cumulative conditions, which are lower than each of the local and regional VMT per capita averages under both scenarios. Compared to no

project conditions, the project would increase total VMT generated by the project site, but decrease the overall VMT per capita generated by the project site. Factors that contribute to this result include the project's proximity to UC Davis, the complementary on-site retail and residential land uses, and the availability of nearby high-quality bicycle facilities and transit services.

Table 23: Weekday VMT per Capita Analysis Summary

Analysis Scenario	Metric	Project Site VMT per Capita			City of Davis VMT per Capita	City of Davis & UC Davis VMT per Capita[2]	SACOG Region VMT per Capita
		No Project	Plus Project	Project-Generated[1]			
Existing Conditions	Total VMT	40,275	45,540	16,495	3,002,103	3,811,683	73,397,949
	Residents	0	894	894	68,243	76,914	2,051,914
	Employees	230	355	125	13,346	24,728	875,701
	Capita[3]	230	1,249	1,019	81,589	101,642	2,927,615
	Total VMT per Capita	**175.1**	**45.5**	**16.2**	**36.8**	**37.5**	**25.1**
Cumulative Conditions	Total VMT	45,540	62,250	16,710	3,969,395	4,986,251	96,131,317
	Residents	0	894	894	77,993	95,255	2,823,598
	Employees	230	355	125	24,780	39,137	1,322,077
	Capita[3]	230	1,249	1,019	102,773	134,392	4,145,675
	Total VMT per Capita	**198.0**	**49.8**	**16.4**	**38.6**	**37.1**	**23.2**

Note: [1] Project residents estimated based on the proposed number of beds that would comprise the residential component of the project, at one resident per bed. The proposed project does not include a description of the existing and planned number of employees on-site. Therefore, the project employment figure is estimated according to the typical amount of retail space occupied per employee, or 275 square feet.
[2] Includes both City of Davis residents and employees and UC Davis on-campus residents and employees
[3] For the purposes of this analysis, "capita" represents service population (i.e., residents plus employees).
Source: Fehr & Peers, 2019.

Project Impacts and Mitigation Measures

Impact 1: Impacts to roadway operations.

Implementation of the proposed project would generate new peak hour vehicle trips, which would increase delay at study intersections. However, all study intersections would operate acceptably under Existing Plus Project conditions. This impact would therefore be **less than significant**.

The project would increase a.m. and p.m. peak hour vehicle traffic at local intersections throughout the study area under Existing Plus Project conditions. As shown in Table 18, the project would cause minor increases in intersection delay, however, all study intersections would operate within acceptable LOS thresholds. Therefore, this would constitute a less-than-significant impact.

Mitigation Measures

None required.

Impact 2: Impacts to bicycle facilities.

Implementation of the proposed project would increase bicycle, pedestrian, and vehicle trips within the vicinity of the project site, which could generate bicycle volumes that physically disrupt the use of existing facilities, increase the competition for physical space between modes, and increase the potential for conflicts involving bicyclists. This impact would therefore be **significant**.

As previously described, the project would generate an estimated 170 new bicycle trips during both the a.m. and p.m. peak hours. Project bicycle trips would utilize nearby existing bicycle facilities, particularly the bike lanes on Sycamore Lane and Anderson Road, the shared-use paths on the south side of Russell Boulevard and the west side of La Rue Road, and crossing facilities at the Russell Boulevard/Sycamore Lane and Russell Boulevard/Anderson Road/La Rue Road intersections. As documented in the Environmental Setting section, these facilities currently experience very high levels of peak hour bicycle and pedestrian volumes, which, when combined with the dimensions of path and crossing facilities (e.g., the south leg crosswalk at the Russell Boulevard/Anderson Road/La Rue Road intersection) can degrade the performance of the facilities for both bicyclists and pedestrians.

Additional bicycle trips generated by the project, together with increased vehicle and pedestrian trips, could exacerbate crowding on existing bicycle facilities and in shared right-of-way environments, particularly during the peak travel periods such as the morning and evening commutes to/from the UC Davis campus (see Table 22). Worsened crowding could result in the increased competition for physical space between the modes, which in turn could increase the potential for conflicts, including those

involving bicyclists, and degrade the performance of bicycle facilities. These conditions would exist at the following locations (see Figure 18):

- The Russell Boulevard/Sycamore Lane intersection, at the southbound approach bike lane and upstream bicycle-vehicle mixing zone (bicycle-vehicle conflicts).
- The Russell Boulevard/Anderson Road/La Rue Road intersection, at the southbound approach left-turn bike lane and upstream bicycle-vehicle mixing zone (bicycle-vehicle conflicts), the crosswalks on all legs (bicycle-bicycle and bicycle-pedestrian conflicts), the crosswalks at the eastbound and northbound channelized right-turn lanes (bicycle-vehicle conflicts), and the bicycle and pedestrian crossing staging areas at all corners of the intersection (bicycle-bicycle and bicycle-pedestrian conflicts).
- The shared-use path on the south side of Russell Boulevard on the UC Davis campus on the segments between Sycamore Lane and the UC Davis softball field and between Anderson Road and the bicycle roundabout near Primero Grove (bicycle-bicycle and bicycle-pedestrian conflicts).

As previously described, under existing conditions, southbound vehicle queues at the Russell Boulevard/Sycamore Lane and Russell Boulevard/Anderson Road/La Rue Road intersection frequently block the bicycle-vehicle mixing zones for the southbound bike lanes. With the addition of project bicycle trips, a greater number of bicyclists would be exposed to the bicycle-vehicle conflicts that emerge at these locations.

Moreover, one of the dominant inbound bicycle movements from the UC Davis campus into the project site – the north to west movement from the southeast to the northwest corner of the Russell Boulevard/Anderson Road/La Rue Road intersection – would not be accommodated within a formal bicycle facility at the northwest corner of the intersection. The lack of a receiving bicycle facility would require project bicycle trips to utilize the westbound vehicle travel lane, the sidewalk, or the internal driveways at the ARCO gas station in order to access the project site via the Russell Boulevard/Anderson Road/La Rue Road intersection, increasing the potential for bicycle-vehicle or bicycle-pedestrian conflicts.

The history of collisions involving bicyclists recorded at the Russell Boulevard/Sycamore Lane and Russell Boulevard/Anderson Road/La Rue Road intersections and on Sycamore Lane and Anderson Road north of Russell Boulevard underscores the conflict potential at the locations described above based on the high bicycle volumes and existing roadway and intersection configurations.

The project would not interfere with the implementation of planned bicycle facilities identified in the City of Davis General Plan or the Beyond Platinum Bicycle Action Plan. These include the following planned facilities identified in Appendix C of the Beyond Platinum Bicycle Action Plan:

- Buffered bike lanes on Anderson Road and Sycamore Lane north of Russell Boulevard
- Bike lanes on Russell Boulevard between SR 113 and A Street
- Bicycle/pedestrian crossing markings at the Russell Boulevard/Anderson Road/La Rue Road intersection
- Bike lane conflict markings (green) at the Russell Boulevard/Anderson Road/La Rue Road and Russell Boulevard/Sycamore Lane intersections

The project also would not interfere with planned regional bicycle projects identified in the SACOG MTP/SCS.

However, altogether, these factors would constitute a significant impact to bicycle facilities.

Mitigation Measure 2.1. Improve the southbound bike lane approach at the Russell Boulevard/Sycamore Lane intersection.

Prior to occupancy of the project, the project applicant shall implement modifications to improve the southbound bike lane approach at the Russell Boulevard/Sycamore Lane intersection to reduce the potential for bicycle-vehicle conflicts. Improvements shall either physically separate bicyclists and vehicles, or more clearly demarcate the existing bicycle-vehicle mixing zone if the City is unable to physically separate bicyclists and vehicles. Potential improvement alternatives include (but are not limited to):

1) Switch the placement of the southbound right-turn lane and the bike lane. Consistent with CAMUTCD standards (for a bicycle facility adjacent to a right-turn lane), this configuration would place a Class IV separated bikeway immediately against the curb, enabling bicyclists to queue against the curb prior to crossing during the exclusive bicycle crossing signal phase (during which southbound right-turns for vehicles are prohibited). This configuration would eliminate the need for southbound bicyclists to weave across vehicular traffic at the intersection approach. This configuration shall include vertical separation between the bikeway and the right-turn lane, consistent with standard Class IV separated bikeway design.
2) Highlight the existing bicycle-vehicle mixing zone with additional pavement markings (e.g., green skip pavement markings) and warning signage.

Implementation of either alternative 1 or 2, or an improvement of equal effectiveness, would enhance the southbound bike lane approach at the Russell Boulevard/Sycamore Lane intersection and reduce the potential for conflicts between bicyclists and vehicles. These improvements would

be consistent with the planned bike lane conflict markings at the Russell Boulevard/Sycamore Lane intersection identified in the Beyond Platinum Bicycle Action Plan.

Mitigation Measure 2.2. Improve the southbound bike lane approach at the Russell Boulevard/Anderson Road/La Rue Road intersection.

Prior to occupancy of the project, the project applicant shall implement modifications to improve the southbound bike lane approach at the Russell Boulevard/Anderson Road/La Rue Road intersection to reduce the potential for bicycle-vehicle conflicts. Improvements shall more clearly demarcate the existing bicycle-vehicle mixing zone. Potential improvement alternatives include highlighting the existing bicycle-vehicle mixing zone with additional pavement markings (e.g., green skip pavement markings) and warning signage. Implementation of these improvements, or an improvement of equal effectiveness, would enhance the southbound bike lane approach at the Russell Boulevard/Anderson Road/La Rue Road intersection and reduce the potential for conflicts between bicyclists and vehicles. These improvements would be consistent with the planned bike lane conflict markings at the Russell Boulevard/Anderson Road/La Rue Road intersection identified in the Beyond Platinum Bicycle Action Plan.

Mitigation Measure 2.3. Construct a shared-use path on the Russell Boulevard project site frontage.

Prior to occupancy of the project, the project applicant shall construct a shared-use path on the north side of Russell Boulevard between Sycamore Lane and Anderson Road along the project site frontage, generally along the alignment of the existing sidewalk. The path may need to protrude into the existing roadway (i.e., into the parking lane) due to right-of-way constraints such as existing trees and driveways (e.g., along the ARCO gas station frontage). The new shared-use path should be sufficiently sized to prevent crowding and minimize the potential for conflicts between bicyclists and pedestrians. The City of Davis *2016 Street Design Standards* specifies a shared-use path width of 12 feet for arterial roadways, with two-foot wide all-weather shoulders on either side of the path. The City may determine that a narrower path is acceptable in instances where right-of-way constraints would limit the ability to implement the standard path width.

Construction of the shared-use path, or an improvement of equal effectiveness, would enhance bicycle access between the project site and the Russell Boulevard/Anderson Road/La Rue Road intersection and reduce the potential for bicycle-vehicle and bicycle-pedestrian conflicts.

Mitigation Measure 2.4. Improve crossings at the Russell Boulevard/Anderson Road/La Rue Road intersection.

The City shall implement modifications to improve crossings at the Russell Boulevard/Anderson Road/La Rue Road intersection to reduce the potential for bicycle-bicycle, bicycle-pedestrian, and bicycle-vehicle conflicts. Since intersection modifications would affect right-of-way on the UC Davis campus, the City will need to coordinate with UC Davis to identify the ultimate modifications. Improvements shall, to the extent feasible, physically separate bicyclists, pedestrians, and vehicles and reduce bicycle crossing distances and exposure time. Potential improvement alternatives include (but are not limited to):

1) For all intersection crosswalks, widen crosswalks to increase the capacity for crossing bicyclists and pedestrians and reduce the frequency of meeting and passing events that diminish the performance of the crosswalks.
2) Reconfigure the intersection into a protected intersection with corner refuge islands, setback crossings, and exclusive bicycle and pedestrian crossing phases (i.e., vehicles would not be permitted to turn on red during this phase). For all intersection crosswalks, physically separate bicyclists and pedestrians by installing special pavement treatment or striping to clearly demarcate pedestrian and bicycle crossing zones, increase the capacity for crossing bicyclists and pedestrians, and reduce the frequency of meeting and passing events that diminish the performance of the crossings. This alternative would also include the removal of the eastbound and northbound channelized right-turn lanes.

Implementation of either alternative 1 or 2, or a set of improvements of equal effectiveness, would improve bicycle crossings at the Russell Boulevard/Anderson Road/La Rue Road intersection by reducing the potential for bicycle-bicycle, bicycle-pedestrian, and bicycle-vehicle conflicts. These improvements would be consistent with the planned bicycle/pedestrian crossing markings at the Russell Boulevard/Anderson Road/La Rue Road intersection identified in the Beyond Platinum Bicycle Action Plan.

By reconfiguring the channelized right-turn lanes and modifying signal timing, alternative 2 would alter the intersection in a manner that would reduce capacity for vehicle demand. The resulting p.m. peak hour intersection operations would degrade from LOS D (under Existing Plus Project conditions) to LOS E. Therefore, alternative 2 would maintain acceptable operations at this intersection after mitigation under Existing Plus Project conditions.

Two current City-led corridor planning efforts will identify future complete streets modifications at this intersection and the adjoining Anderson Road and Russell Boulevard corridors (the on-going

Anderson Road Streetscape Improvement Project and the soon-to-begin Russell Boulevard Corridor Plan). Therefore, the ultimate improvements constructed at this intersection should be consistent with the preferred intersection configuration identified in these plans.

Prior to the occupancy of the project, the project applicant shall contribute fair share funding to cover their proportionate cost of improvements to the Russell Boulevard/Anderson Road/La Rue Road intersection. The fair share funding shall be submitted to the City of Davis. Given the multi-modal nature of the intersection and future improvements, fair share calculations should consider all modes of transportation utilizing the intersection.

Mitigation Measure 2.5. Improve the Russell Boulevard shared-use path between Sycamore Lane and the UC Davis softball field.

Prior to the occupancy of the project, the project applicant shall contribute fair share funding to cover their proportionate cost of improvements to the shared-use path on the south side of Russell Boulevard between Sycamore Lane and the UC Davis softball field. The fair share funding shall be submitted to UC Davis.

Path improvements should reduce the potential for bicycle-bicycle and bicycle-pedestrian conflicts. Potential improvement alternatives include (but are not limited to):

1) Widen the existing shared-use path to accommodate bicyclists and pedestrians within a shared facility. Consider installing special pavement treatment or striping to clearly demarcate pedestrian and bicycle zones.
2) Physically separate bicyclists and pedestrians by constructing a new pedestrian pathway parallel to the existing shared-use path.
3) Install pedestrian-scale lighting to improve visibility.

Implementation of any one of alternatives 1 through 3, would enhance the Russell Boulevard shared-use path between Sycamore Lane and the UC Davis softball field. New shared-use paths should be sufficiently sized to prevent crowding and minimize the potential for conflicts between bicyclists and pedestrians.

Mitigation Measure 2.6. Improve the Russell Boulevard shared-use path between Anderson Road and the bicycle roundabout near Primo Grove.

Prior to the occupancy of the project, the project applicant shall contribute fair share funding to cover their proportionate cost of improvements to the shared-use path on the south side of Russell Boulevard between Anderson Road and the bicycle roundabout near Primero Grove. The fair share funding shall be submitted to UC Davis.

Path improvements should reduce the potential for bicycle-bicycle and bicycle-pedestrian conflicts. Potential improvement alternatives include (but are not limited to):

1) Widen the existing shared-use path to accommodate bicyclists and pedestrians within a shared facility. Consider installing special pavement treatment or striping to clearly demarcate pedestrian and bicycle zones.
2) Physically separate bicyclists and pedestrians by constructing a new pedestrian pathway parallel to the existing shared-use path.
3) Install pedestrian-scale lighting to improve visibility.

Implementation of any one of alternatives 1 through 3, would enhance the Russell Boulevard shared-use path between Anderson Road and the bicycle roundabout near Primo Grove. New shared-use paths should be sufficiently sized to prevent crowding and minimize the potential for conflicts between bicyclists and pedestrians.

Significance after Mitigation

Implementation of Mitigation Measures 2.1, 2.2, and 2.3 would reduce potential significant impacts associated with bicycle facilities to a less-than-significant level by supporting bicycling to and from the project site and minimizing conflicts between bicycles and other travel modes.

Implementation of Mitigation Measures 2.4, 2.5, and 2.6 would reduce potential significant impacts associated with bicycle facilities to a less-than-significant level by supporting bicycling to and from the project site and minimizing conflicts between bicycles and other travel modes. However, elements of each mitigation measure would occur within UC Davis right-of-way and would be subject to final approval and actions by UC Davis. Moreover, since the remaining fair share contributions needed for the construction of these mitigation measures have not been identified by the City of Davis or UC Davis, fair share payment by the project applicant would not ensure construction. Finally, the ultimate improvements at these locations are subject to change pending the outcome of the on-going Russell Boulevard Corridor Plan process. Therefore, the implementation of these mitigation measures cannot be guaranteed.

As noted above, due to uncertainties regarding the ability for the aforementioned mitigation measures to reduce impacts to bicycle facilities, bicycle facility impacts on the Russell Boulevard shared-use path and at the Russell Boulevard/Anderson Road/La Rue Road intersection would be considered **significant and unavoidable**.

Impact 3: Impacts to pedestrian facilities.

Implementation of the proposed project would increase pedestrian, bicycle, and vehicle trips within the vicinity of the project site, which could generate pedestrian volumes that physically disrupt the use of existing facilities, increase the competition for physical space between modes, and increase the potential for conflicts involving pedestrians. This impact would therefore be **significant**.

As previously described, the project would generate an estimated 70 a.m. peak hour and 160 p.m. peak hour new pedestrian trips. Project pedestrian trips would utilize nearby existing pedestrian facilities, particularly sidewalks and paths on Sycamore Lane, Anderson Road, Russell Boulevard, and La Rue Road, and crossing facilities at the Russell Boulevard/Sycamore Lane and Russell Boulevard/Anderson Road/La Rue Road intersections. As documented in the Environmental Setting section, these facilities currently experience very high levels of peak hour bicycle and pedestrian volumes, which, when combined with the dimensions of path and crossing facilities can degrade the performance of the facilities for both bicyclists and pedestrians.

Additional pedestrian trips generated by the project, together with increased vehicle and pedestrian trips, could exacerbate crowding on existing pedestrian facilities and in shared right-of-way environments, particularly during the peak travel periods such as the morning and evening commutes to/from the UC Davis campus (see Table 22). Worsened crowding could result in the increased competition for physical space between the modes, which in turn could increase the potential for conflicts, including those involving pedestrians, and degrade the performance of pedestrian facilities. These conditions would exist at the following locations (see Figure 18):

- The Russell Boulevard/Anderson Road/La Rue Road intersection, at the crosswalks on all legs (bicycle-pedestrian conflicts), the crosswalks at the eastbound and northbound channelized right-turn lanes (pedestrian-vehicle conflicts), and the bicycle and pedestrian crossing staging areas at all corners of the intersection (bicycle-pedestrian conflicts).
- The shared-use path on the south side of Russell Boulevard on the UC Davis campus on the segments between Sycamore Lane and the UC Davis softball field and between Anderson Road and the bicycle roundabout near Primero Grove (bicycle-pedestrian conflicts).

The project would not interfere with the implementation of planned pedestrian facilities identified in the City of Davis General Plan.

However, altogether, these factors would constitute a significant impact to pedestrian facilities.

Mitigation Measure 3.1. Improve crossings at the Russell Boulevard/Anderson Road/La Rue Road intersection.

Implement Mitigation Measure 2.4 (Improve crossings at the Russell Boulevard/Anderson Road/La Rue Road intersection).

Mitigation Measure 3.2. Improve the Russell Boulevard shared-use path between Sycamore Lane and the UC Davis softball field.

Implement Mitigation Measure 2.5 (Improve the Russell Boulevard shared-use path between Sycamore Lane and the UC Davis softball field).

Mitigation Measure 3.3. Improve the Russell Boulevard shared-use path between Anderson Road and the bicycle roundabout near Primo Grove.

Implement Mitigation Measure 2.6 (Improve the Russell Boulevard shared-use path between Anderson Road and the bicycle roundabout near Primo Grove).

Significance after Mitigation

Implementation of Mitigation Measures 3.1, 3.2, and 3.3 would reduce potential significant impacts associated with pedestrian facilities to a less-than-significant level by supporting walking to and from the project site and minimizing conflicts between pedestrians and other travel modes. However, since the remaining fair share contributions needed for the construction of these mitigation measures have not been identified by the City of Davis or UC Davis, fair share payment by the project applicant would not ensure construction. Moreover, elements of Mitigation Measures 3.1, 3.2, and 3.3 would occur within UC Davis right-of-way and would be subject to final approval and actions by UC Davis. Finally, the ultimate improvements at these locations are subject to change pending the outcome of the on-going Russell Boulevard Corridor Plan process. Therefore, the implementation of these mitigation measures cannot be guaranteed.

Due to uncertainties regarding the ability for the aforementioned mitigation measures to reduce impacts to pedestrian facilities, pedestrian facility impacts on the Russell Boulevard shared-use path and at the Russell Boulevard/Anderson Road/La Rue Road intersection would be **significant and unavoidable**.

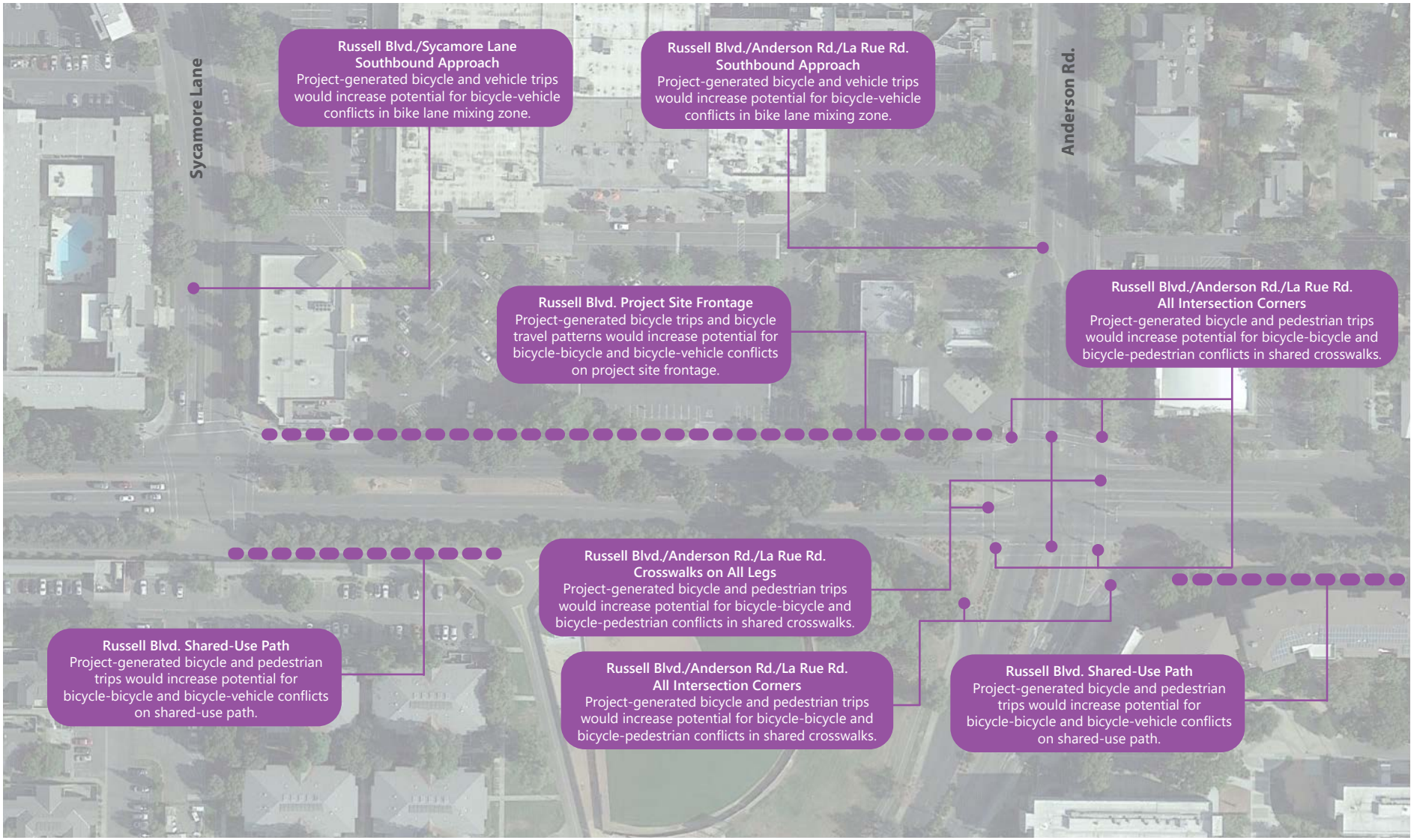


Figure 18

Bicycle and Pedestrian Impact Summary

Impact 4: Impacts to transit service and facilities.

Implementation of the proposed project would increase the number of passengers utilizing transit service and facilities. New transit passenger demand would be accommodated by existing bus routes, however, new transit passenger demand would diminish the quality and performance of existing transit facilities. This impact would therefore be **significant**.

As previously described, the project would generate an estimated 50 a.m. peak hour and 30 p.m. peak hour new transit passenger trips. Project-generated transit passenger trips would be accommodated by the existing bus routes that serve the study area, particularly Unitrans service operating between the project site and the UC Davis campus.

Inbound transit passengers would utilize the existing northbound bus stops on Sycamore Lane and Anderson Road north of Russell Boulevard. Given the modest levels of estimated peak hour inbound (i.e., deboarding) project-generated passenger demand, the project would not substantially alter transit operations at either of these bus stops compared to existing conditions.

Outbound transit passengers would utilize the existing southbound bus stops on Sycamore Lane and Anderson Road north of Russell Boulevard. Outbound bus stops would experience an increase in utilization due to project-generated passengers dwelling while waiting to board a bus.

The existing southbound bus stop on Anderson Road, which is located immediately adjacent to the eastern boundary of the project site, would experience the greatest increase in dwelling passengers due to its ease of access from project site uses and route directness south into the UC Davis campus. The bus stop is currently outfitted with a bus stop sign, but lacks a shelter, seating, or dedicated passenger waiting area. This condition results in dwelling passengers waiting in the sidewalk or in the adjacent landscaped area. The addition of project-generated transit passenger demand would exacerbate this condition, which could lead to more substantial blocking of the sidewalk by dwelling passengers, as well as dwelling passengers physically blocking passengers who wish to deboard buses as they arrive at the stop. This condition would be detrimental to transit access and operations.

The existing southbound bus stop on Sycamore Lane is outfitted with a shelter and a designated passenger waiting area adjacent to the sidewalk. Compared to the southbound bus stop on Anderson Road, this bus stop is less convenient to access from the project site (requires an illegal midblock crossing of Sycamore Lane, or a circuitous walking path via the Russell Boulevard/Sycamore Lane intersection north leg crosswalk) and requires a longer bus trip into the UC Davis core campus. Therefore, this bus stop would experience a modest increase in peak hour utilization from outbound (i.e., boarding) project-

generated passenger demand. Given these factors, the project would not substantially alter transit operations at this bus stop compared to existing conditions.

The project would not interfere with the implementation of planned transit service or facilities identified in the City of Davis General Plan or the Unitrans Short Range Transit Plan. It also would not interfere with planned regional transit projects identified in the SACOG MTP/SCS.

However, altogether, these factors would constitute a significant impact to transit service and facilities.

Mitigation Measure 4.1. Improve the existing bus stop on southbound Anderson Road north of Russell Boulevard.

Prior to occupancy of the project, the project applicant shall enhance the existing bus stop on southbound Anderson Road north of Russell Boulevard. Bus stop enhancements should include the addition of a shelter, seating, waste receptacle, as well as an expanded dedicated passenger waiting area that can sufficiently accommodate dwelling passenger without impeding the adjacent sidewalk. Bus stop enhancements should be developed in consultation with Unitrans staff.

Significance after Mitigation

Implementation of Mitigation Measure 4.1 would reduce potential significant impacts associated with transit service and facilities to a **less-than-significant** level by accommodating project-generated transit passenger demand without resulting in detrimental effects to transit access or operations.

Impact 5: Impacts to vehicle miles traveled (VMT).

Implementation of the proposed project would result in project-generated VMT per capita measuring below the local and regional per capita averages. This impact would therefore be **less than significant**.

As shown in Table 23, the project would generate an estimated 16.2 VMT per capita, which is lower than each of the local and regional VMT per capita averages under existing conditions. Factors that contribute to this result include the project's proximity to UC Davis, the complementary on-site retail and residential land uses, and the availability of nearby high-quality bicycle facilities and transit services. Since the project-generated VMT would not exceed local or regional VMT per capita averages, this would constitute a less-than-significant impact.

Mitigation Measures

None required.

Impact 6: Impacts to emergency vehicle access.

Implementation of the proposed project would not impede emergency vehicle access. This impact would therefore be **less than significant**.

The existing University Mall site consists of two vehicular accesses on Sycamore Lane (both full access), three vehicular accesses on Anderson Road (two full access, one right-in/right-out only), and two vehicular accesses on Russell Boulevard (no full access, both right-in/right-out only). The proposed project would eliminate one of the full access driveways on Anderson Road, but would not materially alter the remaining vehicular access points. Altogether, these connections would provide multiple opportunities and routes for emergency vehicles to access the site.

Emergency vehicle access to the project site would not materially change from existing conditions. Fire access from the Downtown Davis fire station (located one mile east of the project site) would be available via westbound Russell Boulevard, or southbound Anderson Road if Russell Boulevard is otherwise blocked or inoperable. Fire access from the West Davis fire station (located one and three-quarters mile northwest of the project site) would be available via eastbound Russell Boulevard, or southbound Sycamore Lane if Russell Boulevard is otherwise blocked or inoperable. Medical emergency service access from Sutter Davis Hospital (located two miles northwest of the project site) would be available from northbound Sycamore Lane (via SR 113) and southbound Sycamore Lane (via Covell Boulevard).

Therefore, with multiple emergency vehicle access opportunities and routes, this is considered a less-than-significant impact.

Mitigation Measures

None required.

Impact 7: Construction-related impacts.

Implementation of the proposed project would result in construction activities that would disrupt the surrounding multi-modal transportation system. This impact would therefore be **significant**.

Construction of the project, including site preparation, construction, and delivery activities, would generate employee trips and a variety of construction-related vehicles. The volume of construction-related traffic would not be expected to exceed the project's a.m. and p.m. peak hour vehicle trip generation. As such, construction traffic would not cause unacceptable operating conditions at study intersections.

However, project construction activities could disrupt vehicle, pedestrian, bicycle, and emergency vehicle access to and from on-site and adjacent uses active during construction, particularly Trader Joe's and the ARCO gas station. Moreover, project construction activities could disrupt pedestrian, bicycle, and transit stop access on highly-utilized facilities on the east side of Sycamore Lane and the west side of Anderson Road. As such, construction vehicle staging, construction vehicle ingress/egress, and any potential temporary street, sidewalk, bikeway, or transit stop closures related to project construction could block or impede access for adjacent users. Therefore, construction activities generated by the project would cause a significant impact to the surrounding transportation system.

Mitigation Measure 7.1. Prepare a Construction Traffic Control Plan.

Before commencement of any construction activities for the project site, the project applicant shall prepare a detailed Construction Traffic Control Plan (CTCP) and submit it for review and approval by the City Department of Public Works. The applicant and the City shall consult with local emergency service providers for their input before approving the CTCP. At a minimum, the CTCP shall include:

- The number of truck trips, time, and day of street closures;
- Time of day of arrival and departure of trucks;
- Limitations on the size and type of trucks, provision of a staging area with a limitation on the number of trucks that can be waiting;
- Provision of a truck circulation pattern;
- Provision of driveway access plan so that safe vehicular, pedestrian, and bicycle movements are maintained (e.g., steel plates, minimum distances of open trenches, and private vehicle pick up and drop off areas);
- Maintain safe and efficient access routes for emergency vehicles;
- Manual traffic control when necessary;
- Proper advance warning and posted signage concerning street closures; and
- Provisions for bicycle, pedestrian, and transit access and safety.

A copy of the CTCP shall be submitted to local emergency response agencies and these agencies shall be notified at least 14 days before the commencement of construction that would partially or fully obstruct roadways.

Significance after Mitigation

Implementation of Mitigation Measure 7.1 would reduce potential significant impacts associated with project construction activity to a **less-than-significant** level by minimizing the effects of project construction to the surrounding multi-modal transportation system.

Impact 8: Impacts to project site access.

Implementation of the proposed project would generate new peak hour vehicle trips, which would cause vehicle queues at critical movements to exceed available queue storage capacity. This would inhibit vehicular ingress to the project site. This impact would therefore be **significant**.

The project would increase a.m. and p.m. peak hour vehicle traffic at local intersections throughout the study area under Existing Plus Project conditions. As shown in Table 19, the project would increase vehicle demand for the eastbound left-turn at the Russell Boulevard/Sycamore Lane intersection. This increase would primarily be attributed to growth in peak hour traffic volumes from SR 113 to the project site. Under existing conditions, peak hour maximum queues for this movement frequently spill back to a distance of 325 feet, 25 feet (one car length) beyond the 300 feet of available left-turn pocket storage capacity, and block the adjacent eastbound through travel lane on Russell Boulevard. The addition of project trips would exacerbate this condition during both peak hours, resulting in more frequent lane blockages. Given the detrimental effects on project site access, this would constitute a significant impact.

Mitigation Measure 8.1. Extend the eastbound left-turn pocket at the Russell Boulevard/Sycamore Lane intersection.

Prior to the issuance of demolition permits, the project applicant shall extend the eastbound left-turn pocket at the Russell Boulevard/Sycamore Lane intersection from 300 to 375 feet. This is the maximum distance feasible without affecting the adjacent westbound left-turn pocket at the Russell Boulevard/Orchard Park Drive intersection. This extension would enable the eastbound left-turn pocket to accommodate the maximum queue of 325 feet under Existing Plus Project conditions. The timing of this modification is necessary to accommodate the considerable number of truck trips related to the project's demolition and construction.

Significance after Mitigation

The implementation of Mitigation Measure 8.1 would reduce potential significant impacts to project site access to a **less-than-significant** level by eliminating the queueing conditions described above that would otherwise adversely affect project site access.

Cumulative Impacts and Mitigation Measures

Cumulative transportation impacts consider those that would result from the construction of the proposed project combined with other future land use and transportation system changes anticipated to occur by 2036. The project's contribution to cumulative impacts may be considerable if it worsens or results in a significant cumulative impact. Under cumulative conditions, the project would cause an impact if both of the following criteria are met:

- An unacceptable condition would exist; and
- The project would have a cumulatively considerable contribution to the unacceptable condition.

The proposed project is anticipated for construction within the near-term timeframe (one to five years). The proposed project does not identify further changes to the project site or surrounding transportation system between the near-term timeframe and the 2036 cumulative analysis year. Therefore, the following impacts and requisite mitigation measures associated with the proposed project would occur prior to the 2036 cumulative analysis year:

- Impact 2: Impacts to bicycle facilities.
    - Mitigation Measure 2.1. Improve the southbound bike lane approach at the Russell Boulevard/Sycamore Lane intersection.
    - Mitigation Measure 2.2. Improve the southbound bike lane approach at the Russell Boulevard/Anderson Road/La Rue Road intersection.
    - Mitigation Measure 2.3. Construct a shared-use path on the Russell Boulevard project site frontage.
    - Mitigation Measure 2.4. Improve crossings at the Russell Boulevard/Anderson Road/La Rue Road intersection.
    - Mitigation Measure 2.5. Improve the Russell Boulevard shared-use path between Sycamore Lane and the UC Davis softball field.
    - Mitigation Measure 2.6. Improve the Russell Boulevard shared-use path between Anderson Road and the bicycle roundabout near Primo Grove.
- Impact 3: Impacts to pedestrian facilities.
    - Mitigation Measure 3.1. Improve crossings at the Russell Boulevard/Anderson Road/La Rue Road intersection.

- Mitigation Measure 3.2. Improve the Russell Boulevard shared-use path between Sycamore Lane and the UC Davis softball field.
- Mitigation Measure 3.3. Improve the Russell Boulevard shared-use path between Anderson Road and the bicycle roundabout near Primo Grove.

- Impact 4: Impacts to transit service and facilities.
  - Mitigation Measure 4.1. Improve the existing bus stop on southbound Anderson Road north of Russell Boulevard.
- Impact 6: Impacts to emergency vehicle access.
- Impact 7: Construction-related impacts.
  - Mitigation Measure 7.1. Prepare a Construction Traffic Control Plan.

Between Existing Plus Project and Cumulative Plus Project conditions, travel characteristics associated with the proposed project would not materially alter the project's effect on surrounding transportation system operating conditions or performance for the topics listed above. Therefore, the proposed project would not result in a considerable contribution to cumulative impacts on the topics listed above beyond those disclosed in the Existing Plus Project impacts and mitigation measures discussion. These topics are not discussed further in this study.

Impact 9: Cumulative impacts to roadway operations.

Under cumulative conditions, the proposed project would generate new peak hour vehicle trips that would cause unacceptable operating conditions at study intersections. This impact would therefore be **significant**.

The project would increase a.m. and p.m. peak hour traffic volumes and delay at study intersections under Cumulative Plus Project conditions. Three intersections would exceed acceptable LOS thresholds. Moreover, the two stop-controlled intersections (Russell Boulevard/Orchard Park Drive and Russell Boulevard/California Avenue) would meet the peak hour warrant for a traffic signal. Finally, at each of the three study intersections with unacceptable peak hour operations, the project would cause a cumulatively considerable increase in peak hour delay and/or traffic volume (see Table 24). Together, these criteria would constitute a significant impact.

Table 24: Unacceptable Intersection Operations – Cumulative Plus Project Conditions

Intersection	Traffic Control	Jurisdiction	Peak Hour	Cumulative Plus Project Conditions		Change From No Project Conditions	
				Delay (sec)	LOS	Delay (sec)	Volume Served
3. Russell Blvd./Orchard Park Dr.	SSSC	City of Davis	A.M.	**12 (>120)**	**B (F)**	+3 (+32)	**+3%**
			P.M.	**18 (91)**	**C (F)**	+2 (+38)	**+3%**
5. Russell Blvd./Anderson Rd./La Rue Rd.	Signal	City of Davis	A.M.	58	E	+15	+2%
			P.M.	**120**	**F**	**+20**	+1%
6. Russell Blvd./California Ave.	SSSC	City of Davis	A.M.	9 (42)	A (E)	+1 (+5)	+2%
			P.M.	**86 (>120)**	**F (F)**	-1 (+14)	**+2%**

Notes: For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side-street stop-controlled intersections, average intersection delay is reported in seconds per vehicle for all approaches with the delay and LOS for the worst-case movement reported in parentheses.
Bold indicates study intersections that exceed acceptable LOS thresholds. Bold and grey indicates study intersections that exceed acceptable LOS thresholds and exhibit cumulatively considerable impacts.
Source: Fehr & Peers, 2019.

Mitigation Measure 9.1. Modify Russell Boulevard intersections to reduce peak hour vehicle delay.

The City shall implement modifications to Russell Boulevard to reduce peak hour vehicle delay at the Russell Boulevard/Orchard Park Drive, Russell Boulevard/Anderson Road/La Rue Road, and Russell Boulevard/California Avenue intersections. The Russell Boulevard corridor is limited in terms of physical modification or expansion due to right-of-way constraints. Moreover, any substantial widening of Russell Boulevard that would result in increased capacity for peak hour vehicle demand would be inconsistent with City policies related to non-motorized transportation prioritization (e.g., by creating longer bicycle and pedestrian crossing distances at intersections) and limits on the number of allowable arterial vehicular travel lanes. Therefore, potential modifications to Russell Boulevard should not include the addition of through vehicular travel lanes, and should instead focus on intersection and/or traffic signal modifications to increase vehicle capacity without compromising bicycle, pedestrian, or transit facilities.

Potential improvement alternatives include (but are not limited to):

1) At the Russell Boulevard/Orchard Park Drive intersection, either:
    a. Prohibit northbound left-turns, or
    b. Prohibit northbound left-turns and westbound left-turns (i.e., right-in/right-out only).

    These turn prohibitions would eliminate side-street movements and/or major street left-turn movements that contribute to the cumulatively considerable impact at this intersection. The City also considered converting the intersection from a side-street stop-controlled intersection to a signalized intersection. While a traffic signal would reduce delay for side-street movements that contribute to the cumulatively considerable impact at this intersection, the City determined that a traffic signal at this location would be undesirable due to the resulting increase in eastbound and westbound major street delay on Russell Boulevard.
2) At the Russell Boulevard/Sycamore Lane intersection, construct pedestrian bulbouts at the northwest and northeast corners of the intersection to reduce pedestrian crossing distances, which in turn would allow for reduced "walk" and "flash don't walk" times for the north, west, and east leg crossings. The resulting excess green time would be reallocated to the major east-west through movements to improve overall corridor operations. The pedestrian bulbouts should be integrated with the design of the bike lane modification described in Mitigation Measure 2.1 (at the northwest corner) and the shared-use path described in Mitigation Measure 2.3 (at the northeast corner).
3) At the Russell Boulevard/Sycamore Lane intersection, lengthen the eastbound left-turn pocket from 300 to 375 feet (see Mitigation Measure 8.1).
4) At the Russell Boulevard/Anderson Road/La Rue Road intersection, either
    a. Install five-section traffic signal for the northbound right-turn lane and an accompanying bicycle/pedestrian signal to control crossing movements across the northbound channelized right-turn lane., or
    b. Implement alternative 2 described in Mitigation Measure 2.4 (conversion of the Russell Boulevard/Anderson Road/La Rue Road intersection to a protected intersection).

    These options would eliminate the conflict caused by northbound right-turn vehicular movements and crossing bicycle and pedestrian movements (utilizing the Russell Boulevard shared-use path), which is a source of vehicle delay at this intersection.

5) At the Russell Boulevard/Oak Avenue intersection, prohibit eastbound U-turn movements and convert the eastbound left-turn movement from a permitted to a protected left-turn signal phase. These modifications would reduce p.m. peak hour delay associated with eastbound left-turn/U-turn vehicle demand at this intersection, which would otherwise cause queueing that spills back beyond the available turn pocket storage capacity, block the adjacent eastbound through lane, and reduce the functional capacity of eastbound Russell Boulevard at this segment to a single lane. The eastbound/left-turn movement at Oak Avenue would experience high p.m. peak hour delay under Cumulative Plus Project conditions due to the desire for motorists departing the UC Davis campus at California Avenue (turning north-to-east onto Russell Boulevard) to complete a U-turn at Oak Avenue to proceed westbound on Russell Boulevard towards SR 113.
6) At the Russell Boulevard/College Park/Howard Way intersection, convert the northbound and southbound approaches to split phase operations and eliminate the west leg crossing. The elimination of the west leg crossing would allow for additional green time (resulting from the elimination of the "walk" and "flash don't walk" phases associated with the west leg crossing) to be reallocated to the major east-west through movements to improve overall corridor operations. This modification would increase the capacity for high side-street vehicle demand at northbound Howard Way generated by the UC Davis campus during the p.m. peak hour.
7) At all signalized intersections on Russell Boulevard, increase the p.m. peak hour cycle length from 90 to 100 seconds, which would match the a.m. peak hour cycle length under existing conditions. This signal timing adjustment should be applied to all coordinated signals along the corridor between and inclusive of Sycamore Lane and G Street.

Implementation of alternatives 1 through 7 would reduce peak hour delay for select vehicular movements at intersections along the Russell Boulevard under Cumulative Plus Project conditions. Overall Russell Boulevard corridor vehicle demand would remain high under cumulative conditions, which would limit the effectiveness of potential mitigation actions with regards to reducing peak hour vehicle delay at study intersections with unacceptable operating conditions (see Table 25).

Table 25: Unacceptable Intersection Operations – Cumulative Plus Project Conditions with Mitigation

Intersection	Traffic Control	Jurisdiction	Relevant Improvement Alternatives	Peak Hour	Cumulative Plus Project Conditions with Mitigation	
					Delay (sec)	LOS
3. Russell Blvd./Orchard Park Dr.	SSSC	City of Davis	1a, 2, 3, 7	A.M.	2 (16)	A (C)
				P.M.	6 (15)	A (B)
			1b, 2, 3, 7	A.M.	2 (11)	A (B)
				P.M.	5 (11)	A (B)
5. Russell Blvd./Anderson Rd./La Rue Rd.	Signal	City of Davis	4a, 7	P.M.	**114**	**F**
			4b, 7	P.M.	**>120**	**F**
6. Russell Blvd./California Ave.	SSSC	City of Davis	5, 6, 7	P.M.	**95 (>120)**	**F (F)**

Notes: For signalized intersections, average intersection delay is reported in seconds per vehicle for all approaches. For side-street stop-controlled intersections, average intersection delay is reported in seconds per vehicle for all approaches with the delay and LOS for the worst-case movement reported in parentheses.
Bold indicates study intersections that exceed acceptable LOS thresholds.
Source: Fehr & Peers, 2019.

As described previously, the City is about to begin a corridor planning effort for Russell Boulevard. Therefore, the ultimate modifications constructed along Russell Boulevard should be consistent with the preferred improvements identified in the Russell Boulevard Corridor Plan.

Prior to project occupancy, the project applicant shall construct the pedestrian bulbouts at Russell Boulevard/Sycamore Lane described in alternative 2. Prior to the issuance of demolition permits, the project applicant shall lengthen the eastbound left-turn pocket at the Russell Boulevard/Sycamore Lane intersection as described in alternative 3.

Prior to the occupancy of the project, the project applicant shall contribute fair share funding to cover their proportionate cost of improvements described in alternatives 1, 4, 5, 6, and 7. The fair share funding shall be submitted to the City of Davis.

Significance after Mitigation

Implementation of Mitigation Measure 9.1 would reduce peak hour vehicle delay for select movements at intersections along the Russell Boulevard corridor. However, the delay reductions would not be sufficient to restore acceptable intersection operating conditions at impacted study intersections, or to reduce the project's cumulatively considerable contribution to unacceptable operating conditions.

Elements of Mitigation Measure 9.1 would occur within UC Davis right-of-way (e.g., modifications to the Russell Boulevard/Anderson Road/La Rue Road intersection) and would be subject to final approval and actions by UC Davis. Moreover, since the remaining fair share contributions needed for the construction of alternatives 1, 4, 5, 6, and 7 in Mitigation Measure 9.1 have not been identified by the City of Davis, fair share payment by the project applicant would not ensure construction. Therefore, the implementation of these mitigation measures cannot be guaranteed.

For the reasons described above, cumulative impacts to roadway operations would be considered **significant and unavoidable**.

Impact 10: Cumulative impacts to vehicle miles traveled (VMT).

Under cumulative conditions, implementation of the proposed project would result in project-generated VMT per capita measuring below the local and regional per capita averages. This impact would therefore be **less than significant**.

As shown in Table 23, the project would generate an estimated 16.4 VMT per capita, which is lower than each of the local and regional VMT per capita averages under cumulative conditions. Factors that contribute to this result include the project's proximity to UC Davis, the complementary on-site retail and residential land uses, and the availability of nearby high-quality bicycle facilities and transit services. Since the project-generated VMT would not exceed local or regional VMT per capita averages, this would constitute a less-than-significant impact.

Mitigation Measures

None required.

Impact 11: Cumulative impacts to project site access.

Under cumulative conditions, implementation of the proposed project would generate new peak hour vehicle trips, which would cause vehicle queues at critical movements to exceed available queue storage capacity. This would inhibit vehicular ingress to the project site. This impact would therefore be **significant**.

The project would increase a.m. and p.m. peak hour vehicle traffic at local intersections throughout the study area under Cumulative Plus Project conditions. As shown in Table 21, the project would increase vehicle demand for the eastbound left-turn at the Russell Boulevard/Sycamore Lane intersection. This increase would primarily be attributed to growth in peak hour traffic volumes from SR 113 to the project site. Under Cumulative Plus Project conditions, peak hour maximum queues for this movement would spill back to a distance of 350 feet and 375 feet during the a.m. and p.m. peak hours, respectively, beyond the 300 feet of available left-turn pocket storage capacity, and block the adjacent eastbound through travel lane on Russell Boulevard. Given the detrimental effects on project site access, this would constitute a significant impact.

Mitigation Measure 11.1. Extend the eastbound left-turn pocket at the Russell Boulevard/Sycamore Lane intersection.

Implement Mitigation Measure 8.1 (Extend the eastbound left-turn pocket at the Russell Boulevard/Sycamore Lane intersection).

Significance after Mitigation

The implementation of Mitigation Measure 11.1 would reduce potential significant impacts to project site access to a **less-than-significant** level by extending the eastbound left-turn pocket at the Russell Boulevard/Sycamore Lane intersection to a length of 375 feet, which would be sufficient to accommodate peak hour vehicle queues under Cumulative Plus Project conditions. Therefore, this mitigation measure would eliminate the queueing conditions described above that would otherwise adversely affect project site access.

8. Project Site Access, Circulation, and Parking Review

This section site provides a review of project site access, circulation, and parking.

Site Access and Circulation

The review of project site access and circulation focused on the following key components – driveway throat depths, pedestrian conflicts, and bicycle, pedestrian, and transit access.

Driveway Throat Depths

Adequate driveway throat depths are necessary to minimize conflicting movements that disrupt on- and off-site circulation. Conflicting movements located within the driveway throat area can cause undesirable circulation effects, including vehicles that queue back into the adjacent public roadway, vehicle conflicts with pedestrians and bicyclists, and congestion within the project site. Common site design features that cause conflicting movements include poorly placed parking stalls, internal intersections, and bicycle and pedestrian pathways.

Generally, driveway throat depths should be sufficiently sized to accommodate maximum queues for outbound vehicular movements. Additionally, driveway throat depths should provide sufficient space to accommodate entering vehicles prior to reaching a conflicting movement. Based on these parameters, the resulting driveway throat depths should be designed to be clear of parking stalls, internal intersections, and drive aisles.

As shown in Figure 19, the maximum outbound queues during the p.m. peak hour would exceed the driveway throat depth at several locations on the project site. This condition could cause queue spillback into the adjacent public roadway at the following locations:

- Southern Sycamore Lane driveway
- Southern Anderson Road driveway
- Western Russell Boulevard driveway

Queue spillback would be particularly problematic at the southern Sycamore Lane driveway and the western Russell Boulevard driveway, since both driveways serve highly desirable parking stalls in close proximity to the Trader Joe's entrance (i.e., motorists would be willing to wait longer to access a convenient parking location).

Potential strategies to minimize the effects of queue spillbacks and on-site circulation include the following:

- Southern Sycamore Lane driveway
    - Eliminate parking stalls along the Retail 6 frontage
    - Provide exclusive outbound left-turn and right-turn lanes
- Southern Anderson Road driveway
    - Eliminate parking stalls along the Retail 1, 2, and 3 frontages
- Western Russell Boulevard driveway
    - Align with the drive aisle north into the parking garage, shift further east into the project site (this would also provide additional throat depth for the southern Sycamore Lane driveway), and close off access for the southernmost east-west drive aisle to/from the west (opposite the Trader Joe's loading dock)

Pedestrian Conflict Points

Separated pedestrian pathways and clearly marked crossings should be provided at the following locations where pedestrians would mix with automobiles:

- Internal intersection adjacent to Trader Joe's entrance
- Internal intersection at the southeast corner of Retail 5
- Surface parking lot, particularly to facilitate east-west pedestrian travel between Trader Joe's and parking stalls

Additional elements such as raised crossings would further enhance the pedestrian environment.

Bicycle and Pedestrian Access

As described previously, the project would generate substantial bicycle and pedestrian travel demand, particularly between the project site and the UC Davis campus to the south. Internal pathways and marked crossings should be provided to facilitate bicycle and pedestrian travel between the surrounding transportation network and on-site building entrances and bicycle storage areas.

Additionally, the construction of the shared-use path on the Russell Boulevard project site frontage (described in Mitigation Measure 2.3) would facilitate east-west bicycle and pedestrian travel across and into the project site.

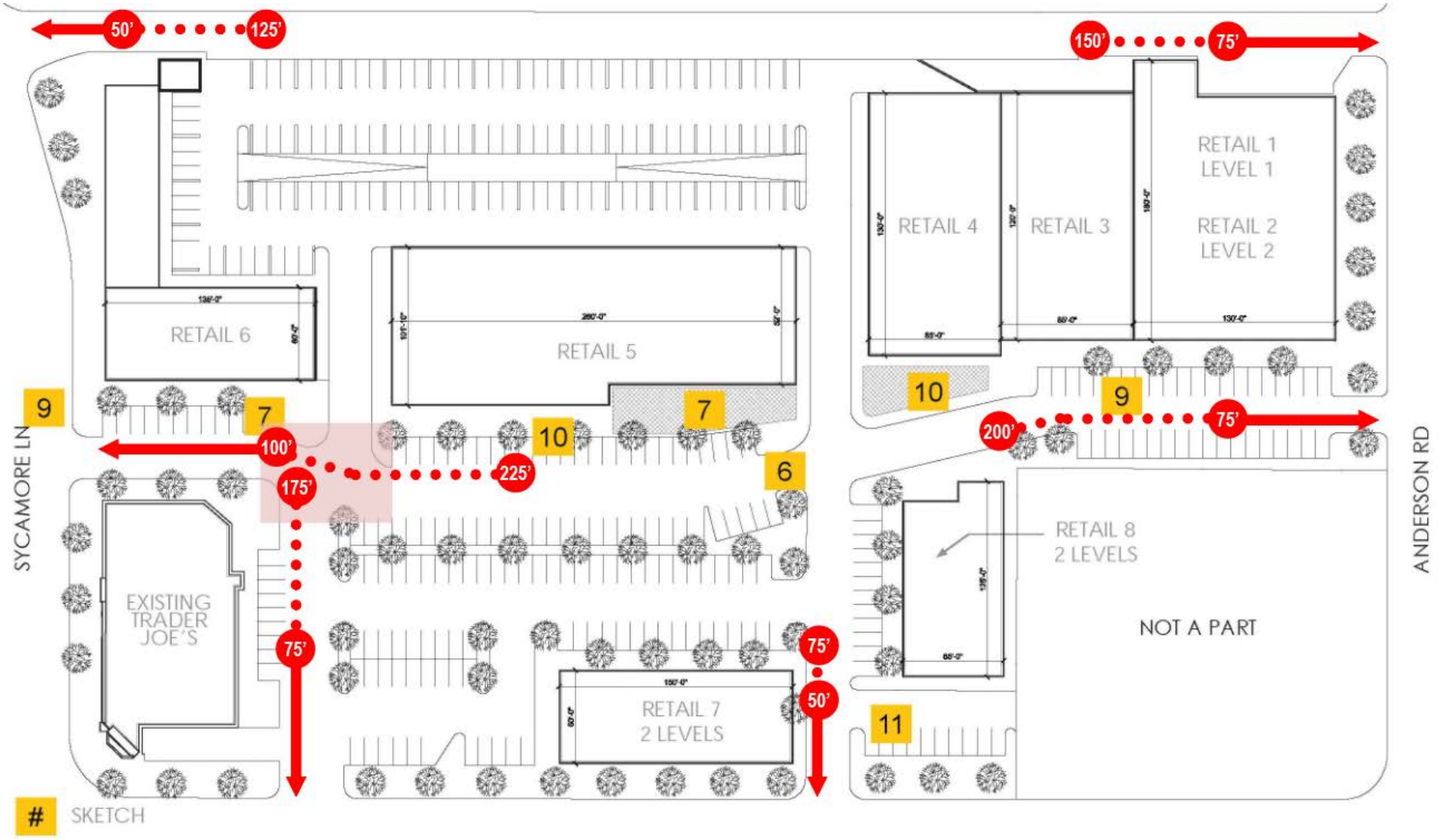
Transit Access

As described previously, most project transit passengers would travel between the project site and the UC Davis campus. Outbound passengers would primarily utilize the existing bus stop on southbound Anderson Road north of Russell Boulevard along the project's frontage. Currently, the bus stop has limited capacity to accommodate waiting passengers, as most passengers are required to wait in the sidewalk. In order to sufficiently accommodate project-related transit passengers, this bus stop should be reconfigured to provide additional space for waiting passengers (as described in Mitigation Measure 4.1). Additional amenities such as a shelter, benches, and trash receptacles would further enhance the passenger waiting environment.

Additional Information

The information described above is based on the conceptual site plan provided by the project applicant as of July 2019. The following additional information is would allow for a more detailed site access and circulation review:

- Location and dimensions of internal pedestrian pathways and crossings.
- Location and dimensions of internal bicycle pathways.
- Large vehicle access needs:
    - Emergency vehicle access route(s)
    - Delivery truck access route(s), frequency, size, and loading docks
- An AutoCAD basemap file of the final project site plan.



P.M. Peak Hour Vehicle Queues

Average Queue

Maximum Queue

Figure 16

Project Site Vehicle Queuing
Existing Plus Project Conditions

Parking

The project proposes a combination of bicycle and vehicle parking to serve the needs of project site residents, visitors, and employees.

Bicycle Parking

According to the conceptual bicycle parking plan illustrated in *University Commons – Proposed Bicycle Site Amenities* (Brixmor, January 2019), the project would provide parking capacity for 1,018 bicycles, including 355 short-term spaces (32 percent of total) and 693 long-term spaces (68 percent of total). Based on the composition of the project land uses, City code would require 802 total bicycle parking spaces, including 291 short-term spaces and 511 long-term spaces. Therefore, the proposed bicycle parking supply would exceed the minimum City requirements by 216 spaces.

Short- and long-term bicycle parking would be situated throughout the project site. The majority of long-term bicycle parking (536 long-term spaces) would be provided on various levels within the proposed parking structure, with access provided via elevator. These spaces would be primarily utilized by project residents. An enclosed 80-space short-term bicycle storage area on the first floor of the parking structure would include benches and lockers and would be ideally suited for project employees. The remaining short-term bicycle parking would be scattered throughout the site near driveways or retail entry/exit points. These would include some covered parking spaces, including a large cluster of covered short-term bicycle parking at the southeast corner of the project site along Russell Boulevard.

Vehicle Parking

According to the conceptual vehicle parking plan illustrated in *University Commons – Design Concept – Parking* (Brixmor, January 2019), the project would provide capacity for 693 vehicle parking spaces through a combination of surface and structured parking facilities.

According to Davis Municipal Code 40.25.090(v), the City parking requirement for community shopping centers is one space per 350 square feet of non-residential use plus one space per dwelling unit. Therefore, with a proposed 150,000 square feet of retail space and 264 dwelling units, the project would comply with the established City parking requirements, as calculated below.

Retail space	*150,000 square feet @ one space per 350 square feet*	*429 spaces*
Residential space	*264 dwelling units @ one space per dwelling unit*	*+ 264 spaces*
Total		***693 spaces***

Moreover, the project is currently a planned development (P-D) district and will be rezoned as a new P-D. According to Davis Municipal Code 40.22.010, P-D zoning is intended to allow for flexibility in development standards in order to promote creative development approaches, efficient use of land, a

variety of development styles, and responsiveness to new technologies. The P-D zoning for the project would allow the City to evaluate the specific project proposal, including the proposed parking supply and anticipated parking demand, and adjust the parking requirement as appropriate in the project entitlements.

Any project parking demand that exceeds available on-site parking supply would rely on the surrounding public parking supply. However, the availability of nearby public parking is constrained due to existing parking demand patterns and the City's residential permit parking program. As shown in Figure 8, the City's residential permit parking program prohibits overnight use of on-street parking in most Central Davis single-family residential neighborhoods within a half-mile of the project site without a valid parking permit (see relevant City Parking Permit areas in the Appendix), which University Commons Project residents would not be able to acquire. Weekday late night parking occupancy surveys conducted at the remaining unrestricted public on- and off-street parking areas surrounding the project site (e.g., Sycamore Lane, Anderson Road, Russell Boulevard, Oxford Circle, and Wake Forest Drive) indicated that 85 percent of public parking spaces were occupied during the peak residential parking demand hour. This results in a parking environment surrounding the project site where a limited number of spaces would be available for unrestricted, all-day use by University Commons Project parking demand (i.e., there would generally not excess parking available during peak periods). Therefore, any new parking demand generated by the project that exceeds the on-site parking supply would increase the competition for the limited number of available unrestricted, all-day public parking spaces within the project site vicinity. However, the project's effects on parking supply within neighborhoods managed by the City Parking Permit program (i.e., to the north and east of the project site) should be minimal given the City's regular enforcement of the permit program.

University Commons Project

Technical Appendix

RS18-3681

FEHR PEERS

FEHR PEERS

MEMORANDUM

Date:	January 4, 2019
To:	Nick Pappani, Raney Planning & Management
From:	Greg Behrens, AICP & John Gard, P.E., Fehr & Peers
Subject:	***University Mall Redevelopment Project Travel Characteristics***

RS18-3681

This memorandum describes the methodology utilized to estimate the expected travel characteristics of the University Mall Redevelopment Project (the project), including its trip generation and mode choice. These characteristics will be used in the development of the "Existing Plus Project" condition. The "Cumulative Plus Project" condition will also use many of these same estimates, but will additionally consider changed conditions within the vicinity of the project site (e.g., buildout of nearby planned and approved development projects) between the two scenarios.

Project Description

The proposed project would include the following modifications to the existing University Mall in Davis:

- Demolition of 90,653 square feet of existing retail space;
- Construction of 136,800 square feet of new retail space; and
- Construction of 264 units (622 bedrooms with 894 beds) of new multi-family housing.

The existing 13,200 square foot Trader Joe's grocery store would remain unchanged.

The project would include a total of 696 vehicle parking spaces (265 spaces for residential use and 431 spaces for retail use) and 1,018 bicycle parking spaces. Parking would be provided through a combination of structured and surface parking facilities.

Approach

The conventional approach for estimating travel characteristics for most proposed land development projects involves applying an industry-recommended trip generation rate (typically derived from the ITE *Trip Generation Manual*) to each relevant land use typology comprising the project. However, due to the following reasons, a more tailored approach is necessary to estimate the travel characteristics of the University Mall Redevelopment Project for the purposes of a CEQA-level transportation study.

- **The proposed project would include a mix of land uses.** The proposed combination of residential and commercial land uses on the project site would influence travel behavior for project residents, employees, and visitors. For example, the co-location of residential and commercial uses would allow for the internalization of shopping trips that would otherwise be destined for other local shopping centers located off-site.
- **The proposed project would be located in close proximity to the UC Davis campus.** The existing University Mall and surrounding residential uses attract a high number of college student employees, patrons, and residents due to their proximity to UC Davis. Similarly, the commercial and residential components of the proposed project would reasonably be

expected to exhibit a similar orientation around college students. Existing data sources, including the annual UC Davis Campus Travel Survey and trip generation data for off-campus student-oriented housing within the City of Davis (e.g., Lexington Apartments), indicate that UC Davis student commute and non-commute travel behavior is highly oriented around non-motorized travel modes, including biking, walking, and transit. Accordingly, data representative of UC Davis student travel behavior is preferable to national data, such as that published in the ITE *Trip Generation Manual*.

- **The project site includes land uses with high trip generation characteristics.** The existing University Mall includes a Trader Joe's and Starbucks, both of which generate a greater number of trips per square foot compared to the grocery store and coffee shop land use categories reflected in the ITE *Trip Generation Manual*. Understanding the trip generation characteristics of these specific uses is an important element of the project travel characteristics analysis, particularly since the Trader Joe's is proposed to remain as a component of the project.

Given these considerations, it is appropriate to utilize local data to serve as the basis for the project trip generation and mode choice estimates.

Data Collection

To estimate the trip generation for the residential component of the proposed project, weekday AM and PM peak period trip generation data was collected at the Sycamore Lane Apartments, located immediately north of the project site. This data included person trips entering and exiting the Sycamore Lane Apartments site, as well as mode choice and vehicle occupancy observations. The data collection occurred on a mid-week day in October 2018 while UC Davis and local schools were in regular session, and weather conditions were clear. Given the close proximity between the Sycamore Lane Apartments and the UC Davis campus, a high percentage of apartment residents are UC Davis students.

To estimate the trip generation for the commercial component of the project, weekday AM and PM peak period trip generation data was collected at the existing University Mall. This data included vehicle and bicycle trips entering and exiting the project site at each of the existing University Mall driveways, as well as person trips entering and exiting the existing Trader Joe's and Starbucks located on the project site. Trip generation data collection for the existing Trader Joe's and Starbucks was also conducted in order to quantify their trips versus trips generated by the other retail uses at the University Mall. The data collection occurred in May and November 2018 while UC Davis and local schools were in regular session.

Methodology

Table 1 summarizes the steps completed to develop the project trip generation and mode choice estimates. This methodology relies primarily upon the local data collection efforts described above; however, it was necessary to perform factoring using trip rate data from the ITE *Trip Generation Manual, 10th Edition* (2017) in some instances as described below. The trip generation and mode choice estimates are based on the project description and site plan provided in the Notice of Preparation document dated November 16, 2018.

Table 1 University Mall Redevelopment Project – Trip Generation and Mode Choice Methodology	
Step	**Description**
1	Collect local data to establish peak hour vehicle trip rates to be used for project residential component.
2	Calculate peak hour and daily vehicle trip generation for project residential component.
3	Collect local data to serve as the basis for peak hour vehicle trip rates to be used for project commercial component.
4	Calculate peak hour and daily vehicle trip generation for project commercial component.
5	Calculate total vehicle trip generation for the project.
6	Utilize local data to estimate peak hour mode choice for the project.

Source: Fehr & Peers, 2018.

Project Vehicle Trip Generation – Residential Component

Step 1. Collect local data to establish peak hour vehicle trip rates to be used for project residential component.

Peak hour vehicle trip rates for the residential component of the project were derived from the peak period vehicle trip counts collected at the adjacent, fully occupied, 282-bedroom Sycamore Lane Apartments on Thursday, October 11, 2018. A review of the website for the Sycamore Lane Apartments indicated that there were no vacant apartments at the time of the data collection.

Based on these counts, the observed AM and PM peak hours for vehicle trip generation occurred from 8:00 AM to 9:00 AM and 5:00 PM to 6:00 PM, respectively. **Table 2** summarizes the observed peak hour vehicle trip rates per bedroom at the Sycamore Lane Apartments. By definition, these rates already consider travel made by non-vehicle modes such as walking, bicycling, and transit. For instance, during the PM peak hour, vehicle trips represented only 30 percent of all person trips made by this apartment complex.

During the AM peak hour, the Sycamore Lane Apartments generated 31 vehicle trips, equivalent to an average rate of 0.11 vehicle trips per bedroom. During the PM peak hour, the Sycamore Lane Apartments generated 43 vehicle trips, equivalent to an average rate of 0.15 vehicle trips per bedroom. Vehicle trip rates reflect vehicle trips generated by apartment resident and visitor drive alone and park, carpool and park, and pick-up/drop-off activity, including utilization of transportation network company (TNC) services (e.g., Uber and Lyft).

Table 2 Sycamore Lane Apartments – Peak Hour Vehicle Trip Generation							
Category	**Bedrooms**	**AM Peak Hour**			**PM Peak Hour**		
		Total	**In**	**Out**	**Total**	**In**	**Out**
Vehicle Trips	282	31	9	22	43	18	25
Vehicle Trip Rate		0.11	29%	71%	0.15	42%	58%

Note:
Observed AM and PM peak hours for the Sycamore Lane Apartments were 8:00 AM to 9:00 AM and 5:00 PM to 6:00 PM, respectively.
Source: Fehr & Peers, 2018

Step 2. Calculate peak hour and daily vehicle trip generation for project residential component.

Table 3 summarizes the estimated number of peak hour vehicle trips that would be generated by the residential component of the proposed project. The residential component of the project would generate an estimated 69 AM peak hour and 93 PM peak hour vehicle trips.[1]

Table 3 Project Residential Component – Peak Hour Vehicle Trip Generation							
Category	**Bedrooms**	**AM Peak Hour**			**PM Peak Hour**		
		Total	**In**	**Out**	**Total**	**In**	**Out**
Project Residential Component[1]	622	69	20	49	93	39	54

Note:
[1] Calculated as follows based on the Sycamore Lane Apartments peak hour vehicle trip generation rates:
AM Peak Hour T = 0.11(X), with 29% inbound and 71% outbound.
PM Peak Hour T = 0.15(X), with 42% inbound and 58% outbound.
Where T = trip ends and X = bedrooms.
Source: Fehr & Peers, 2018.

The ITE *Trip Generation Manual, 10th Edition* can be utilized to estimate the daily vehicle trips that would be generated by the residential component of the proposed project. The process entails applying a factor to the observed peak hour trip rates from the Sycamore Lane Apartments to estimate the daily trip rate. Hourly-to-daily factors are provided in Appendix A of the ITE *Trip Generation Manual* for ITE Land Use Category 225 – Off-Campus Student Apartment (Adjacent to Campus). Using this factoring process, the estimated daily vehicle trip rate would be 2.72 daily vehicle trips per bedroom, equivalent to 1,690 daily vehicle trips generated by the 622-bedroom residential component of the project.

[1] The peak hour vehicle trip generation calculation for the project residential component utilized the project's total number of bedrooms as the independent variable for size. This approach allows for use of the trip generation rates established from observed data collected at the Sycamore Lane Apartments, which also utilized the total number of bedrooms for the apartment complex as the independent variable for size.

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Project Vehicle Trip Generation – Commercial Component

Step 3. Collect local data to serve as the basis for peak hour vehicle trip rates to be used for project commercial component.

Peak hour vehicle trip rates for the commercial component of the project were derived from the weekday peak period vehicle trip counts collected at the existing University Mall in May 2018. Based on these counts, the observed AM and PM peak hours for vehicle trip generation occurred from 8:00 AM to 9:00 AM and 4:30 PM to 5:30 PM, respectively. **Table 4** summarizes the observed peak hour vehicle trip rates per occupied 1,000 square feet (KSF) for the existing University Mall. At the time of the trip counts, 96.436 KSF of the 103.853 KSF mall was occupied, equivalent to approximately 93 percent occupancy.

During the AM peak hour, the existing University Mall generated 425 vehicle trips, equivalent to an average rate of 4.41 vehicle trips per occupied KSF. During the PM peak hour, the existing University Mall generated 948 vehicle trips, equivalent to an average rate of 9.83 vehicle trips per occupied KSF. Vehicle trip rates reflect vehicle trips generated by mall employee, delivery, and visitor drive alone and park, carpool and park, and pick-up/drop-off activity, including utilization of TNC services.

Table 4
Existing University Mall – Peak Hour Vehicle Trip Generation

Category	Occupied KSF	AM Peak Hour			PM Peak Hour		
		Total	In	Out	Total	In	Out
Vehicle Trips	96.436	425	244	181	948	495	456
Vehicle Trip Rate		4.41	57%	43%	9.83	52%	48%

Notes: Observed AM and PM peak hours for the existing University Mall were 8:00 AM to 9:00 AM and 4:30 PM to 5:30 PM, respectively. University Mall was approximately 93 percent occupied at the time of the trip counts, equivalent to 96.436 occupied KSF.
Source: Fehr & Peers, 2018.

The vehicle trip rates shown in Table 4 are substantially higher than trip rates typically observed at comparable shopping center land uses. Field observations suggested that the Trader Joe's and Starbucks located on-site may have contributed to these unusually high trip rates due to their large number of customers and high rate of customer turnover. Accordingly, it is necessary to isolate the vehicle trips generated by the existing Trader Joe's and Starbucks in order to understand the trip generation characteristics for the remaining retail uses at the existing University Mall. This is an important step because the vehicle trip rates for the remaining retail uses at the existing University Mall are subsequently used for estimating peak hour vehicle trip generation for the expanded University Mall retail space proposed by the project. In other words, it would not be reasonable to assume the proposed project consists entirely of future land uses that generate trips at the rates that Trader Joes' and Starbucks do.

Trip counts and field observations were conducted at the existing University Mall Trader Joe's and Starbucks on Wednesday, November 28, 2018 and Thursday, November 29, 2018. Data collection included peak hour person trip generation counts at the entrance/exit to each use, as well as

observations related to mode choice and vehicle occupancy (e.g. recording the size of groups entering/exiting the use from adjacent parking spaces, bike racks, and transit stops).

Table 5 summarizes the observed peak hour vehicle trip rates per occupied KSF for the Trader Joe's and Starbucks. After excluding these high trip generators, the remaining retail uses at the existing University Mall generate 1.28 vehicle trips per occupied KSF during the AM peak hour and 4.36 vehicle trips per occupied KSF during the PM peak hour. Those rates are much more in line with what should be expected from a retail center, particularly one located in a university setting where travel by non-vehicle modes is common.[2]

Table 5
Existing University Mall Remaining Retail Uses – Peak Hour Vehicle Trip Generation

Category	Occupied KSF	AM Peak Hour			PM Peak Hour		
		Total	In	Out	Total	In	Out
Existing University Mall (All uses)	96.436	425	244	181	948	495	456
Trader Joe's	*13.200*	*179*	*92*	*87*	*505*	*255*	*250*
Starbucks	*1.435*	*141*	*73*	*68*	*86*	*41*	*45*
High Trip Generators Subtotal (Trader Joe's + Starbucks)	14.635	320	165	155	591	296	295
Remaining Retail Uses Subtotal (Existing Mall – High Trip Generators)	81.801	105	79	26	357	199	158
Remaining Retail Uses Vehicle Trip Rate	**81.801**	**1.28**	**75%**	**25%**	**4.36**	**56%**	**44%**
Remaining Retail Uses Vehicle Trip Rate Adjusted for Increased Shopping Center Size		**1.03**			**3.93**		

Source: Fehr & Peers, 2018.

Trip generation data from the ITE *Trip Generation Manual* indicates that vehicle trip rates gradually decrease as the size of a shopping center increases. This occurs as a result of more complementary uses being present on-site. Thus, since the proposed project would increase the amount of total retail space on-site, it is appropriate to adjust the trip rates shown in Table 5 to reflect the marginal increase in internalized retail-to-retail trips.

[2] For comparison, according to the ITE *Trip Generation Manual, 10th Edition* published rates for Land Use Category 820 (Shopping Center), a shopping center with 81.801 occupied KSF would generate 2.36 vehicle trips per occupied KSF during the AM peak hour and 5.72 vehicle trips per occupied KSF during the PM peak hour (fitted curve equivalents). Note that these ITE rates were derived from shopping center sites surveyed in general urban/suburban settings nationwide and would therefore be expected to exhibit greater use of vehicle modes compared to the University Mall site.

With adjustments for internalization, the AM and PM peak hour vehicle trip rates for the project's remaining retail uses would be 1.03 and 3.93 vehicle trips per hour, respectively. Note that vehicle trip rates observed for Trader Joe's and Starbucks (or an equivalent coffee shop assumed as part of the project) are maintained separate from this process (see below).

Additional adjustments for internalization due to the proposed co-location of residential and commercial uses are not warranted since the base vehicle trip rates were derived from observed data collected from the existing University Mall and neighboring Sycamore Lane Apartments, and therefore already capture travel behavior that approximate internalization activity (e.g., shift to non-motorized modes).

Step 4 Calculate peak hour and daily vehicle trip generation for project commercial component.

Table 6 summarizes the estimated number of peak hour vehicle trips that would be generated by the commercial component of the proposed project. The commercial component of the project would generate an estimated 459 AM peak hour and 1,122 PM peak hour vehicle trips.

Table 6
Project Commercial Component – Peak Hour Vehicle Trip Generation

Category	Occupied KSF	AM Peak Hour			PM Peak Hour		
		Total	In	Out	Total	In	Out
Trader Joe's[1]	13.200	179	92	87	505	255	250
Starbucks or Equivalent[2]	1.435	141	73	68	86	41	45
Remaining Retail Uses[3]	135.365	139	105	34	531	296	235
Project Commercial Component	**150.000**	**459**	**270**	**189**	**1,122**	**592**	**530**

Notes:
[1] Derived from existing University Mall Trader Joe's observed peak hour vehicle trip generation.
[2] Derived from existing University Mall Starbucks observed peak hour vehicle trip generation. While the current project description does not explicitly include a Starbucks, the existing University Mall Starbucks is successful, and it or an equivalent coffee shop use would presumably be included as an element of the redeveloped University Mall.
[3] Calculated as follows based on the adjusted vehicle trip rates to reflect increased internal trips associated with larger shopping center size:
AM Peak Hour T = 1.03(X), with 75% inbound and 25% outbound.
PM Peak Hour T = 3.93(X), with 56% inbound and 44% outbound.
Where T = trip ends and X = occupied KSF.

Source: Fehr & Peers, 2018.

The ITE *Trip Generation Manual, 10th Edition*, can be utilized to estimate the daily vehicle trips that would be generated by the commercial component of the proposed project. Similar to the methodology utilized for the project residential component, this process entails applying a factor to the observed peak hour trip rates from the existing University Mall to estimate the daily trip rate. Hourly-to-daily factors are provided in Appendix A of the ITE *Trip Generation Manual* for comparable land use categories. The following ITE land use categories were utilized for this process because they

most closely correspond with the individual elements of the commercial component of the proposed project, including the Trader Joe's, Starbucks, and remaining retail uses:

- ITE Land Use Category 850 – Supermarket (Trader Joe's)
- ITE Land Use Category 936 – Coffee/Donut Shop without Drive-Through Window (Starbucks)
- ITE Land Use Category 820 – Shopping Center (Remaining Retail Uses)

Using this factoring process, the 150 occupied KSF commercial component of the project would generate an estimated 14,387 daily gross vehicle trips. It is important to reiterate that this process does not rely directly on ITE trip rates; rather, it applies the hourly to daily ratios for these land use categories from the *Trip Generation Manual* to the empirically observed trip data at University Mall. In other words, it is adjusted to more accurately reflect observed conditions from the site.

Project Vehicle Trip Generation Summary

Step 5. Calculate total vehicle trip generation for the project.

Table 7 summarizes the estimated project AM peak hour, PM peak hour, and daily vehicle trip generation based on the procedures described above. The project would generate an estimated 528 AM peak hour, 1,215 PM peak hour, and 16,077 daily gross vehicle trips. When accounting for vehicle trips currently generated by the existing University Mall, the project would generate an estimated 103 AM peak hour, 267 PM peak hour, and 3,642 daily gross vehicle trips beyond what University Mall currently generates today.

Table 7
University Mall Redevelopment Project – Vehicle Trip Generation

Category	Units	Daily	AM Peak Hour			PM Peak Hour		
		Total	Total	In	Out	Total	In	Out
Residential Component	622 bedrooms	1,690	69	20	49	93	39	54
Commercial Component	150.000 occ. KSF	14,387	459	270	189	1,122	592	530
Project Total (Gross)		**16,077**	**528**	**290**	**238**	**1,215**	**631**	**584**
Existing University Mall	96.436 occ. KSF[1]	-12,435	-425	-244	-181	-948	-495	-453
Project Total (Gross Increase)		**3,642**	**103**	**46**	**57**	**267**	**136**	**131**

Note:
[1] Includes existing Trader Joe's and all other occupied space at the existing University Mall.
Source: Fehr & Peers, 2018.

Table 8 summarizes the estimated project AM peak hour, PM peak hour, and daily net new vehicle trip generation resulting from pass-by trip adjustments. Pass-by trips are trips already on the network that are diverted to and from a commercial or retail land use, and therefore would not be considered as new trips generated by the project., The pass-by trip adjustments represent 34 percent of the gross increase in project vehicle trips attributed to the project commercial component only. This adjustment factor is based on data provided in the ITE *Trip Generation Handbook* for shopping center land uses.

When accounting for pass-by trips, the project would generate an estimated 91 AM peak hour, 208 PM peak hour, and 2,978 daily net new vehicle trips. These figures represent the total new vehicle trips generated by the project that would be added to the surrounding roadway network.

Table 8
University Mall Redevelopment Project – Pass-By Trip Adjustment

Category	Daily	AM Peak Hour			PM Peak Hour		
	Total	Total	In	Out	Total	In	Out
Project Total (Gross Increase)	3,642	103	46	57	267	136	131
Project Total (Pass-By)[1]	-664	-12	-9	-3	-59	-33	-26
Project Total (Net Increase in New Trips)[2]	**2,978**	**91**	**37**	**54**	**208**	**103**	**105**

Notes:
[1] Calculated as 34 percent of the gross increase in project vehicle trips attributed to the project commercial component only.
[2] Represents the total new vehicle trips generated by the project that would be added to the surrounding roadway network.
Source: ITE *Trip Generation Handbook*, 2017; Fehr & Peers, 2018.

Project Mode Choice

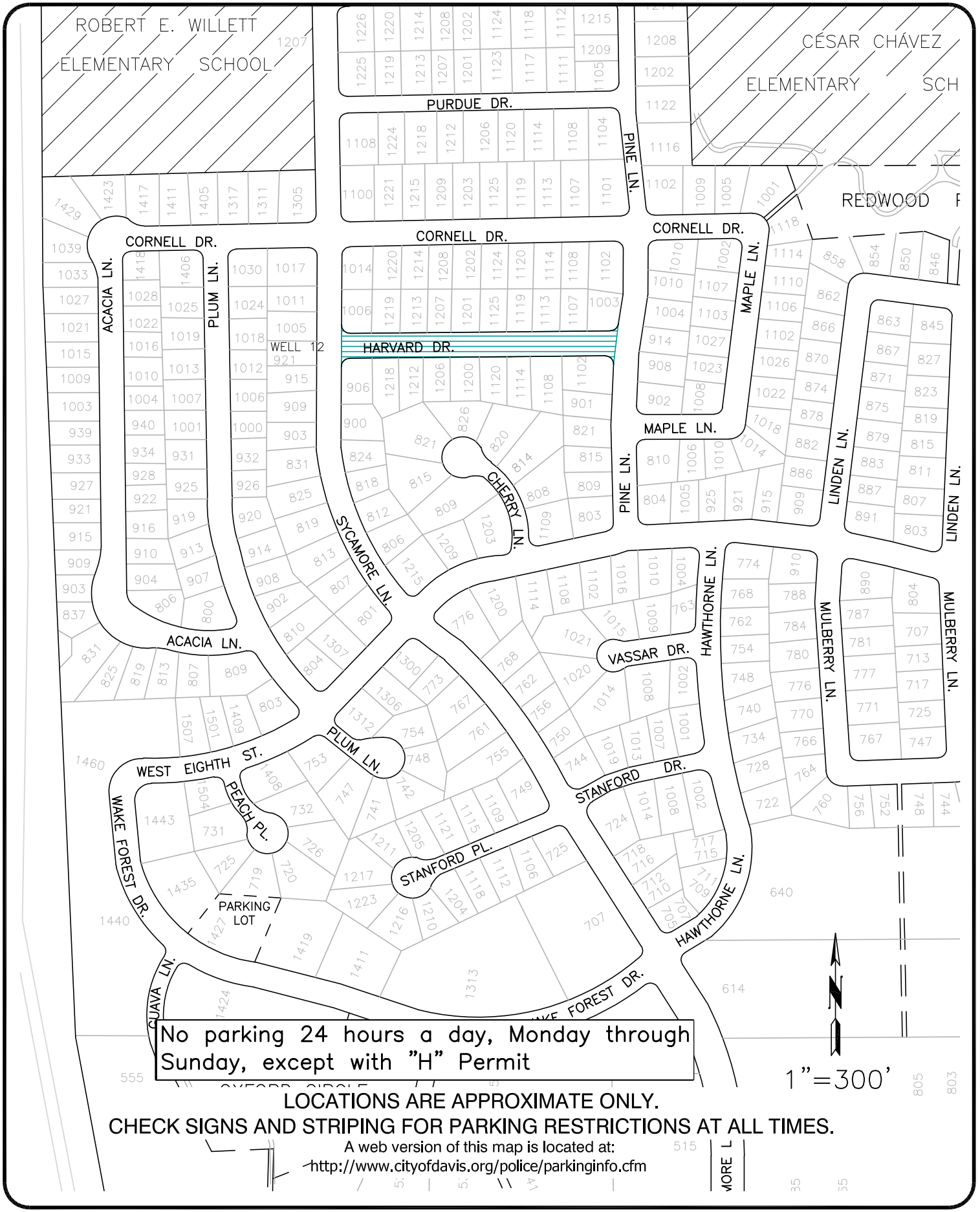
Step 6. Utilize local data to estimate peak hour mode choice for the project.

Project travel mode choice during the AM and PM peak hours was estimated based on peak period field observations and person trip generation counts conducted at the Sycamore Lane Apartments and existing University Mall. **Table 9** summarizes the estimated mode choice for peak hour person trips generated by the project.

Table 9
University Mall Redevelopment Project – Peak Hour Mode Choice

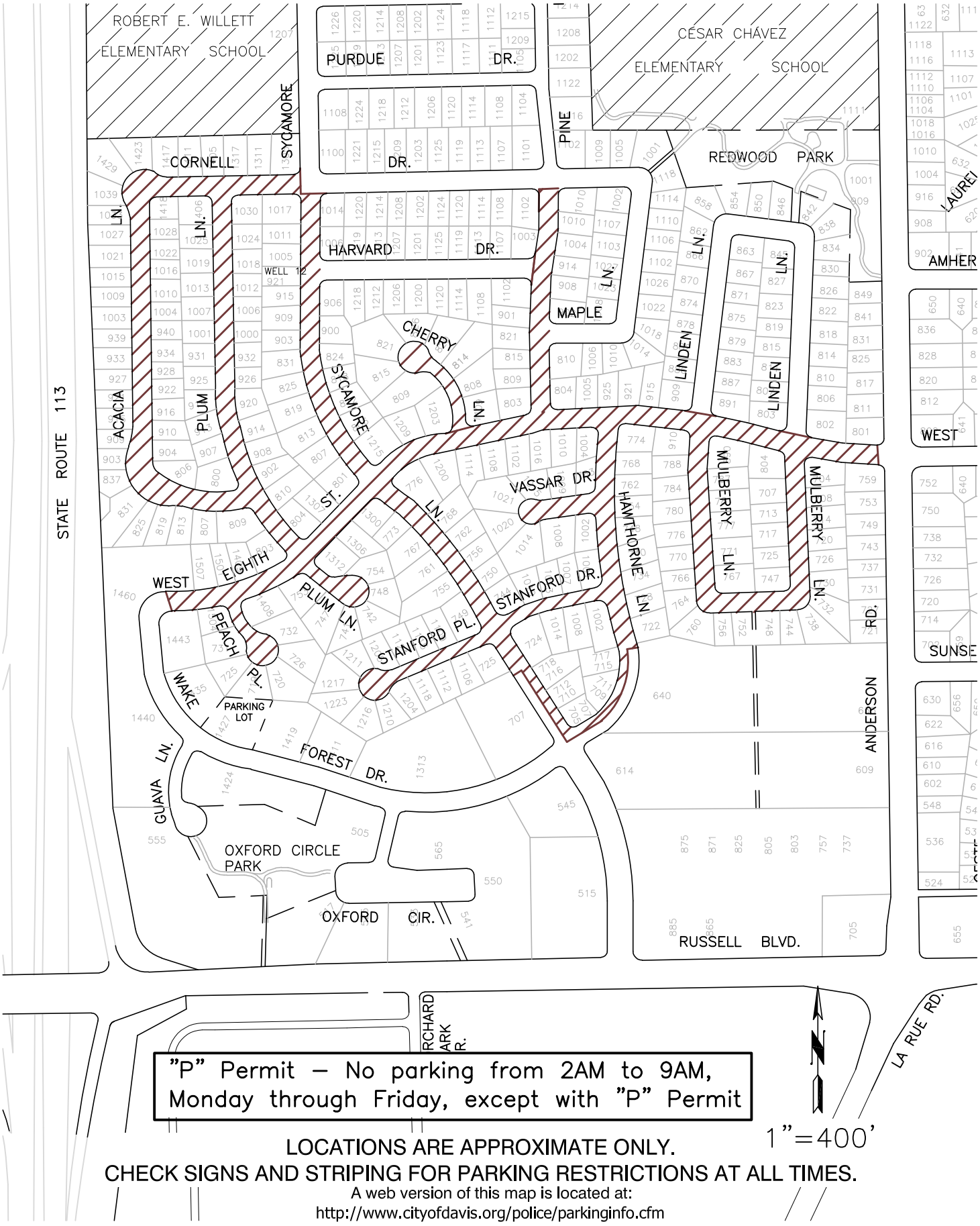
Travel Mode	Residential Component		Commercial Component	
	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour
Walk	18%	28%	10%	13%
Bike	48%	36%	9%	9%
Transit	13%	6%	3%	2%
Drive (Self-Park)	19%	29%	76%	75%
Drive (Ridehail)	2%	1%	2%	1%

Source: Fehr & Peers, 2018.



"H" Preferential Parking Permit Area

CITY OF DAVIS
PUBLIC WORKS DEPARTMENT
As of November 2004

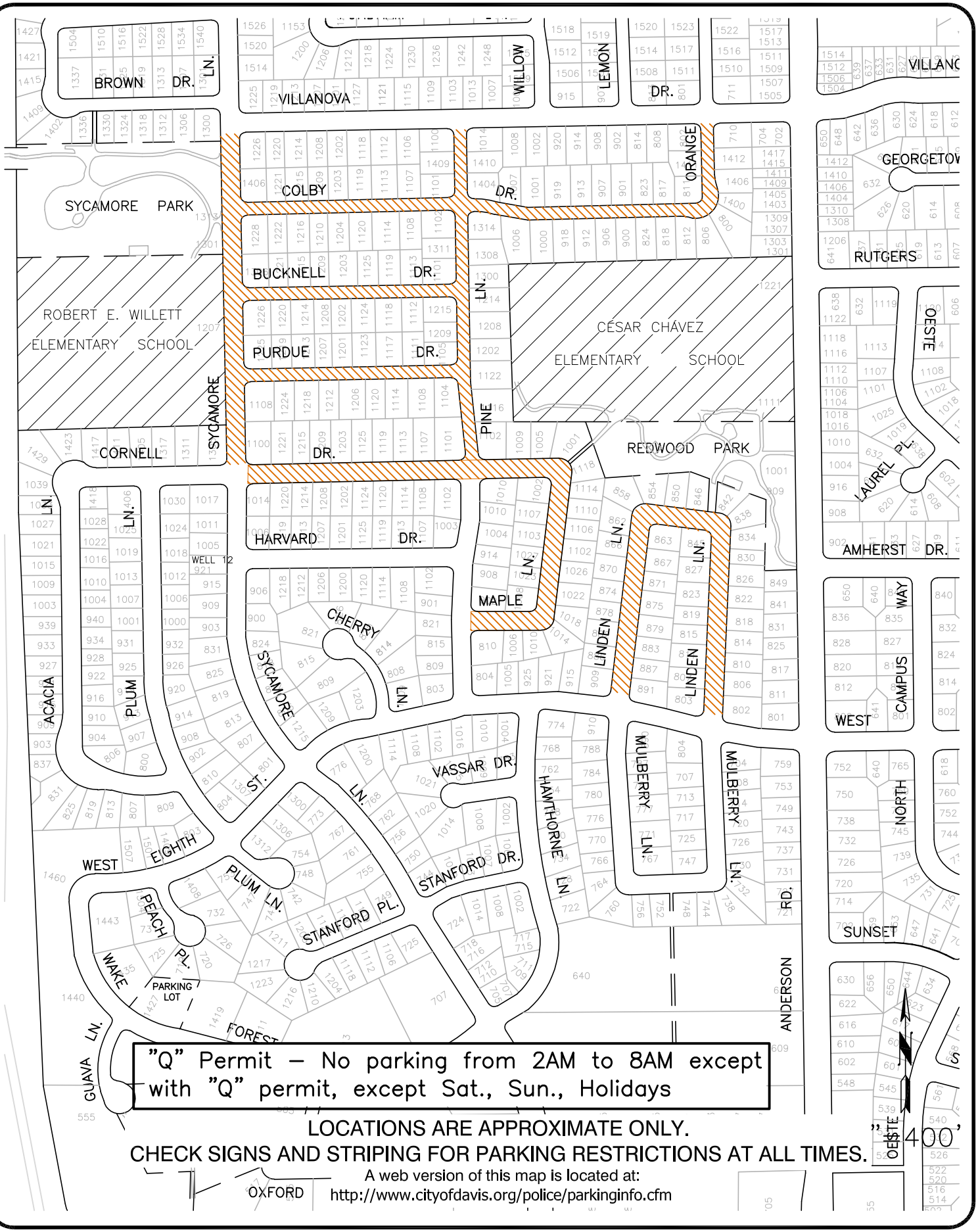


LOCATIONS ARE APPROXIMATE ONLY.
CHECK SIGNS AND STRIPING FOR PARKING RESTRICTIONS AT ALL TIMES.

A web version of this map is located at:
http://www.cityofdavis.org/police/parkinginfo.cfm

"P" Preferential Parking Permit Area

CITY OF DAVIS
PUBLIC WORKS DEPARTMENT
As of November 2004



"Q" Preferential Parking Permit Area

CITY OF DAVIS
PUBLIC WORKS DEPARTMENT
As of November 2004

LOCATIONS ARE APPROXIMATE ONLY.
CHECK SIGNS AND STRIPING FOR PARKING RESTRICTIONS AT ALL TIMES.
A web version of this map is located at:
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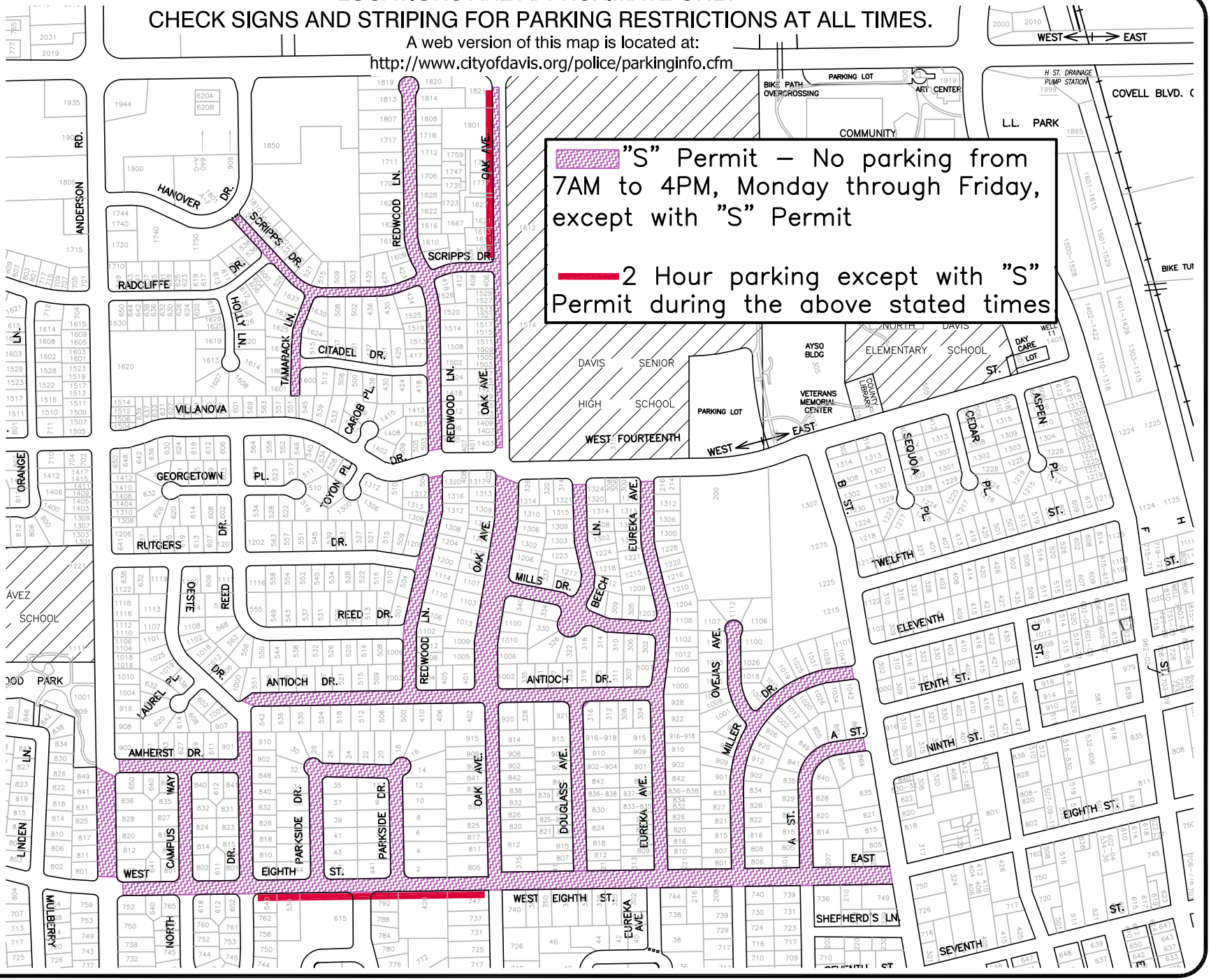
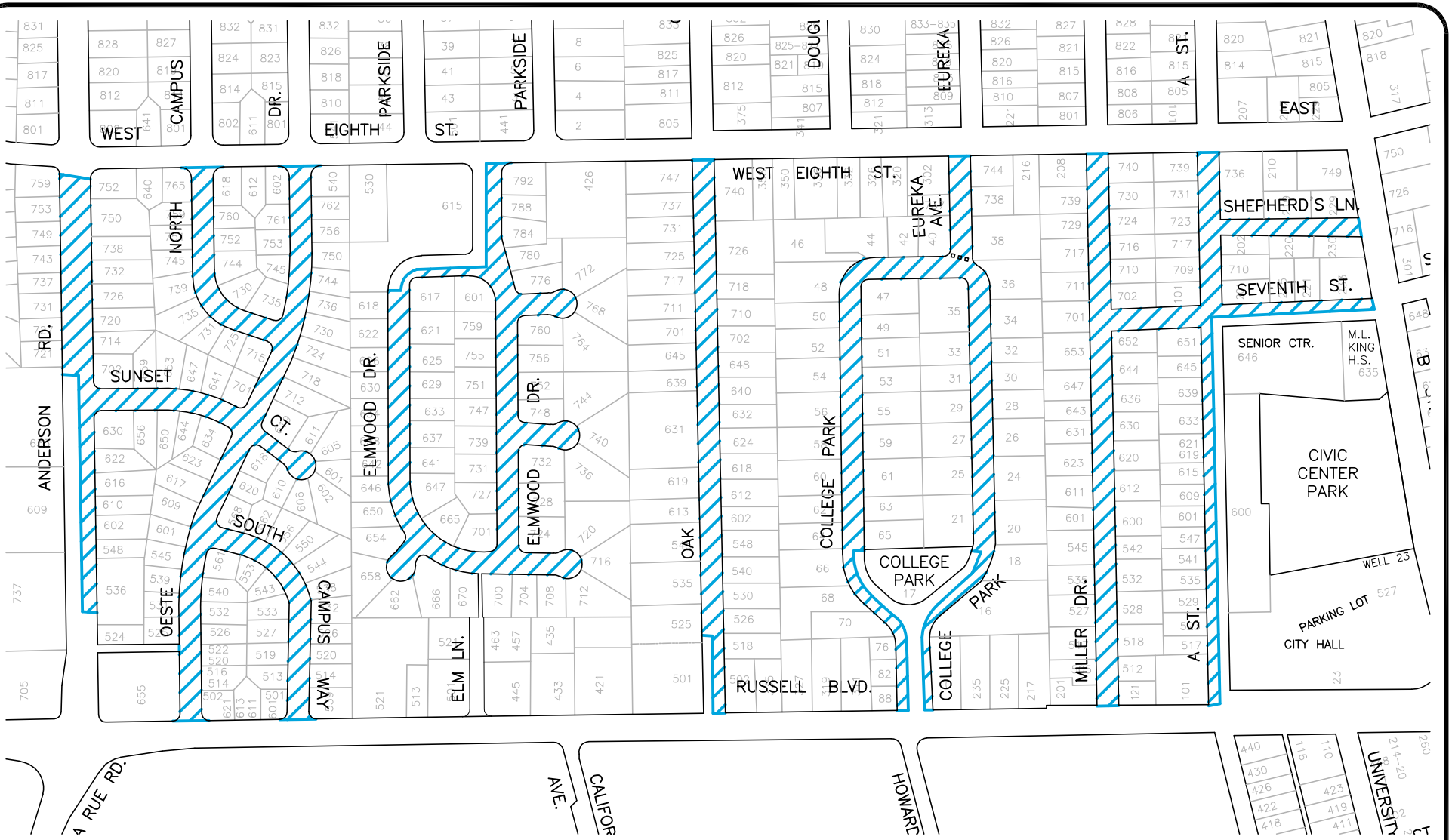


"S" Preferential Parking Permit Area

CITY OF DAVIS
PUBLIC WORKS DEPARTMENT
As of November 2004



"U" Permit – No parking from 8AM to 5PM,
Monday through Friday, except with "U" Permit

A web version of this map is located at:
http://www.cityofdavis.org/police/parkinginfo.cfm

LOCATIONS ARE APPROXIMATE ONLY.
CHECK SIGNS AND STRIPING FOR PARKING RESTRICTIONS AT ALL TIMES.

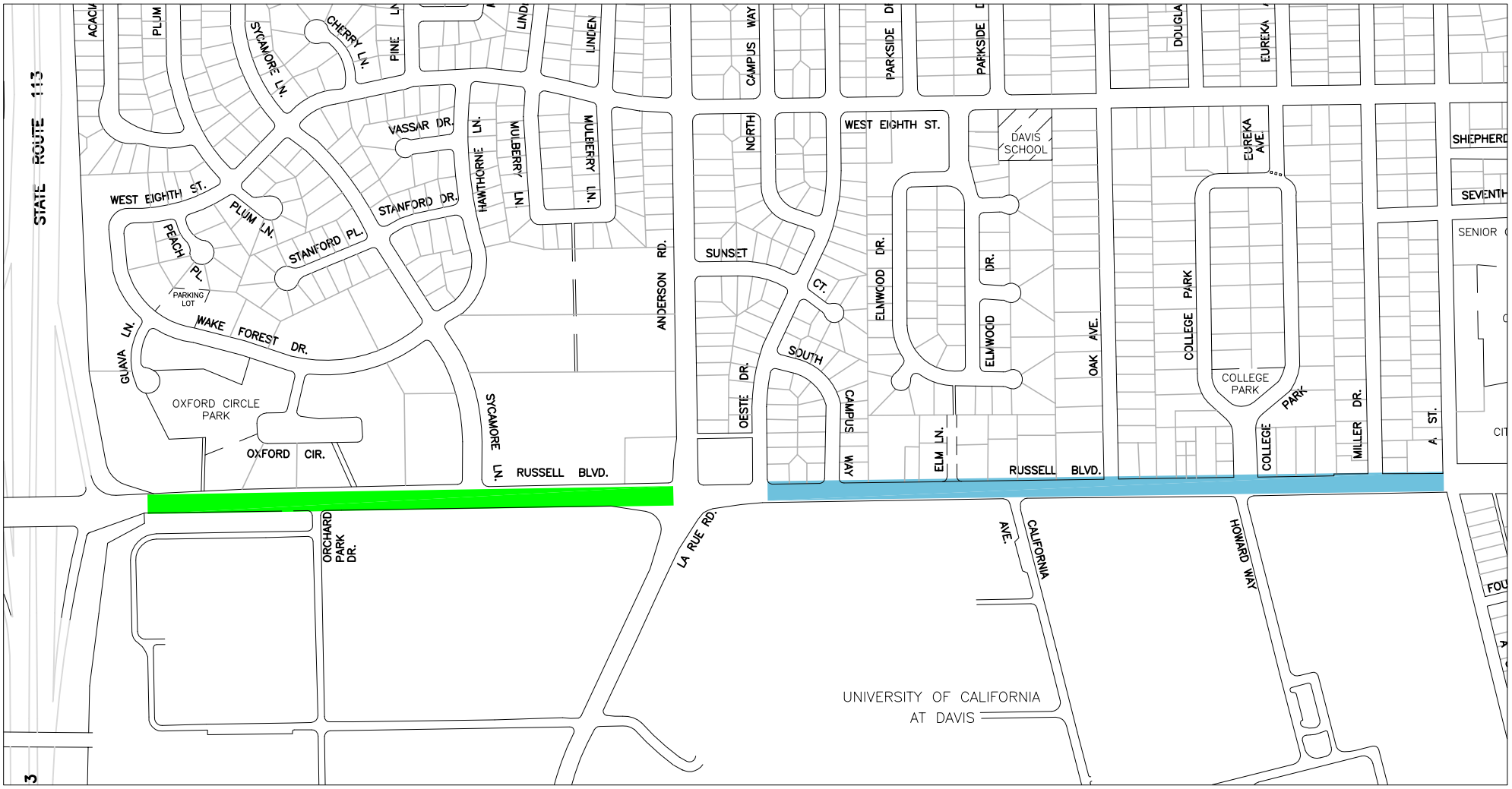
1"=400'

"U" Preferential Parking Permit Area

CITY OF DAVIS
PUBLIC WORKS DEPARTMENT
As of November 2004

Downtown Parking Designations

PARKING RESTRICTIONS FOR STREET SWEEPING



NO PARKING FRI 2AM - 6AM

NO PARKING THU 2AM - 6AM

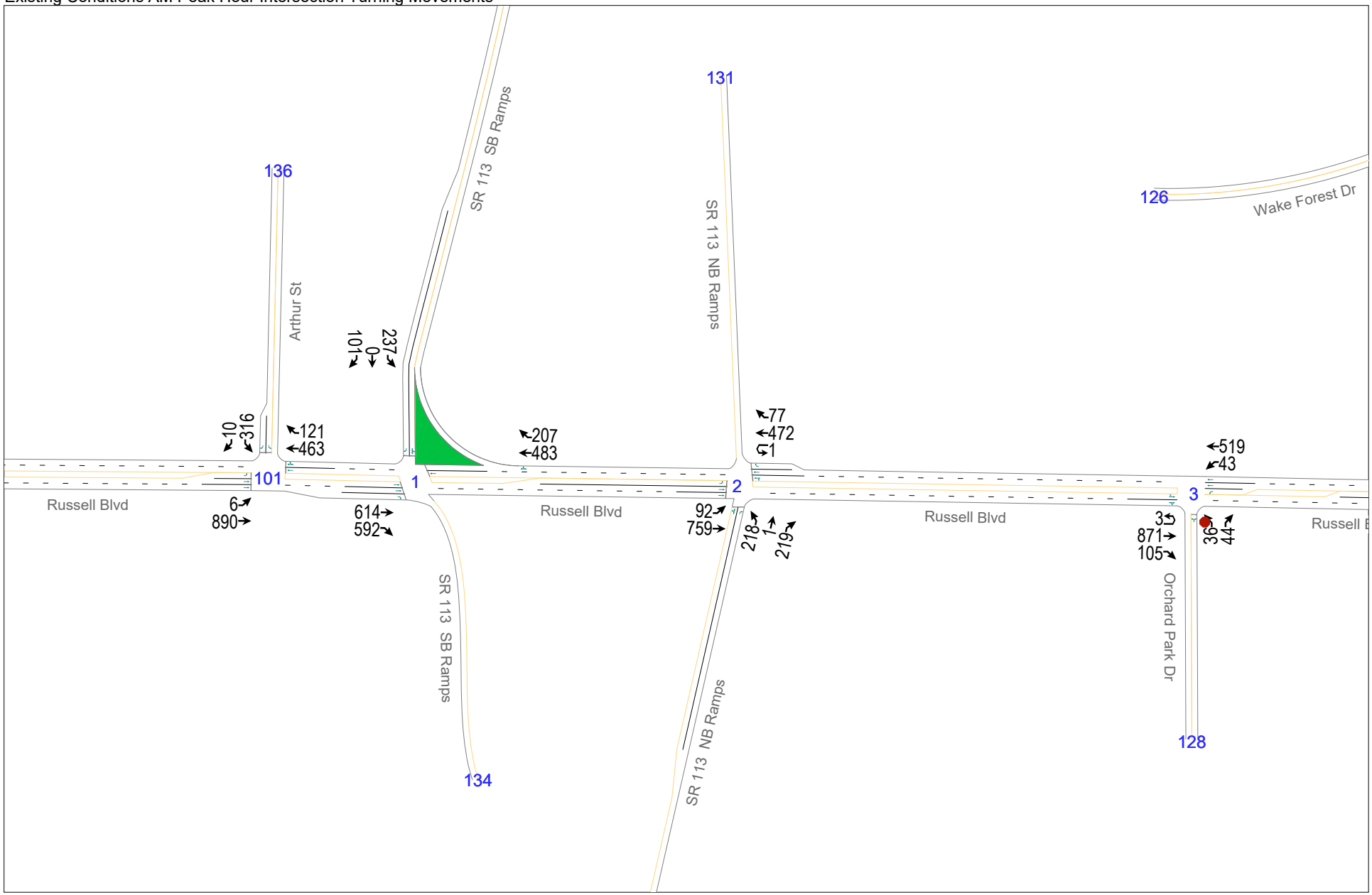
1"=600'

LOCATIONS ARE APPROXIMATE ONLY.
CHECK SIGNS AND STRIPING FOR PARKING RESTRICTIONS AT ALL TIMES.

A web version of this map is located at:
http://www.cityofdavis.org/police/parkinginfo.cfm

Updated March 2007

Existing Conditions AM Peak Hour Intersection Turning Movements



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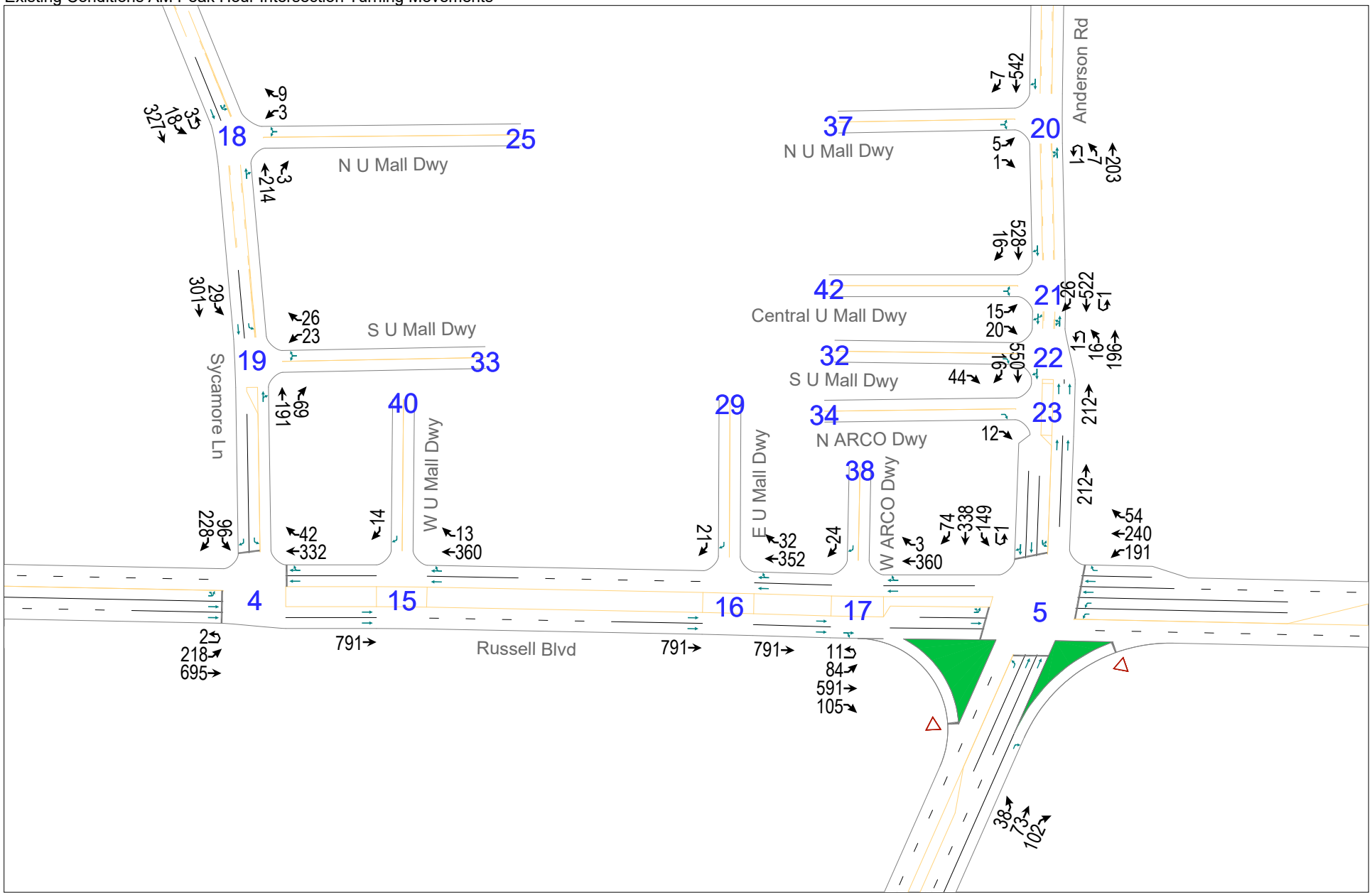
Existing Conditions AM Peak Hour Intersection Turning Movements



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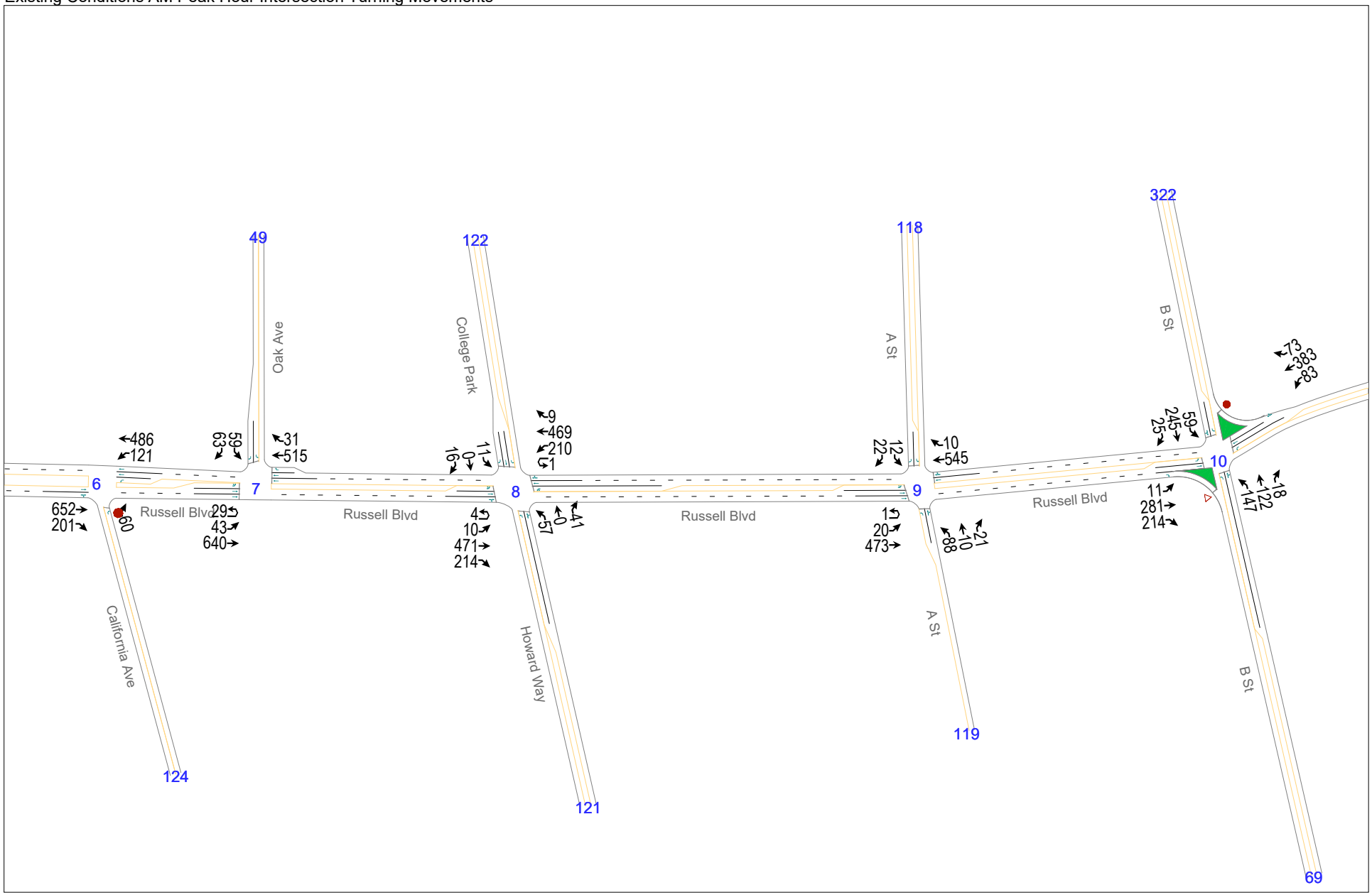

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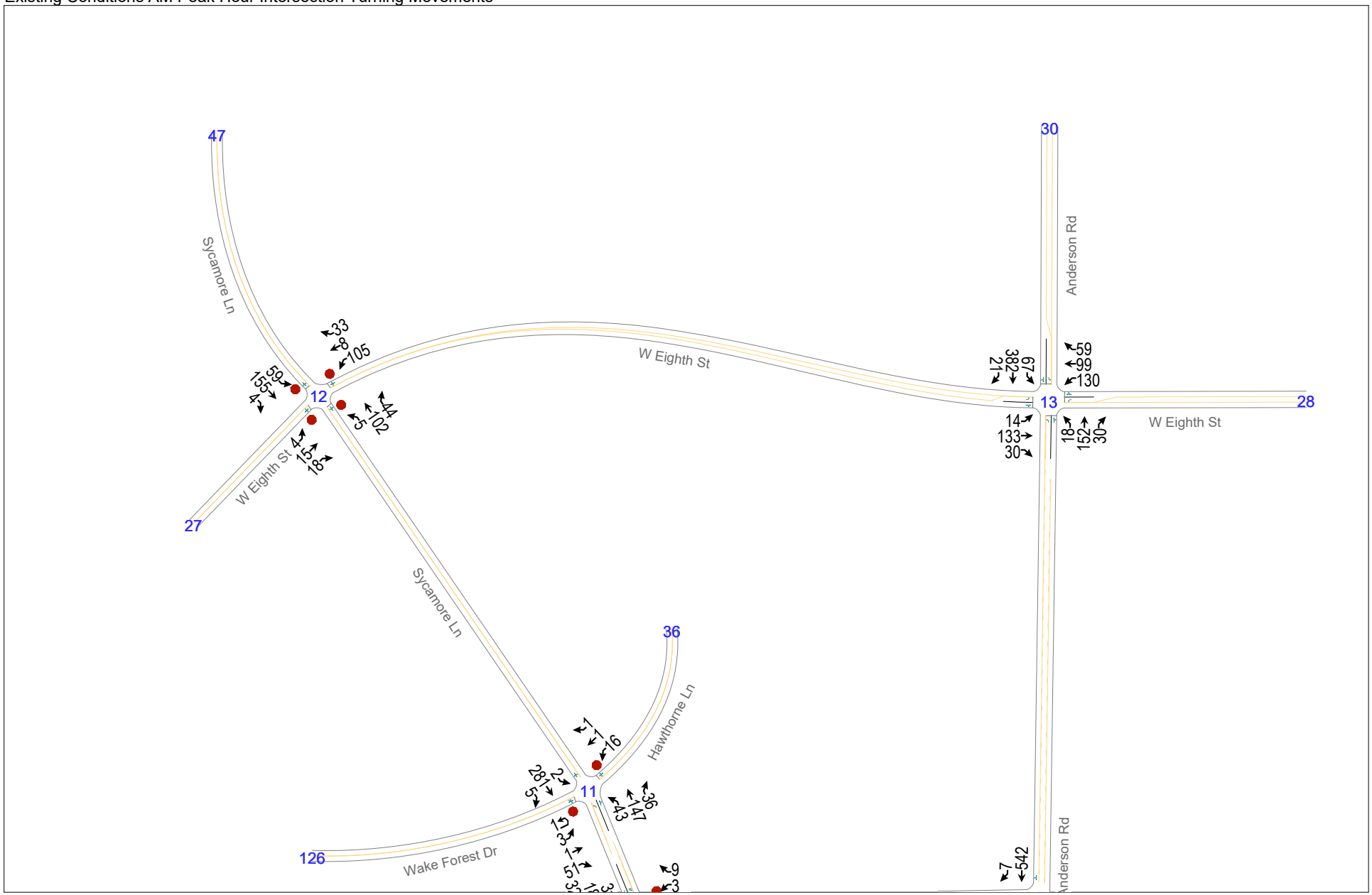

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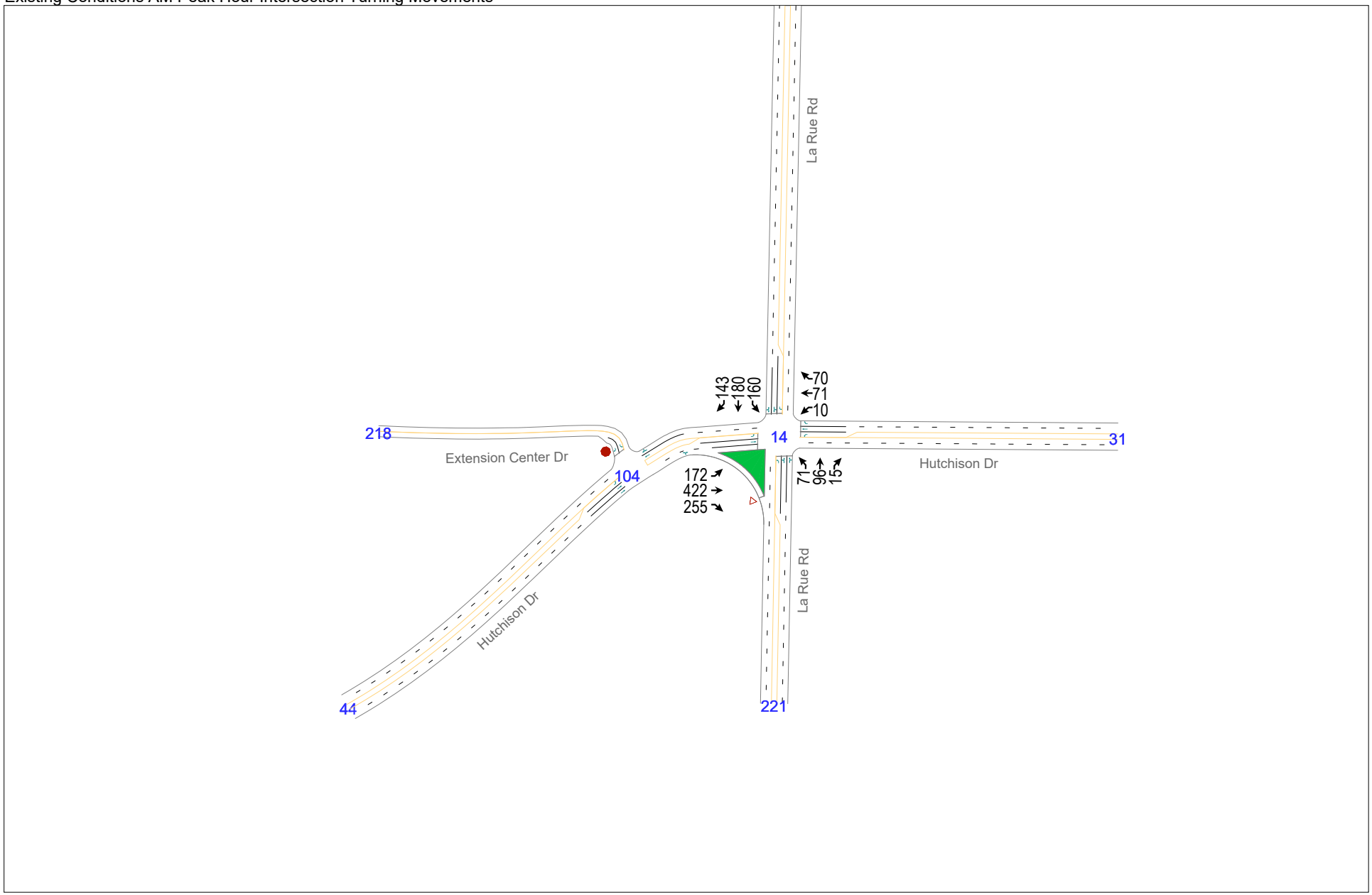

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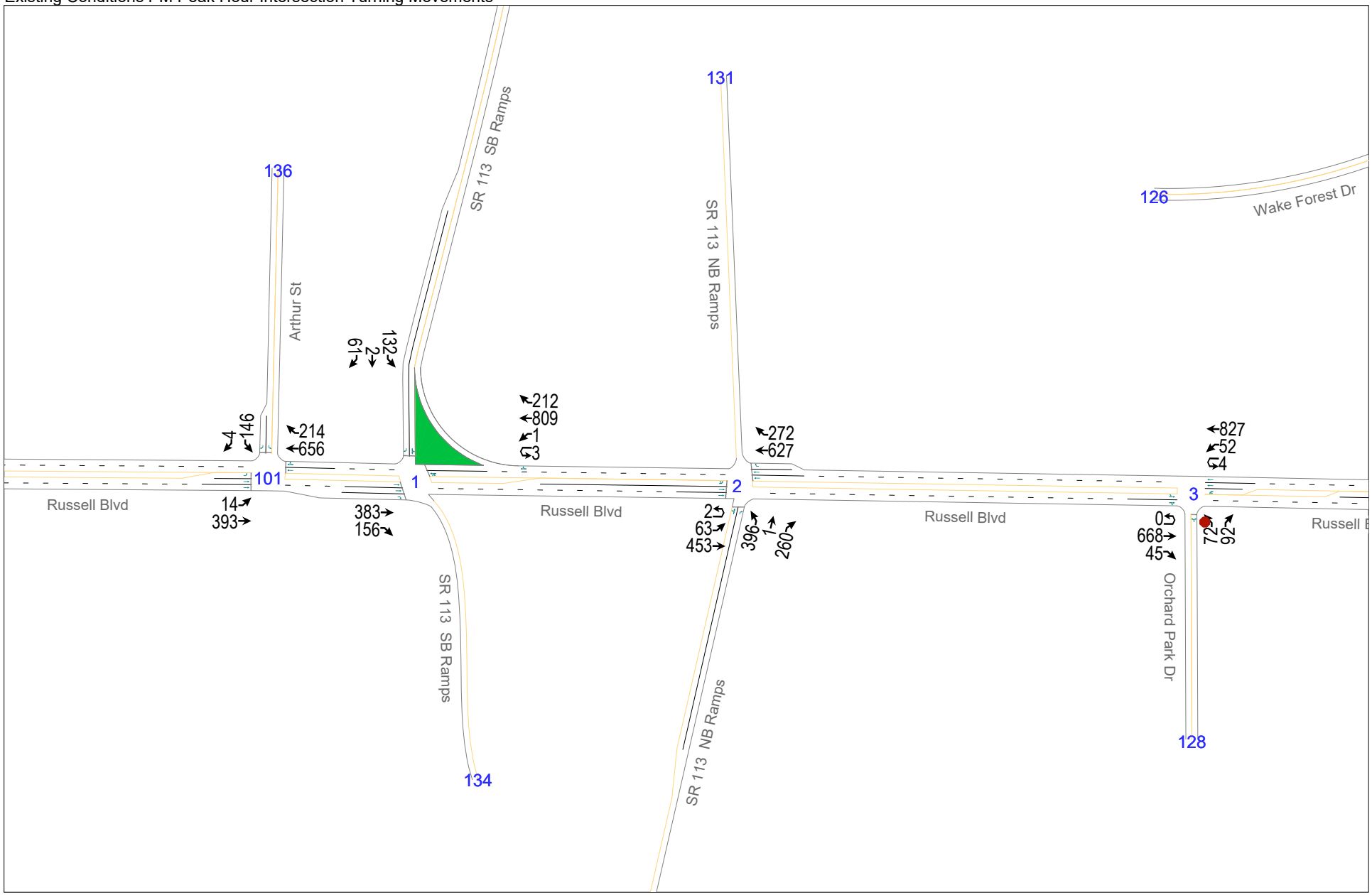

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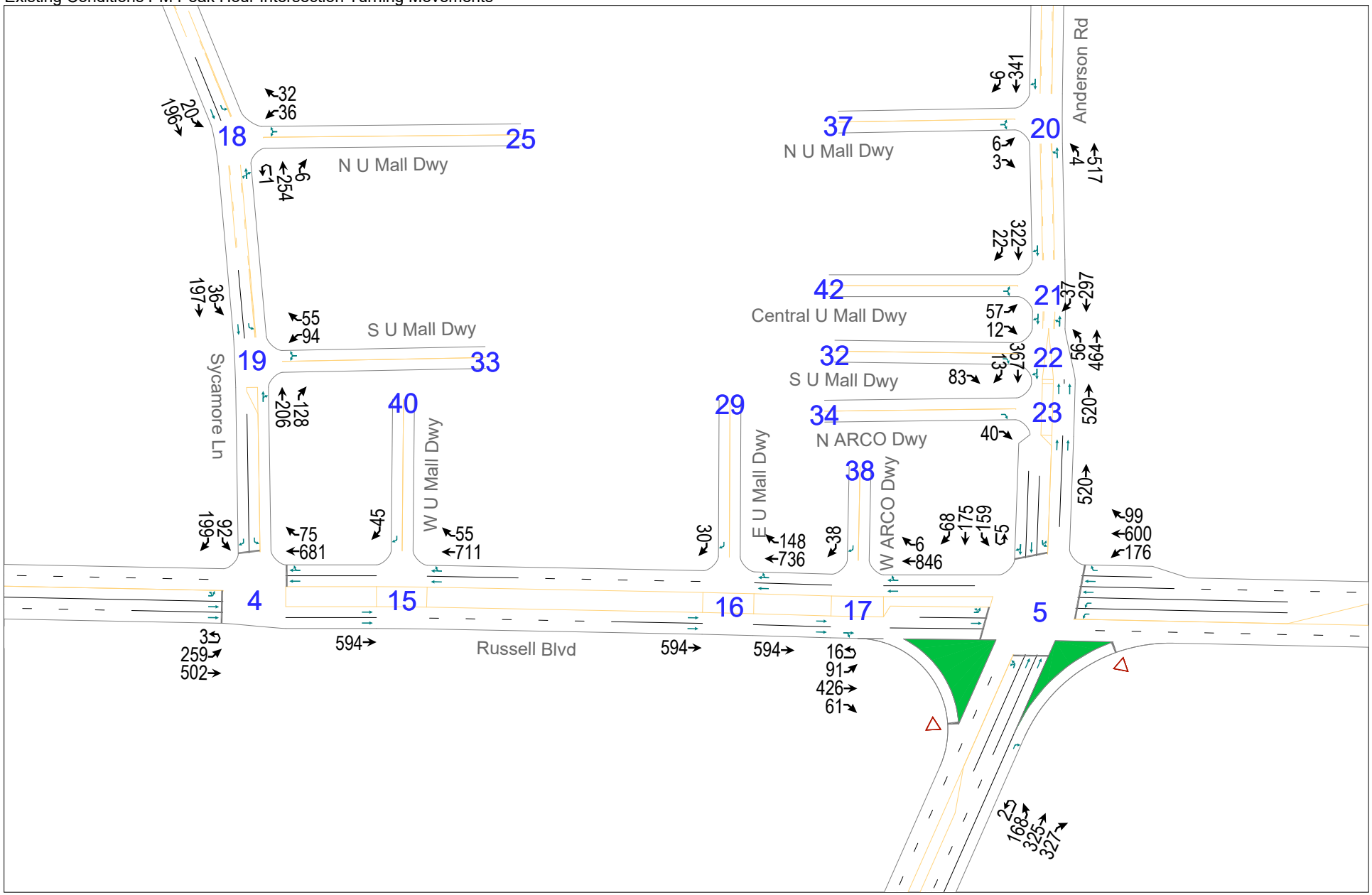

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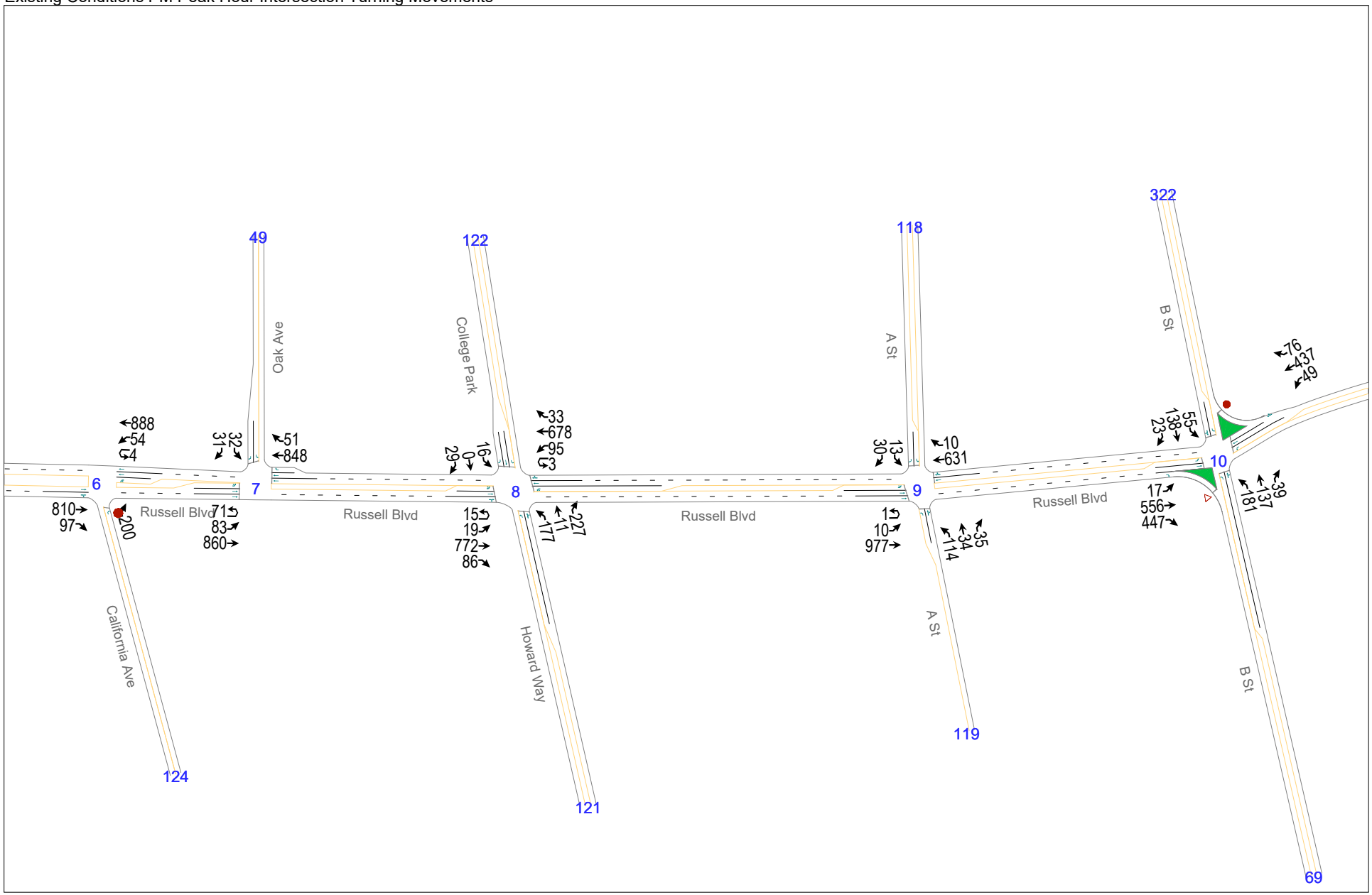

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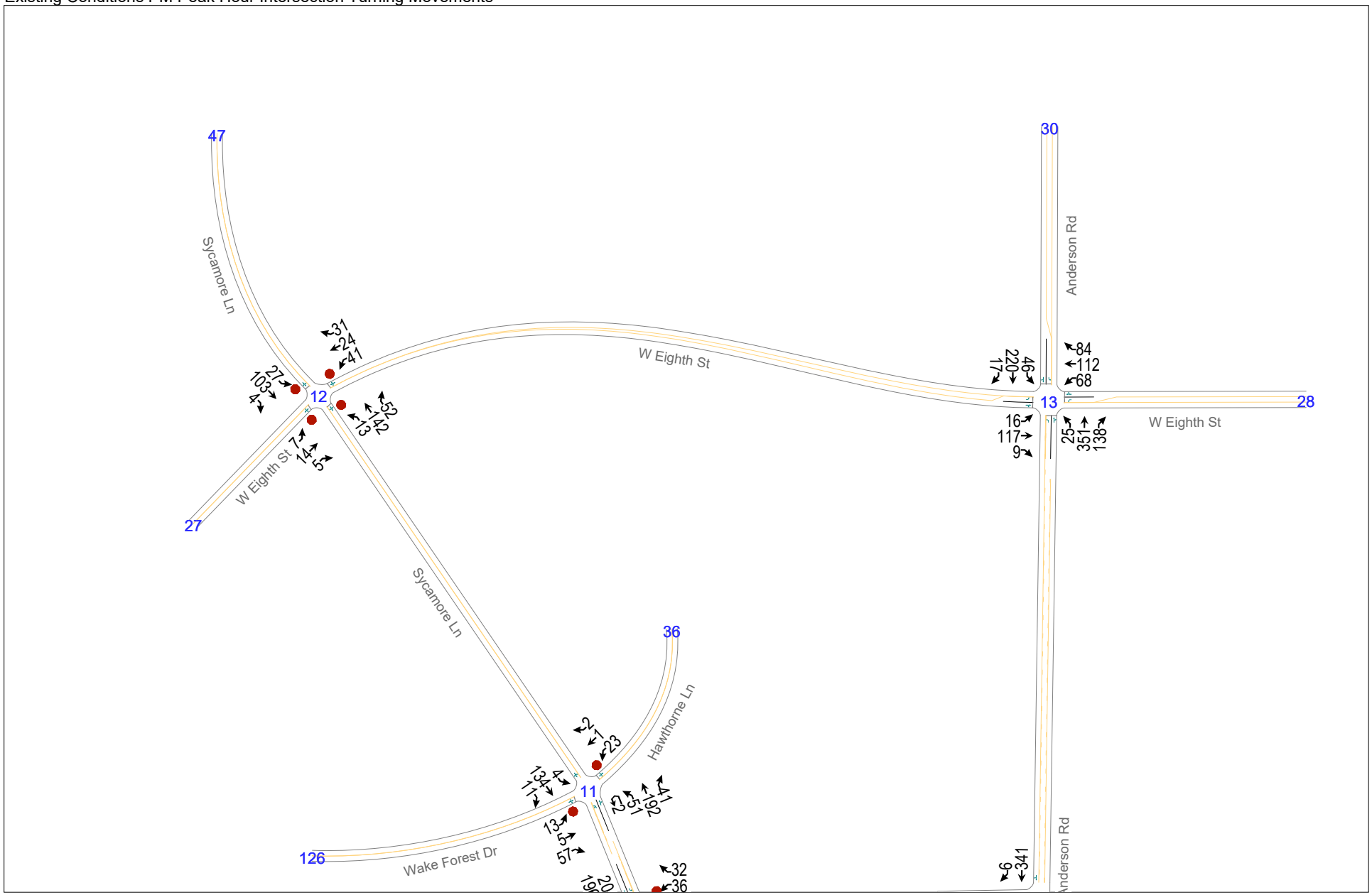

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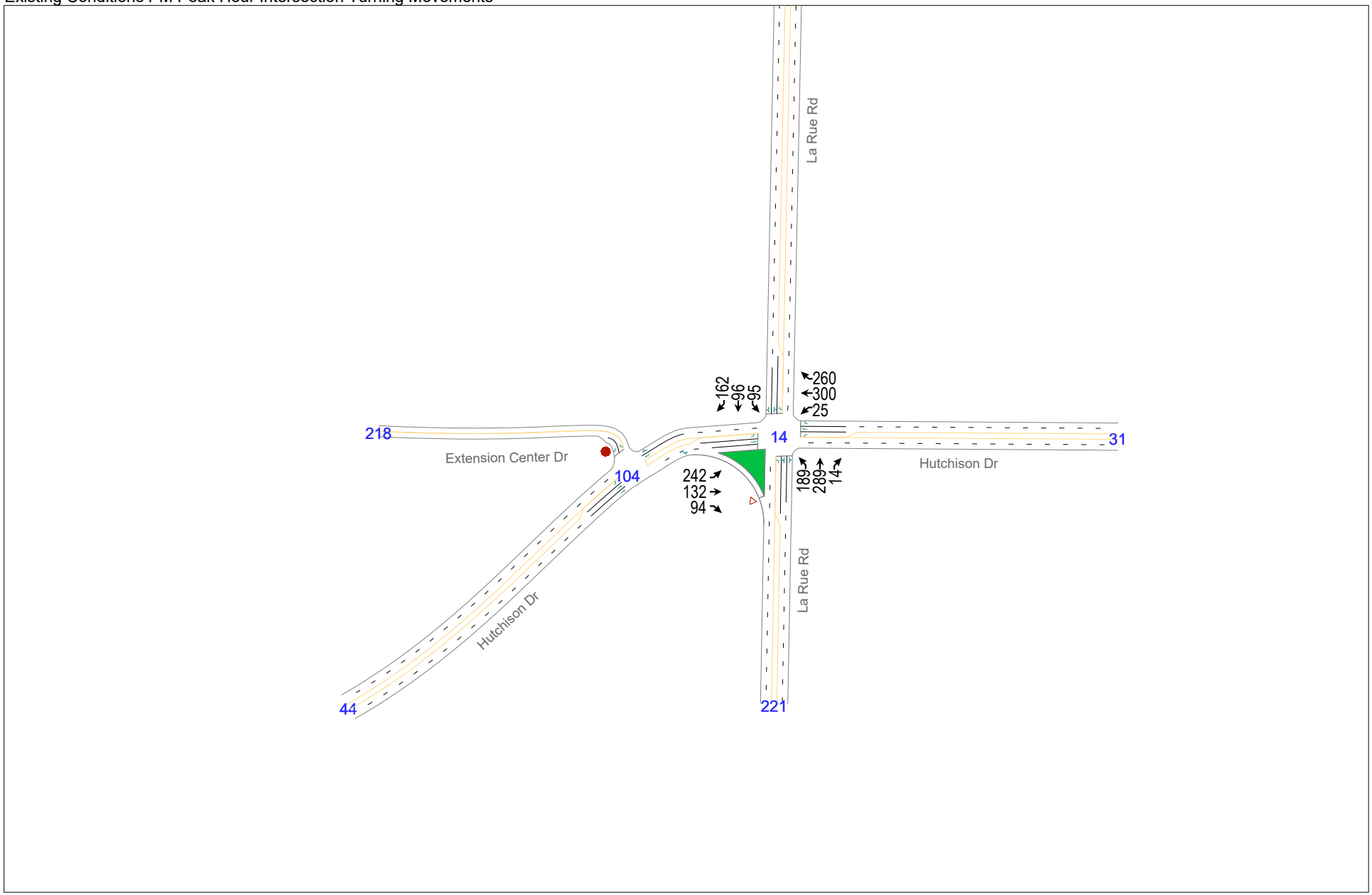

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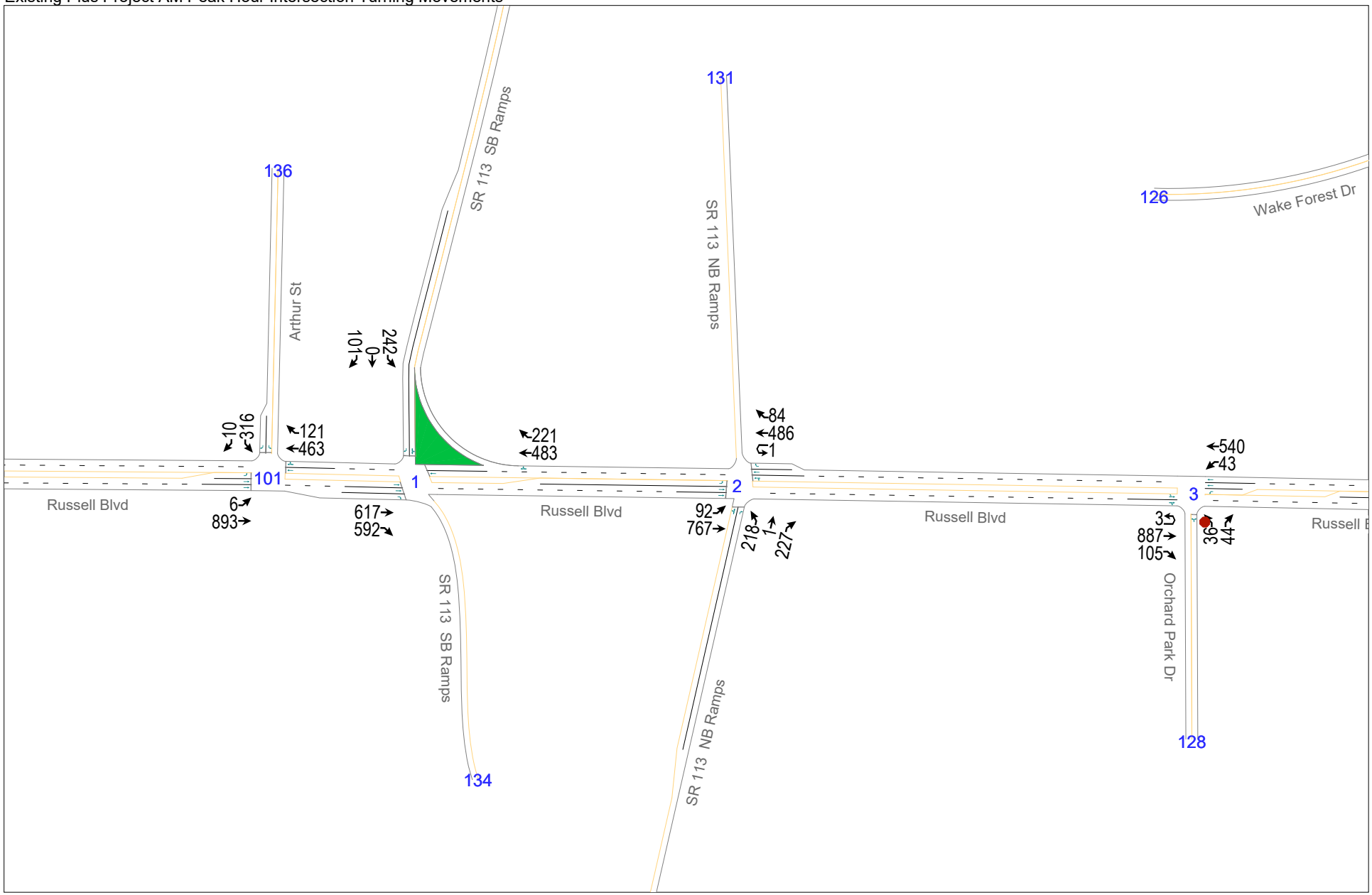
Existing Plus Project AM Peak Hour Intersection Turning Movements



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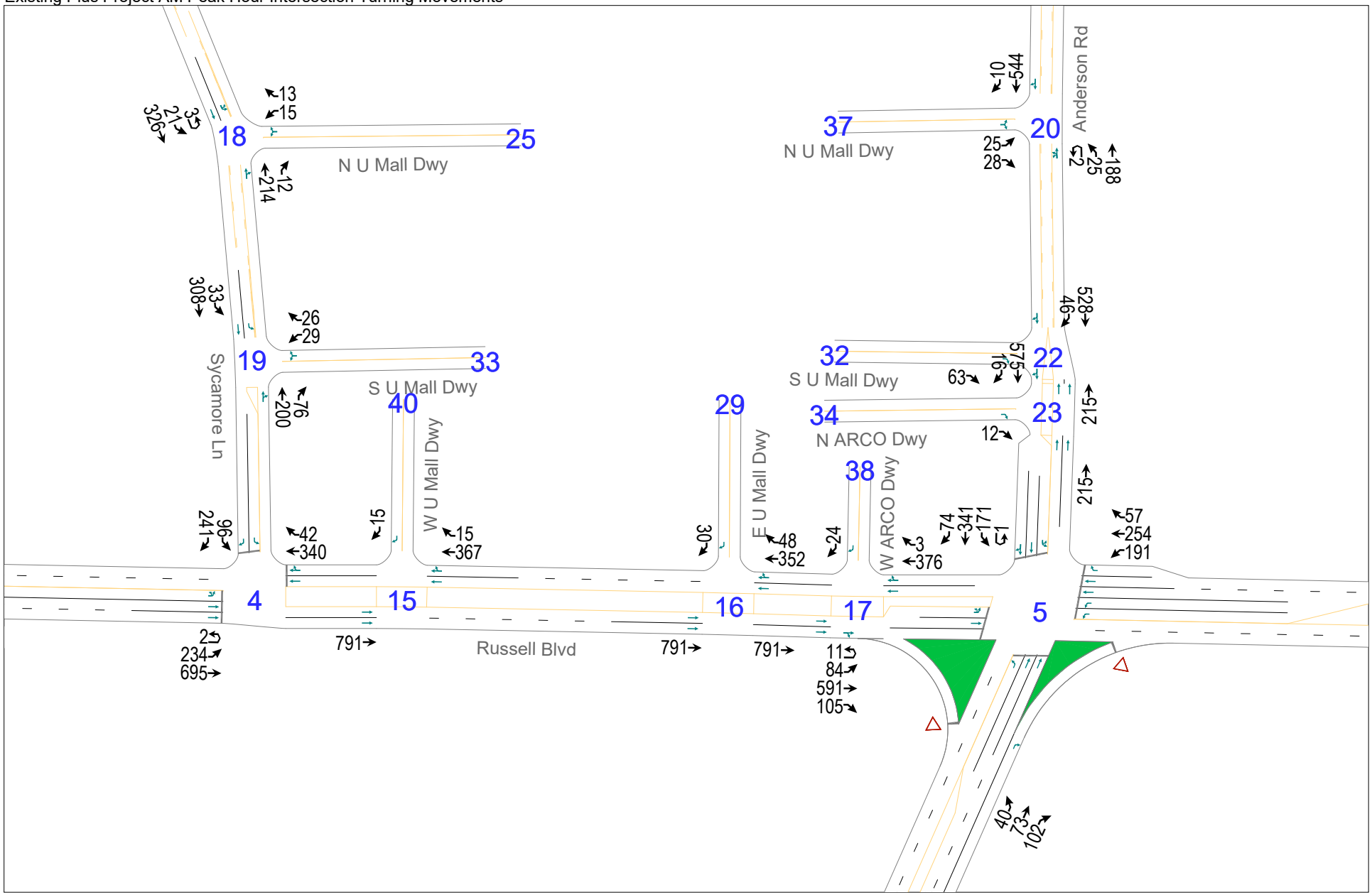

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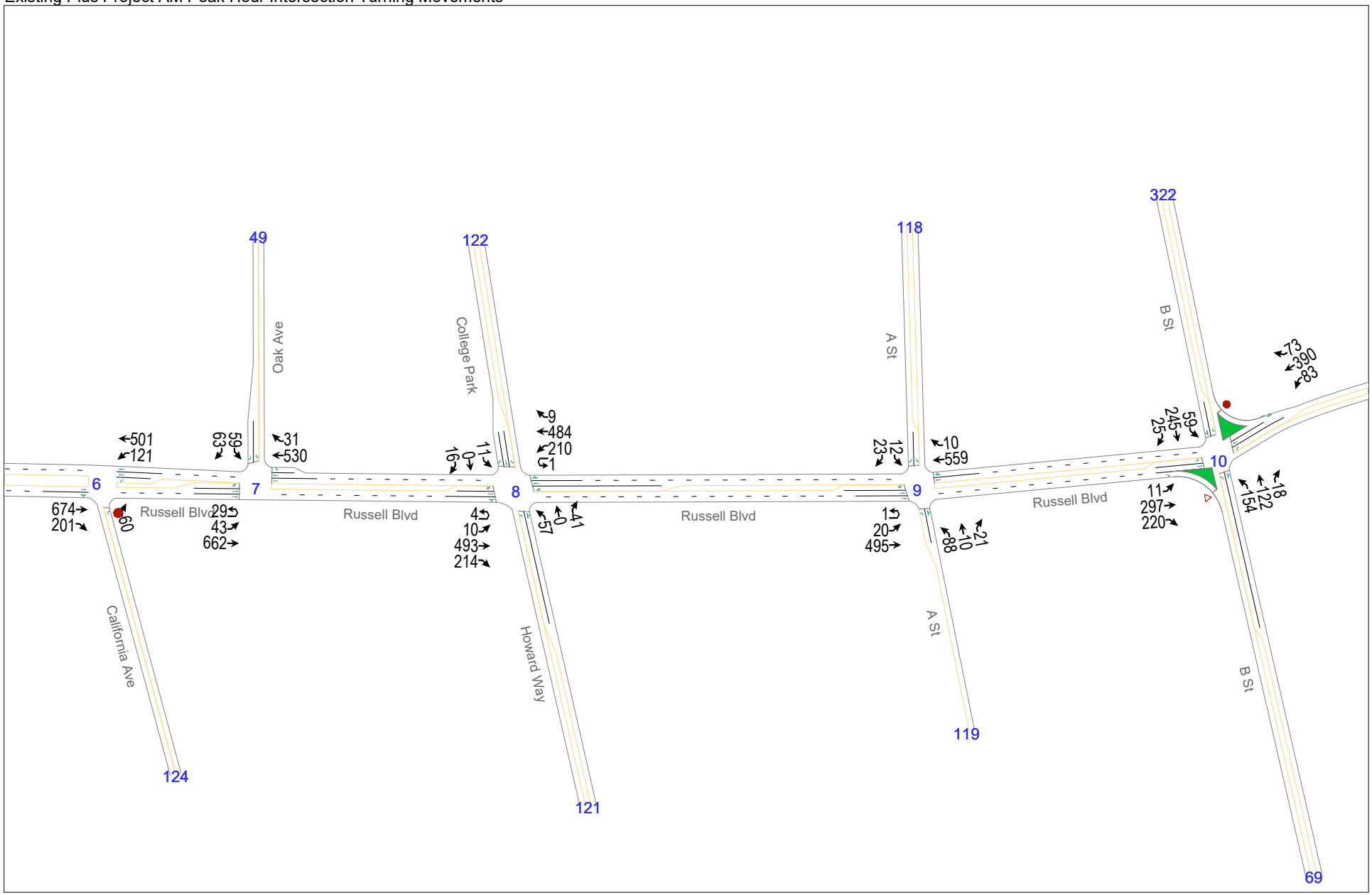

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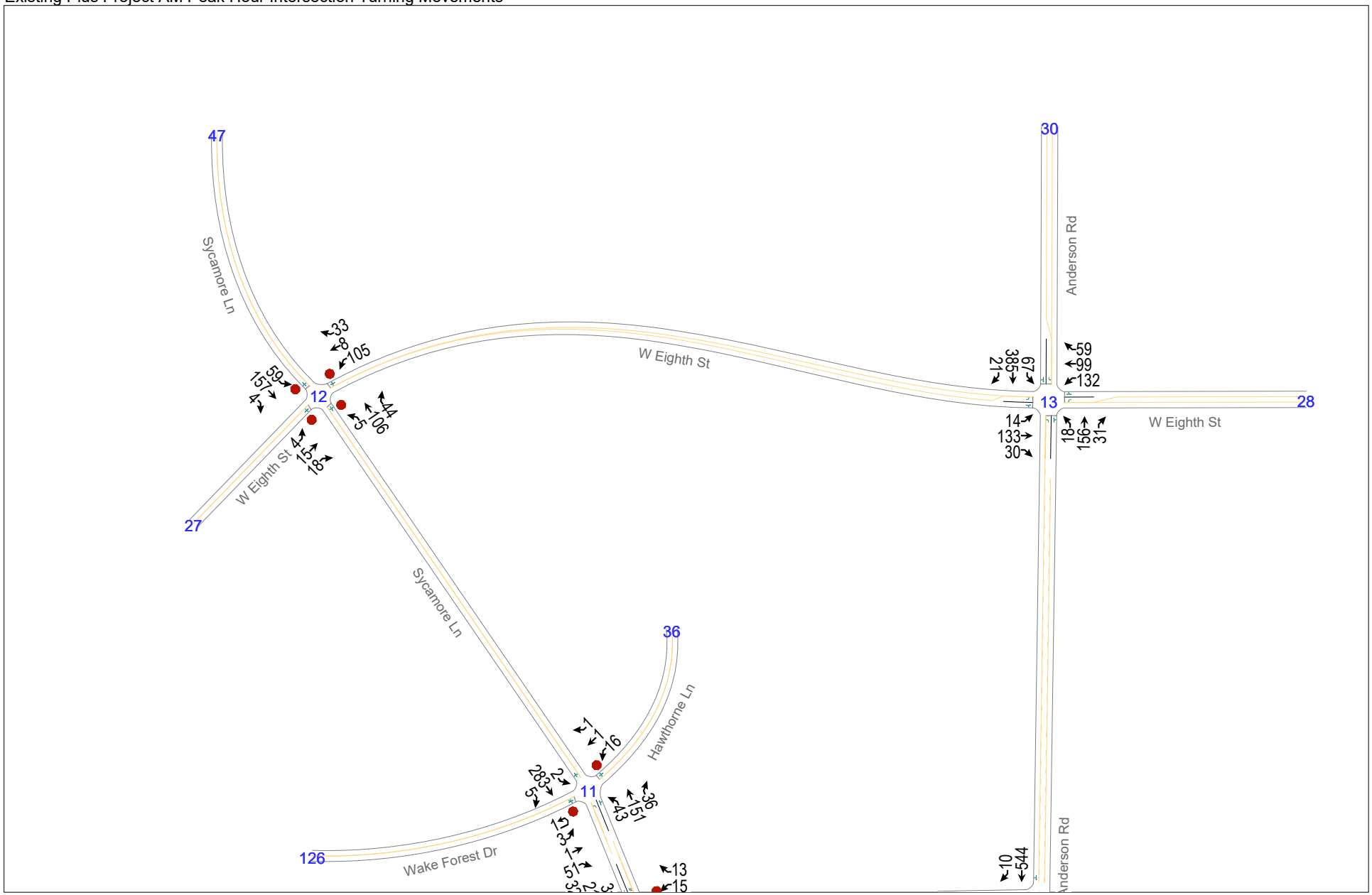

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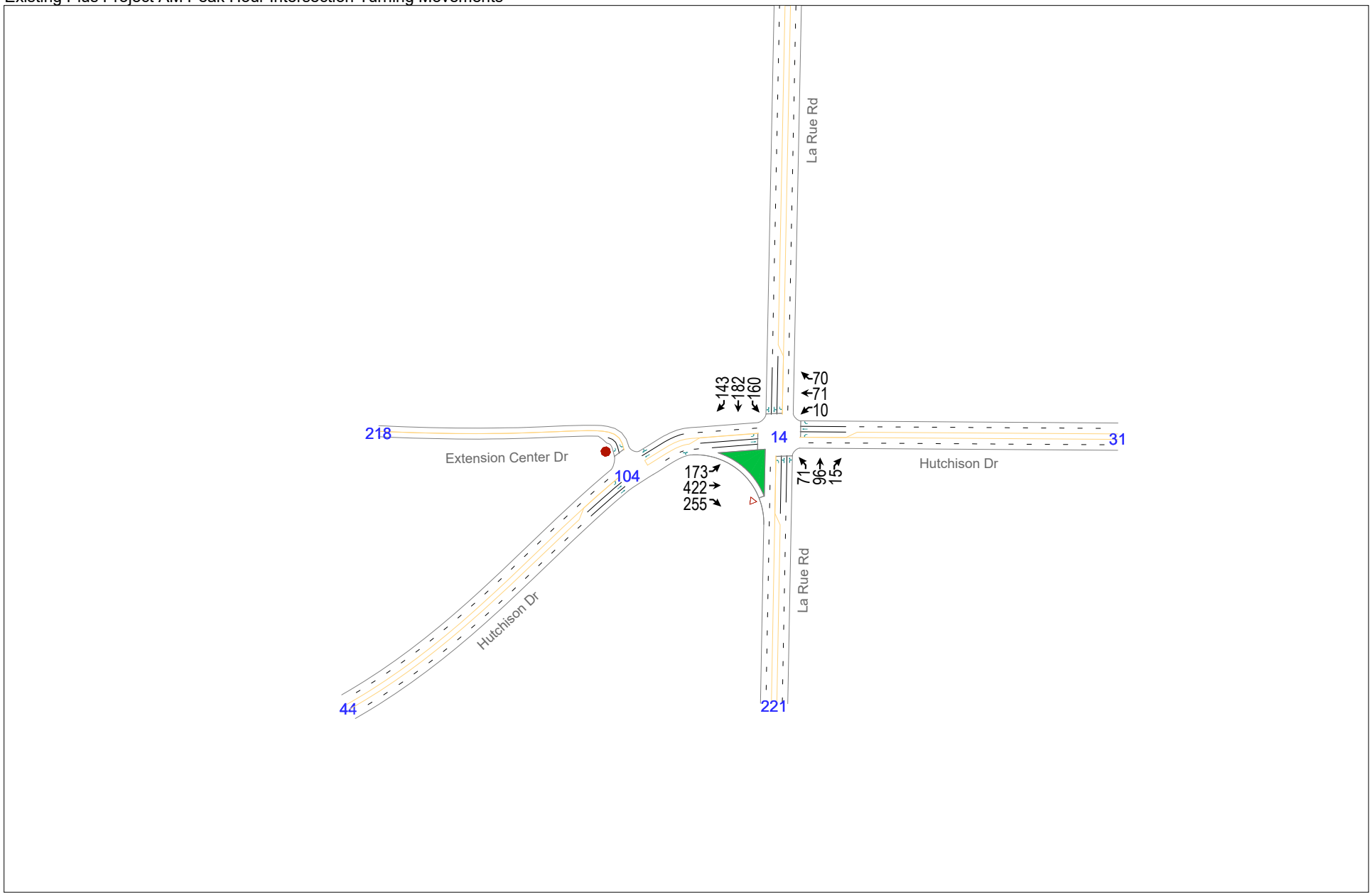

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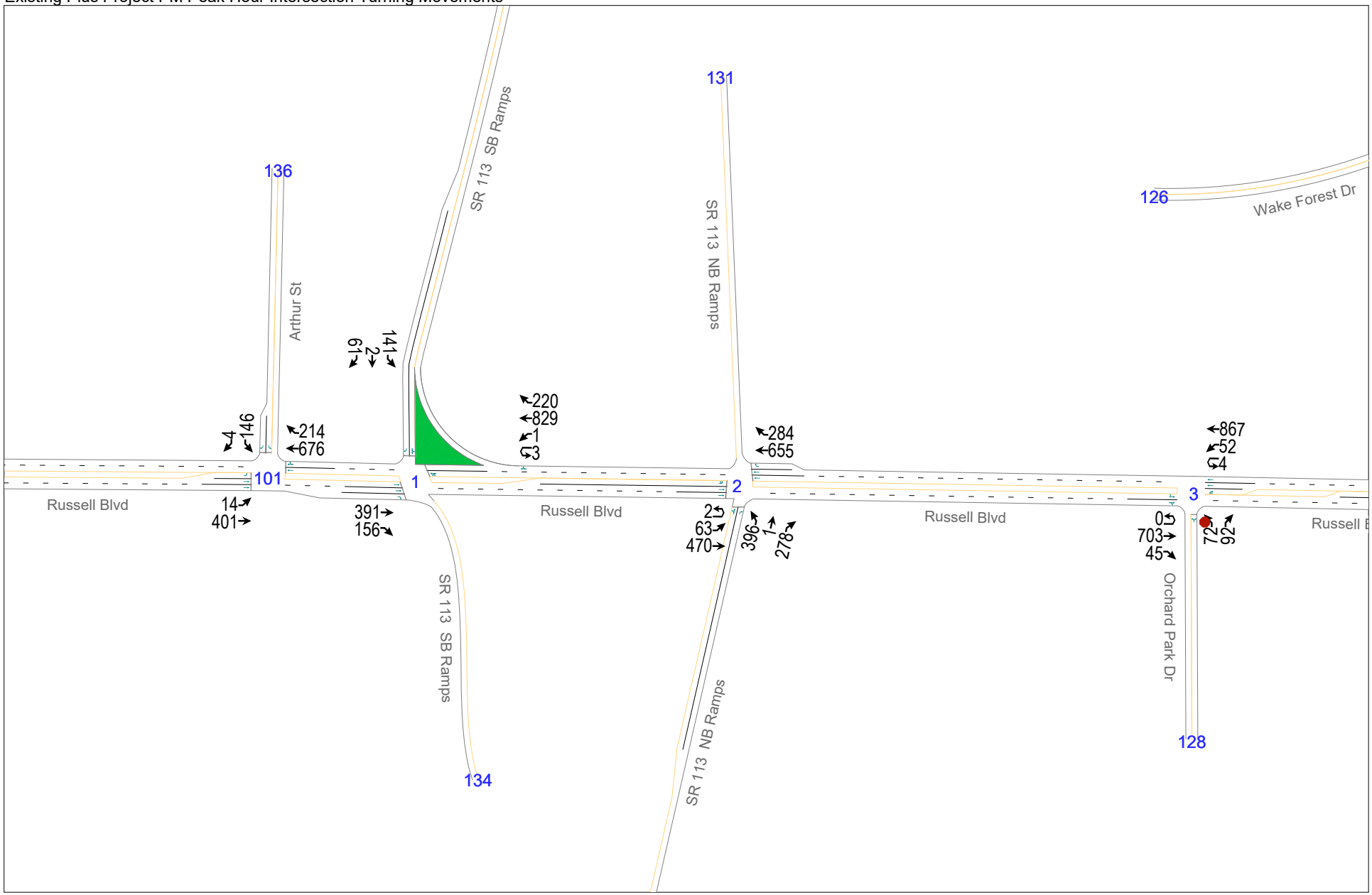

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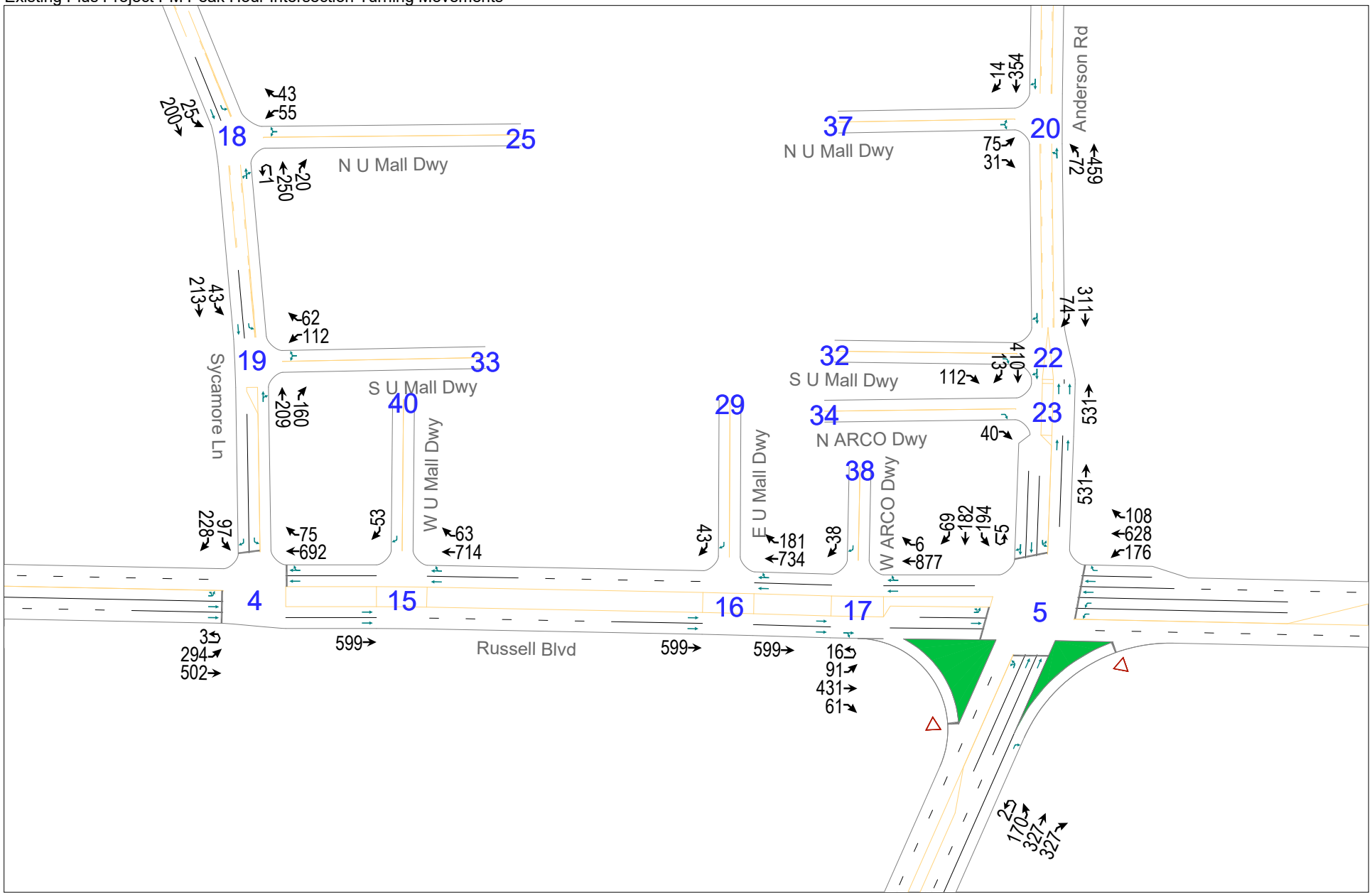

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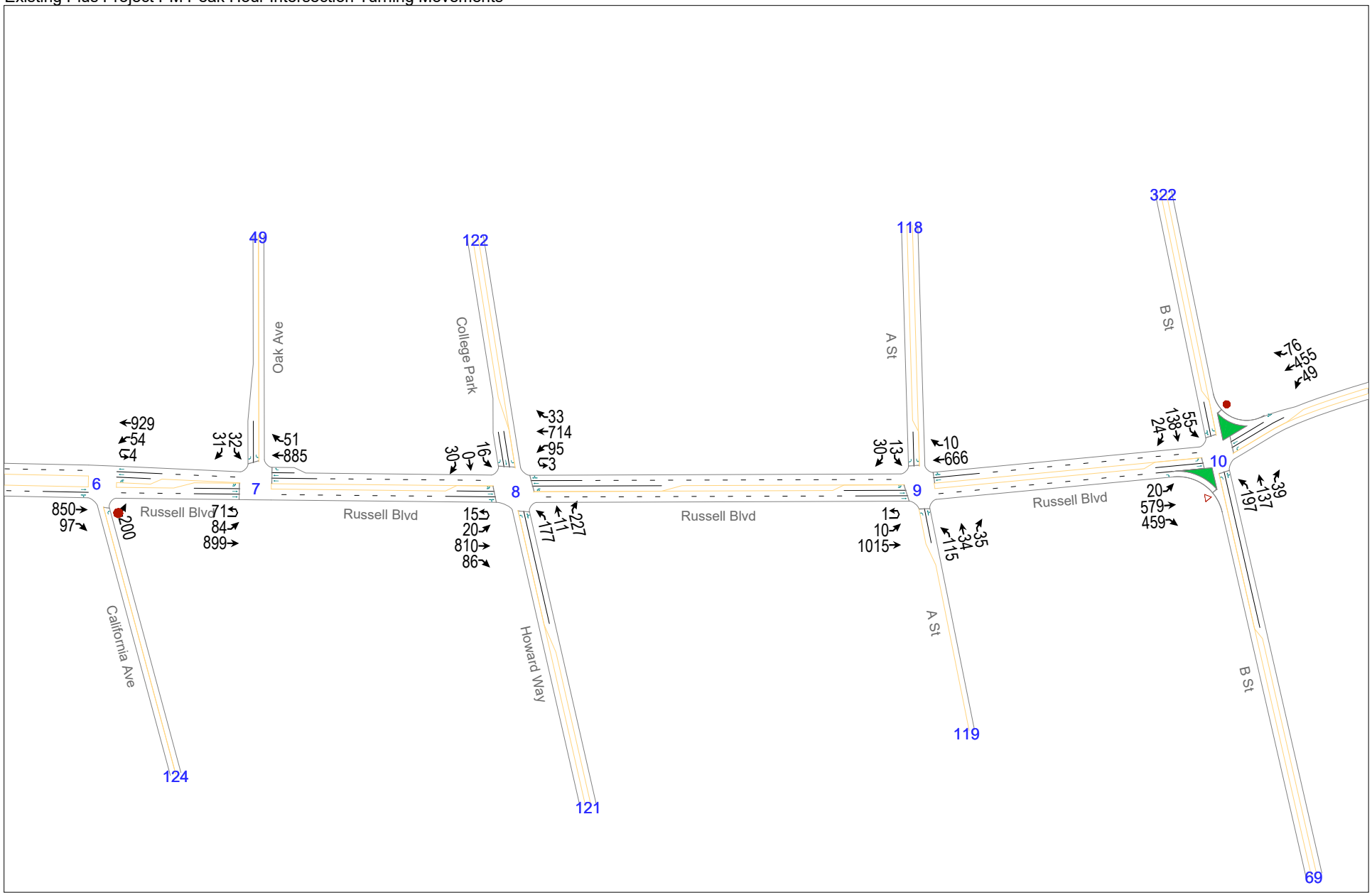

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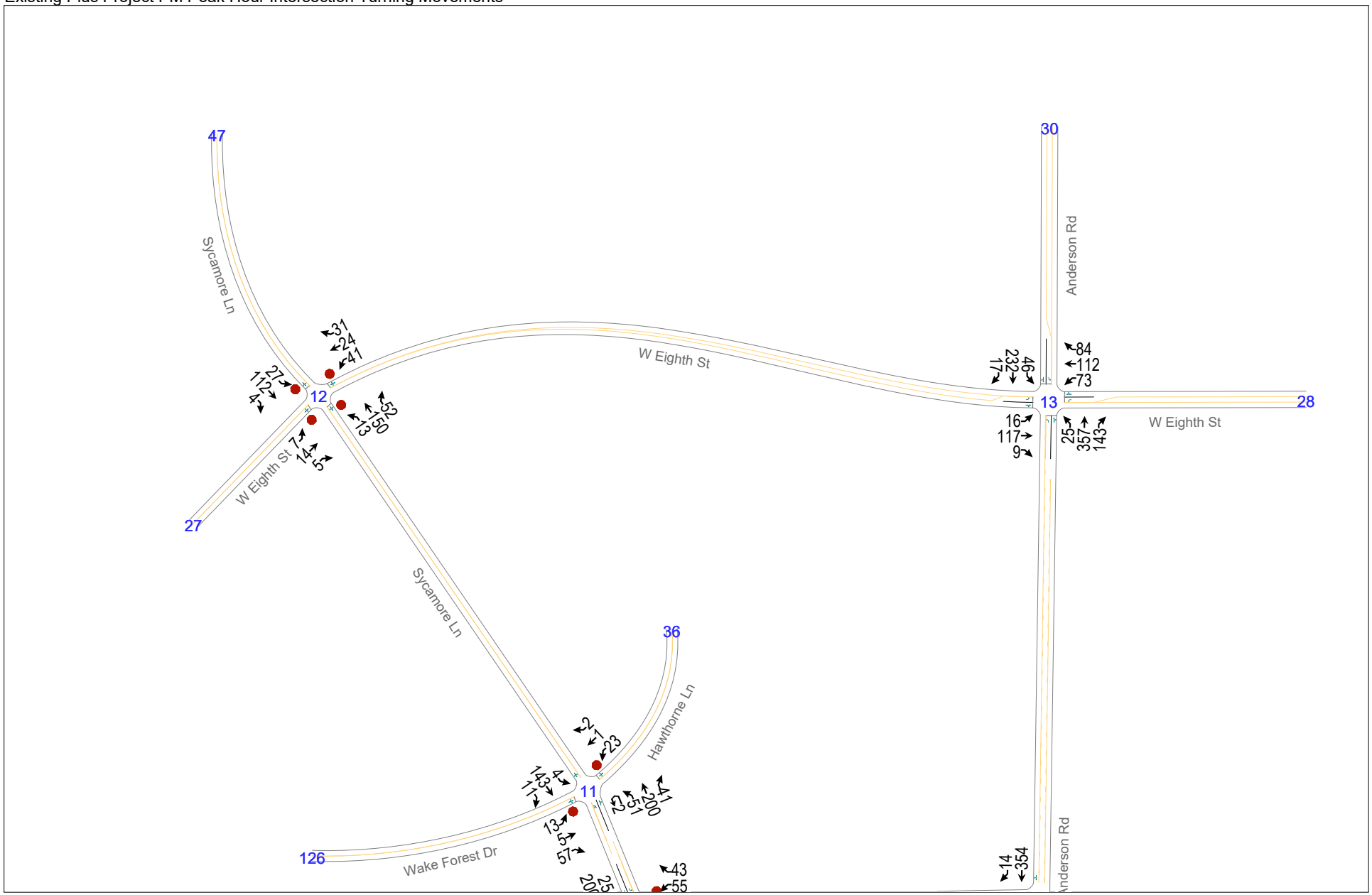

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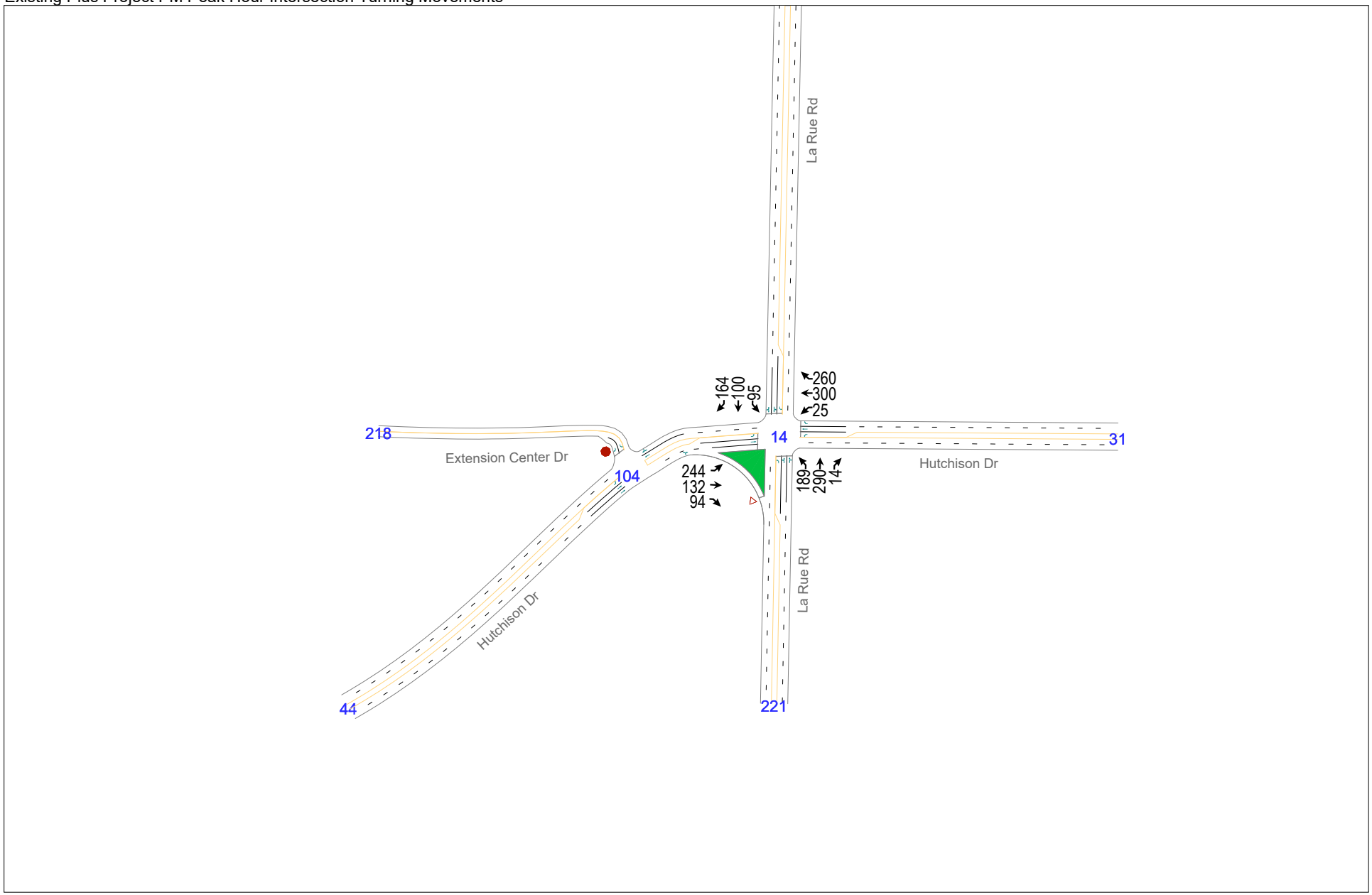

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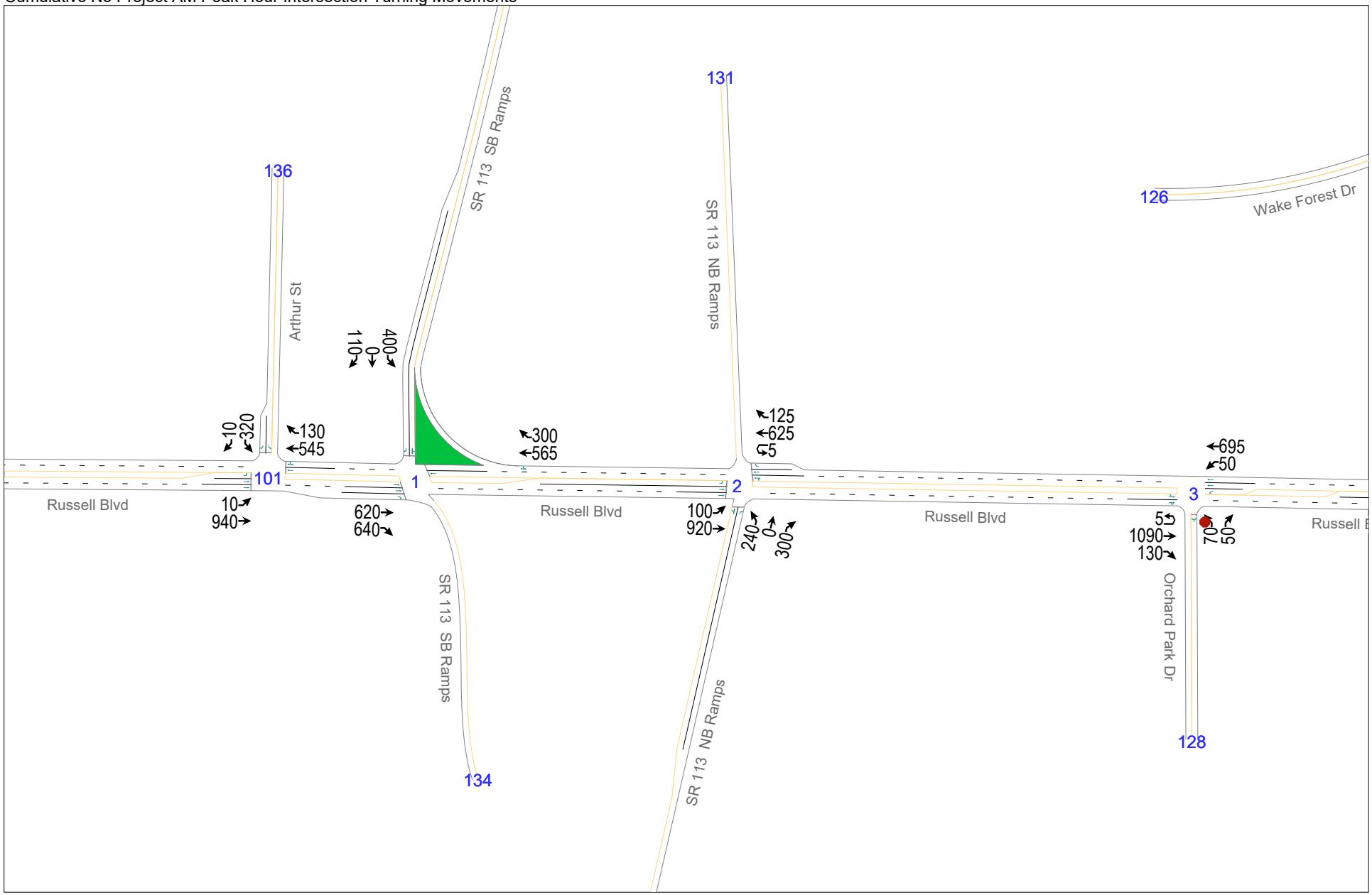
Cumulative No Project AM Peak Hour Intersection Turning Movements



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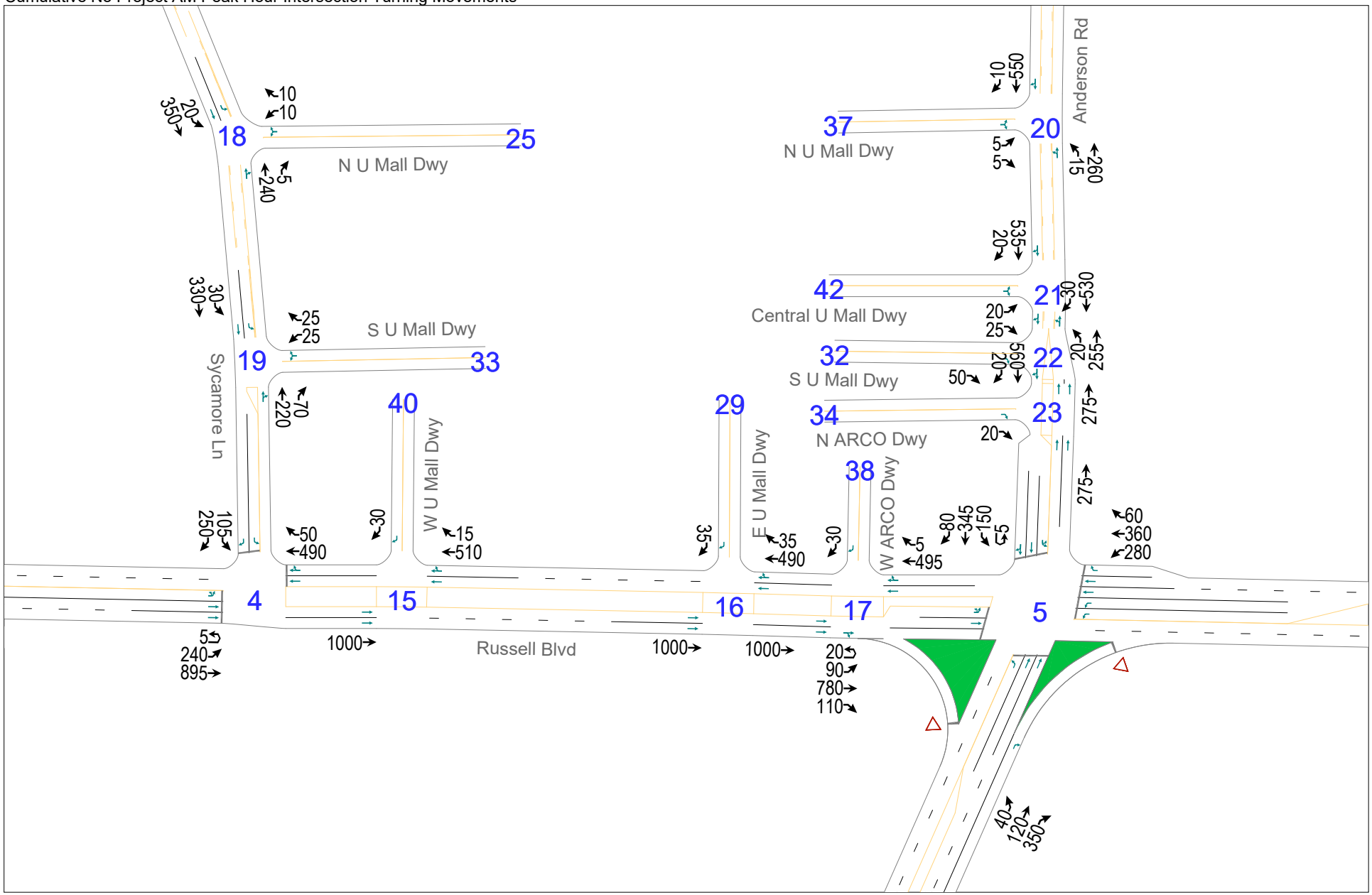

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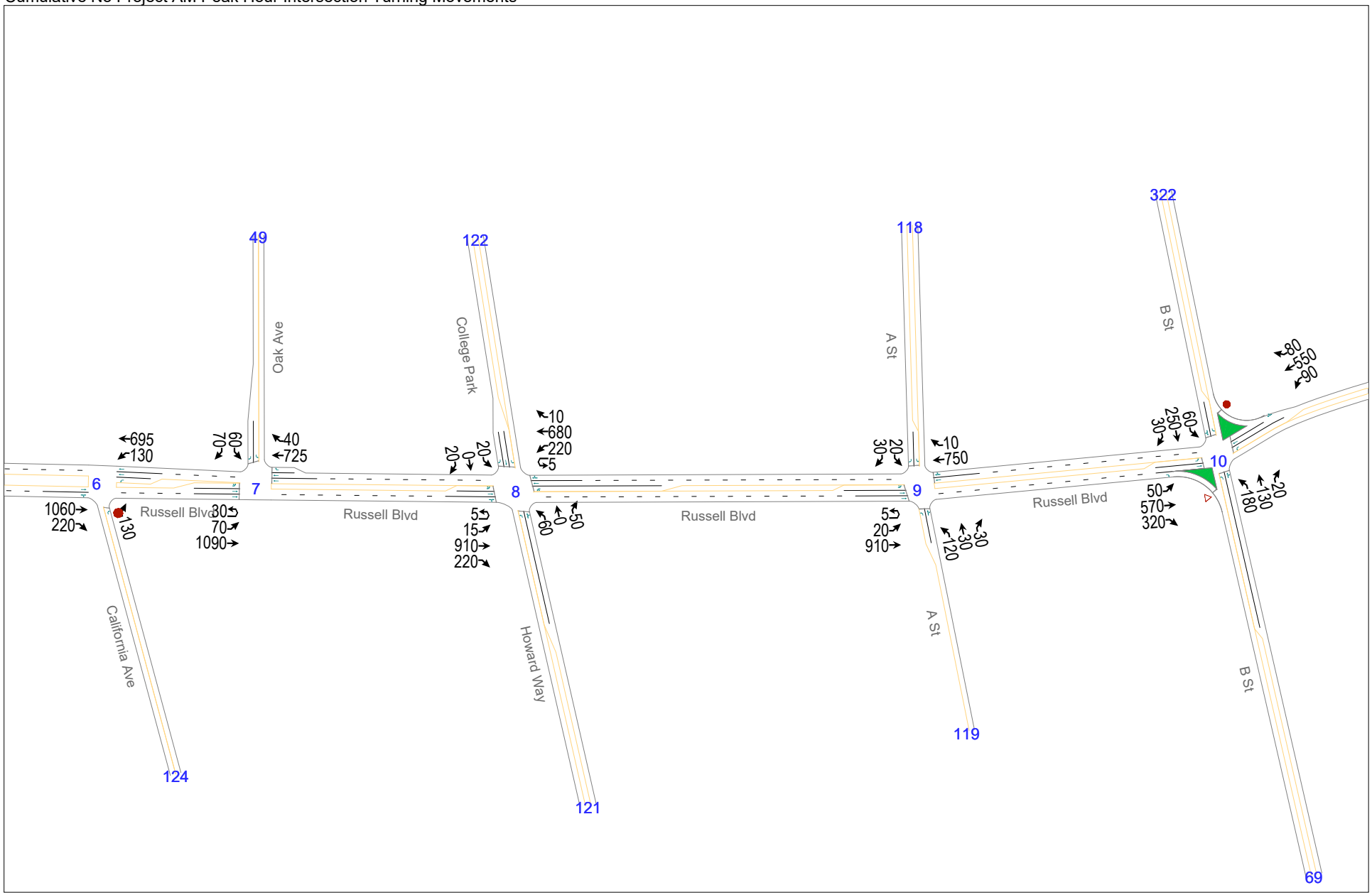

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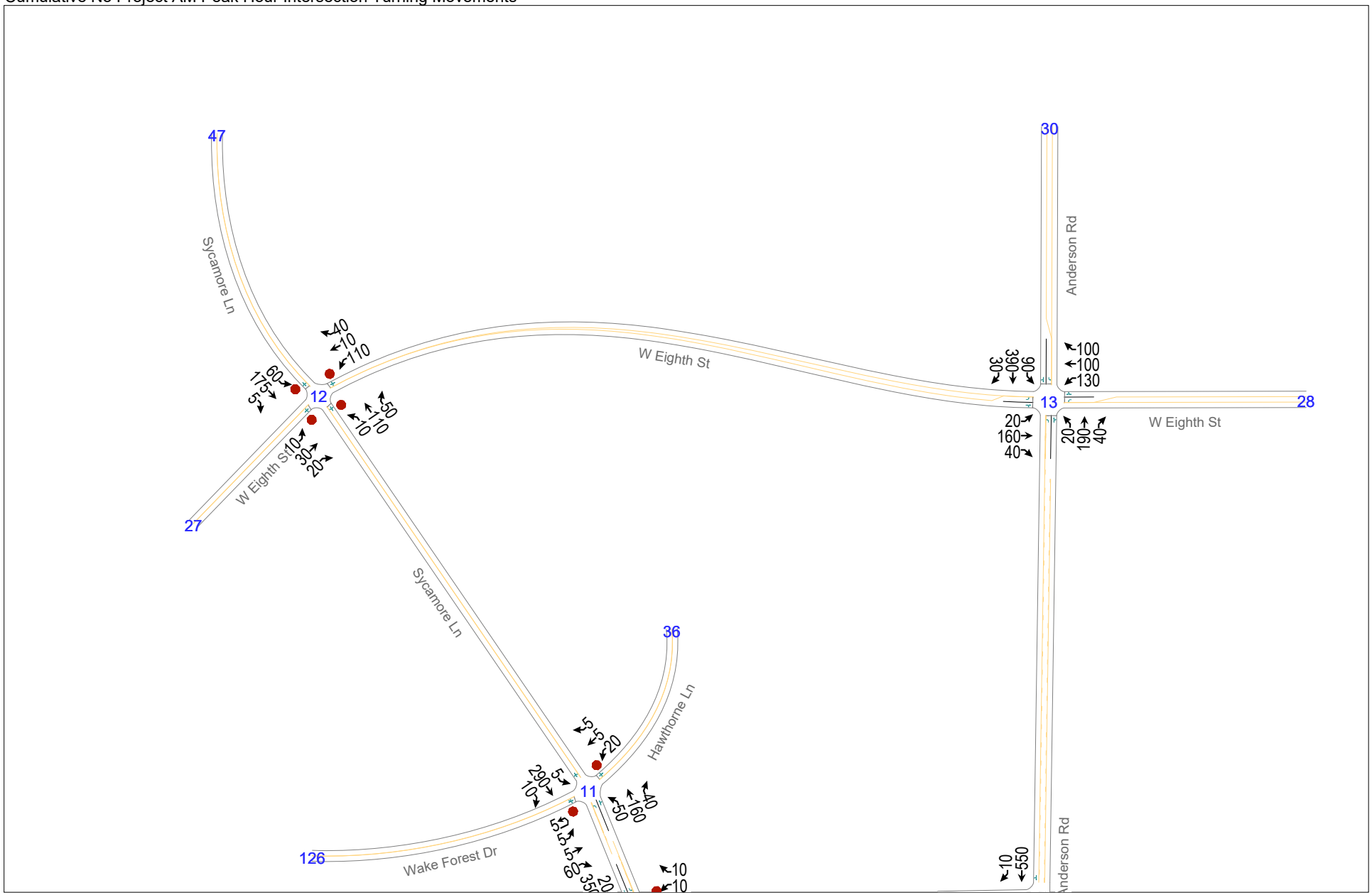

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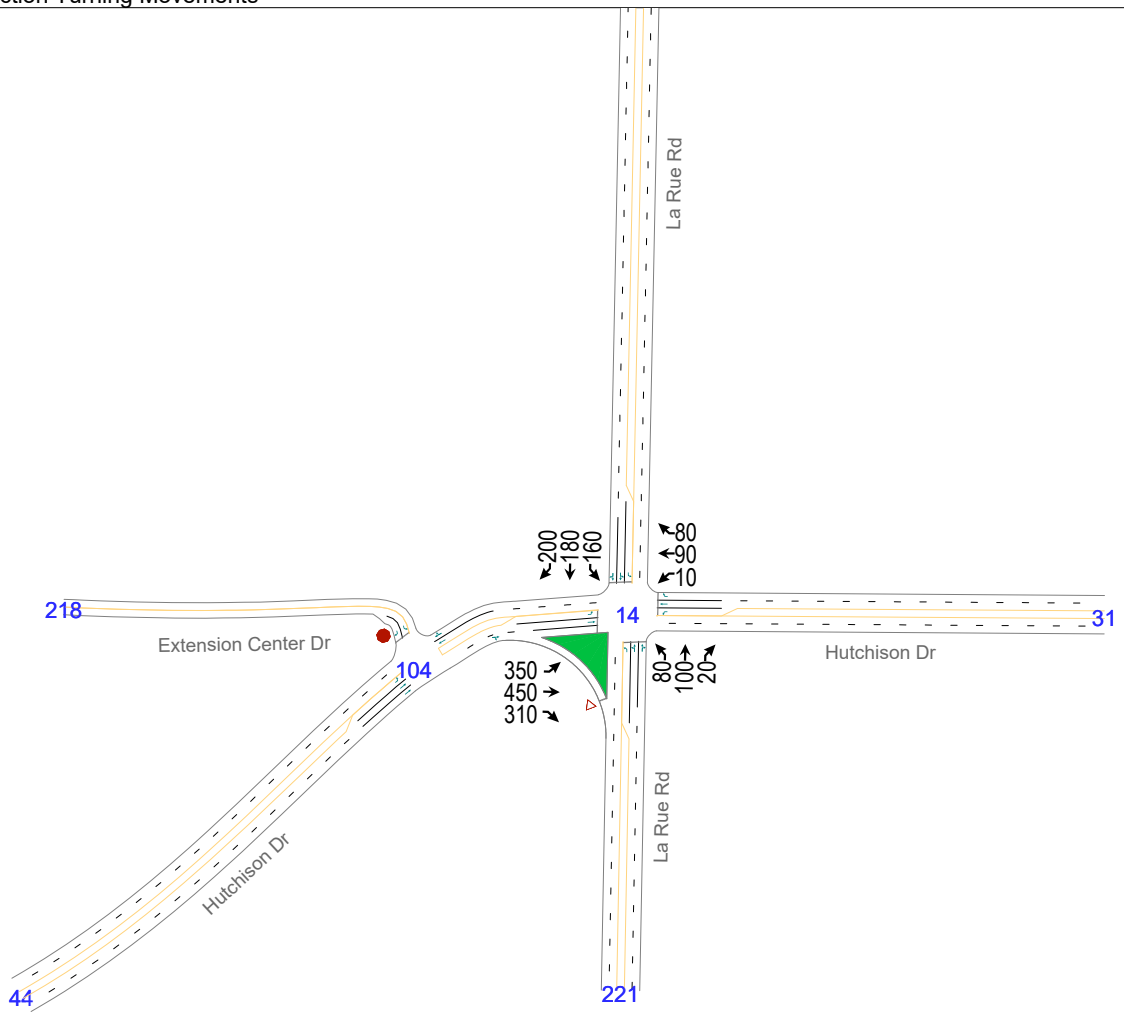

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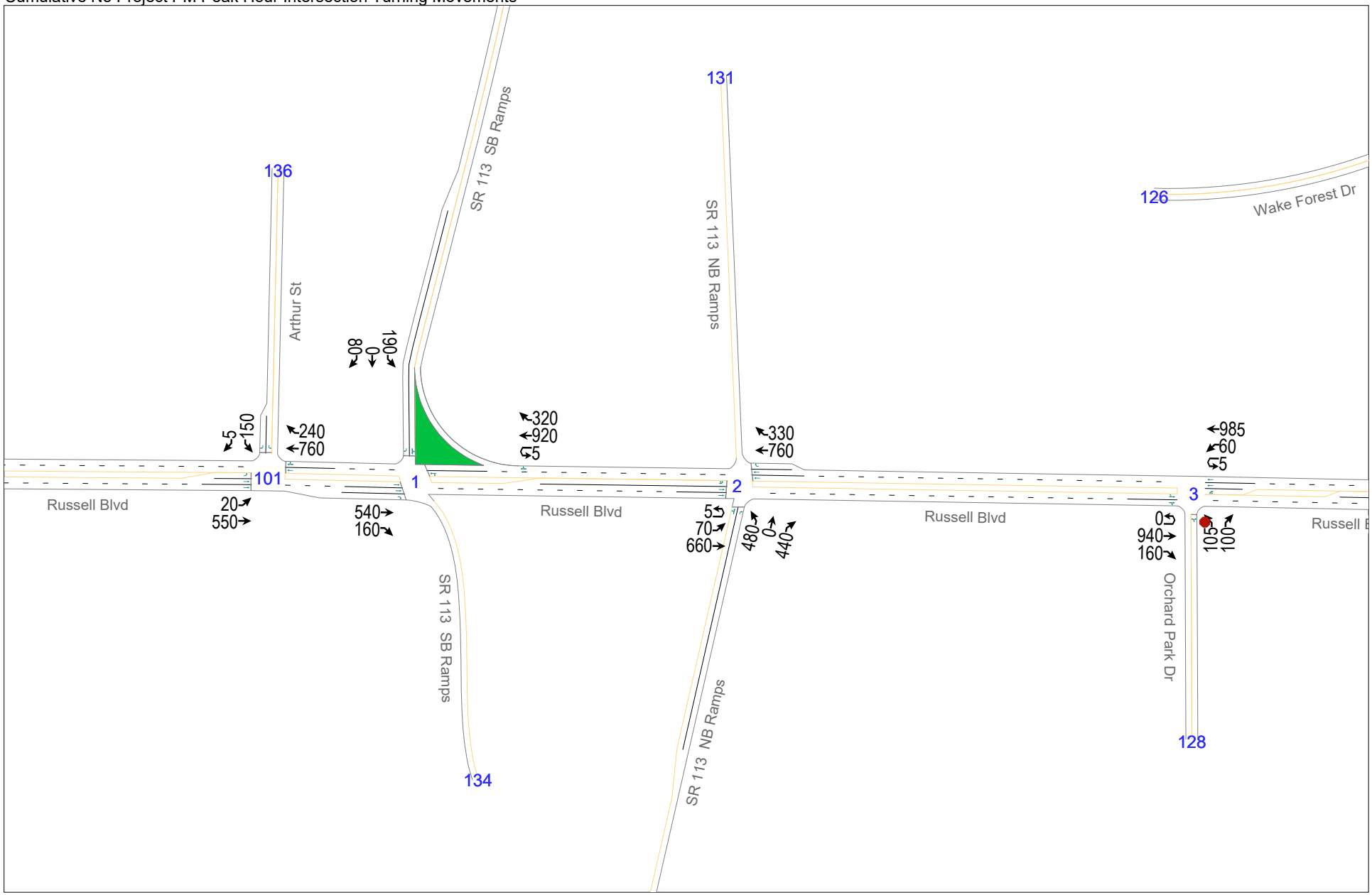

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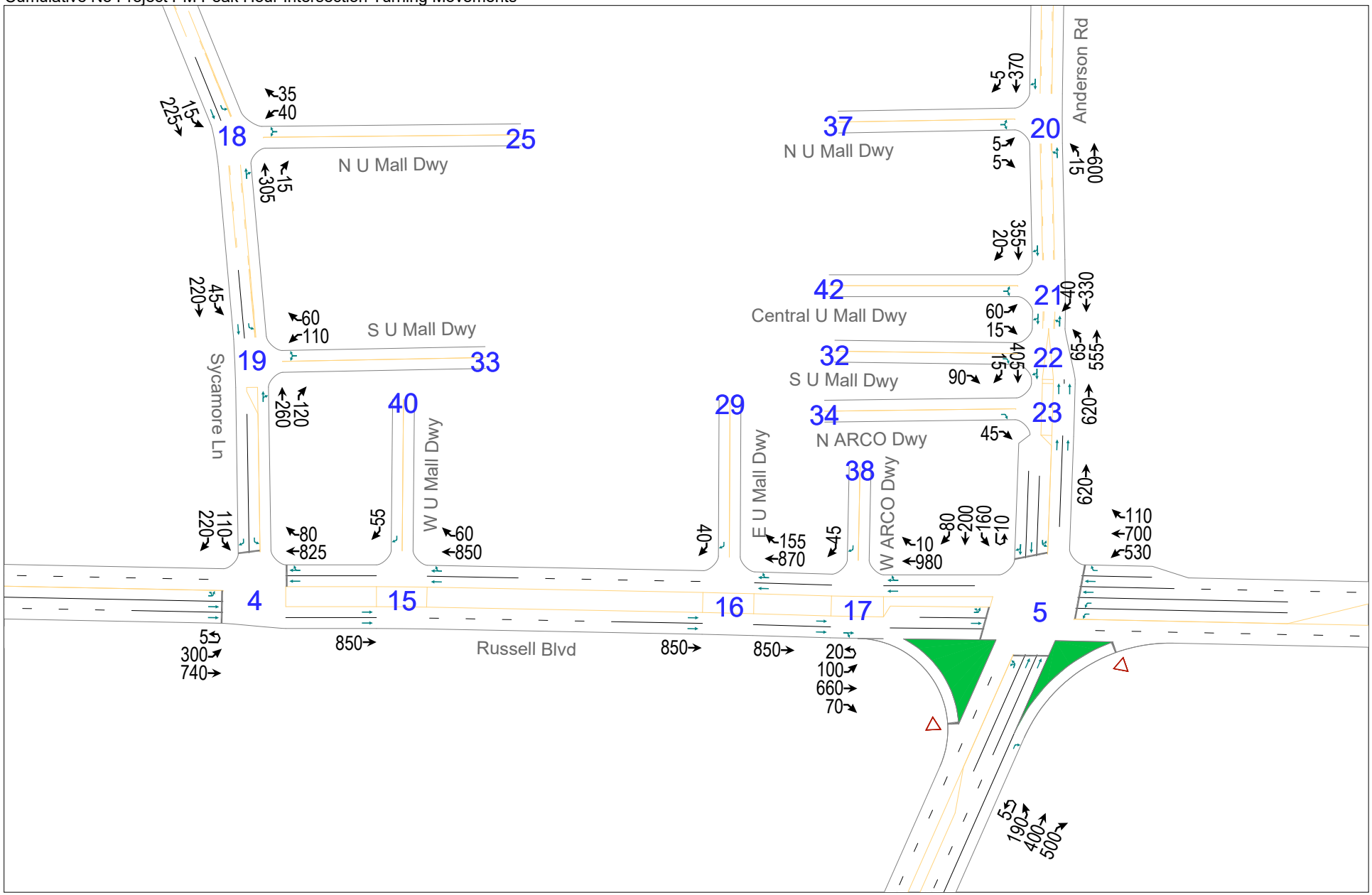

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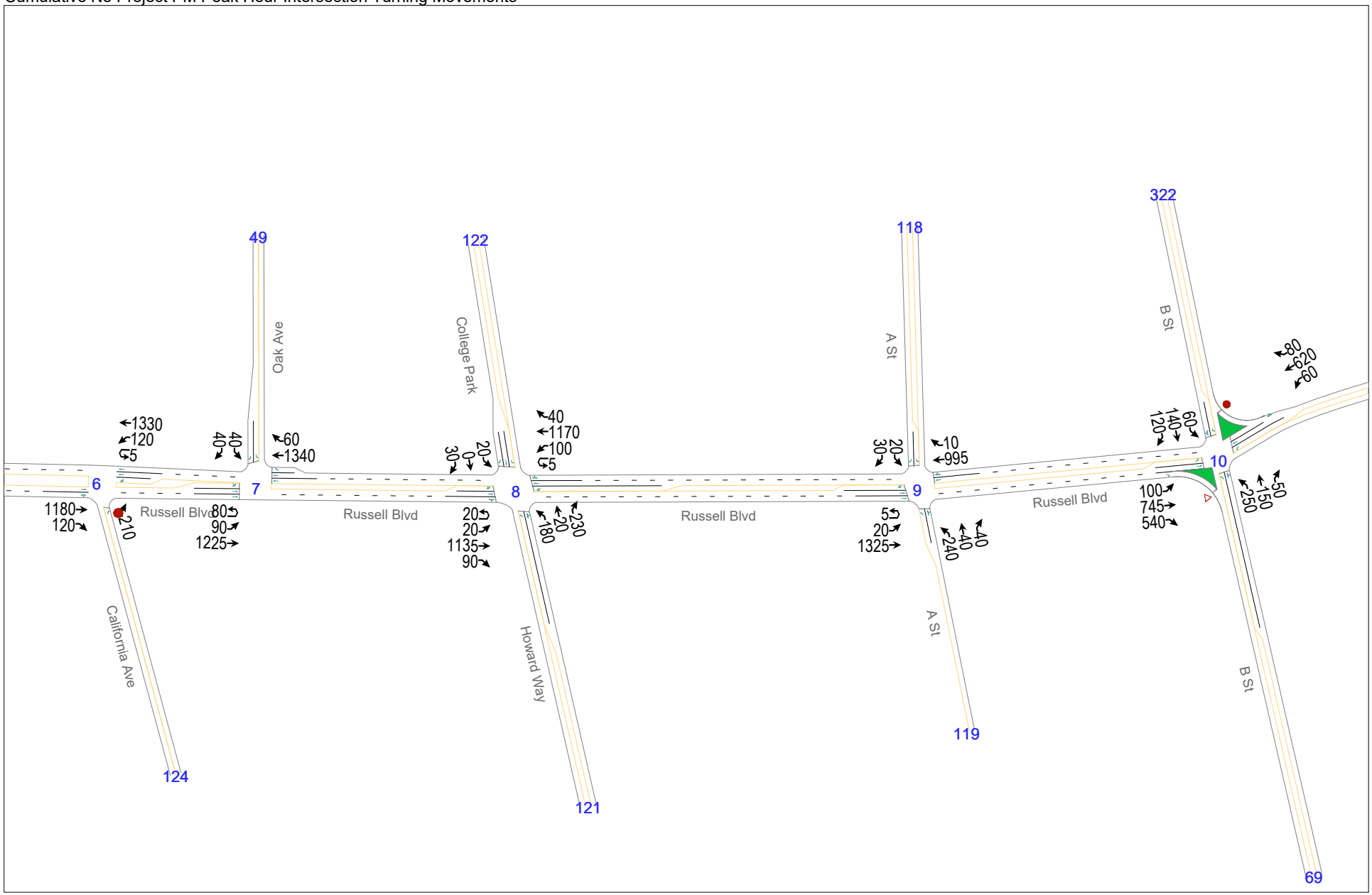

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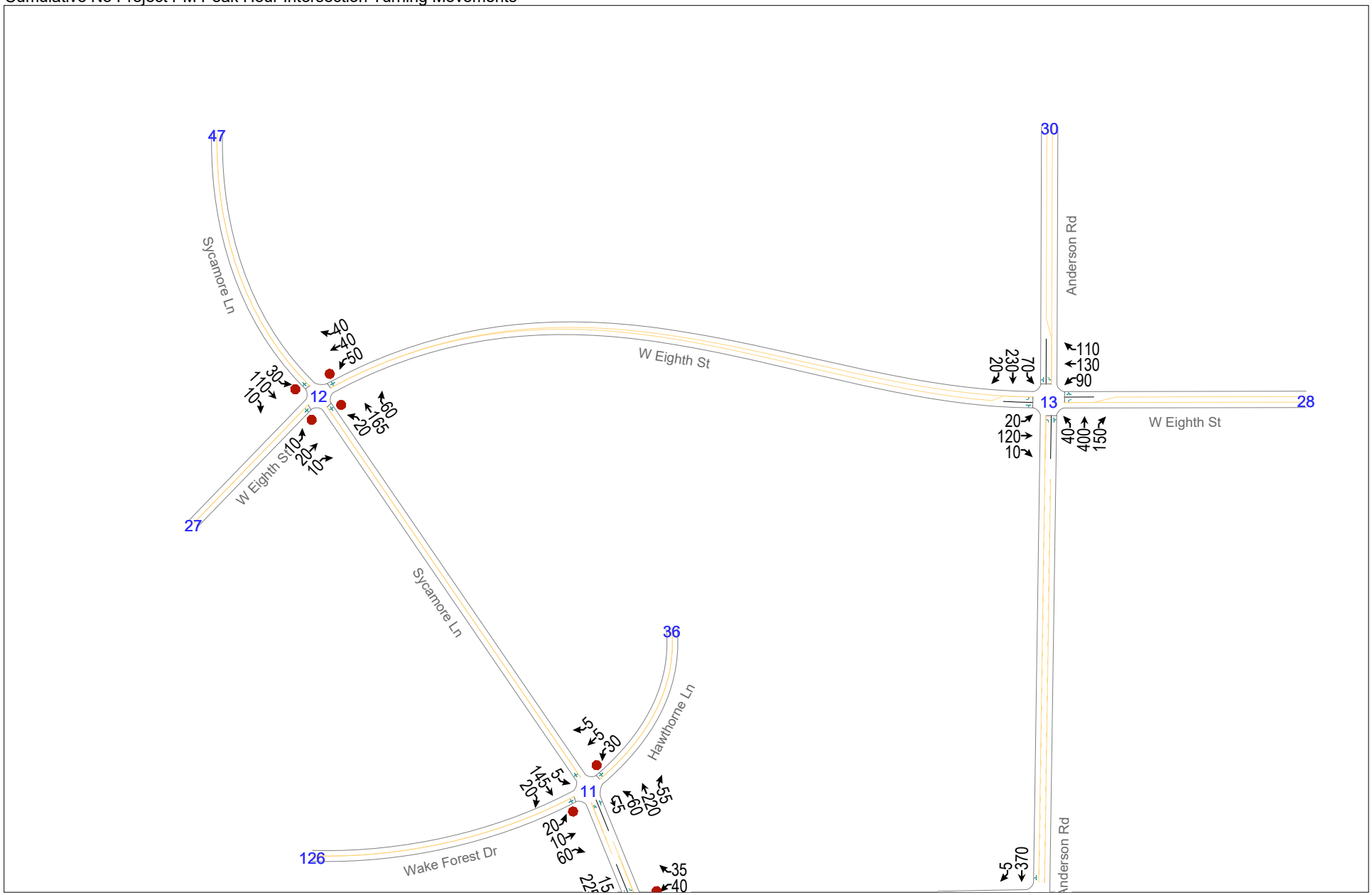

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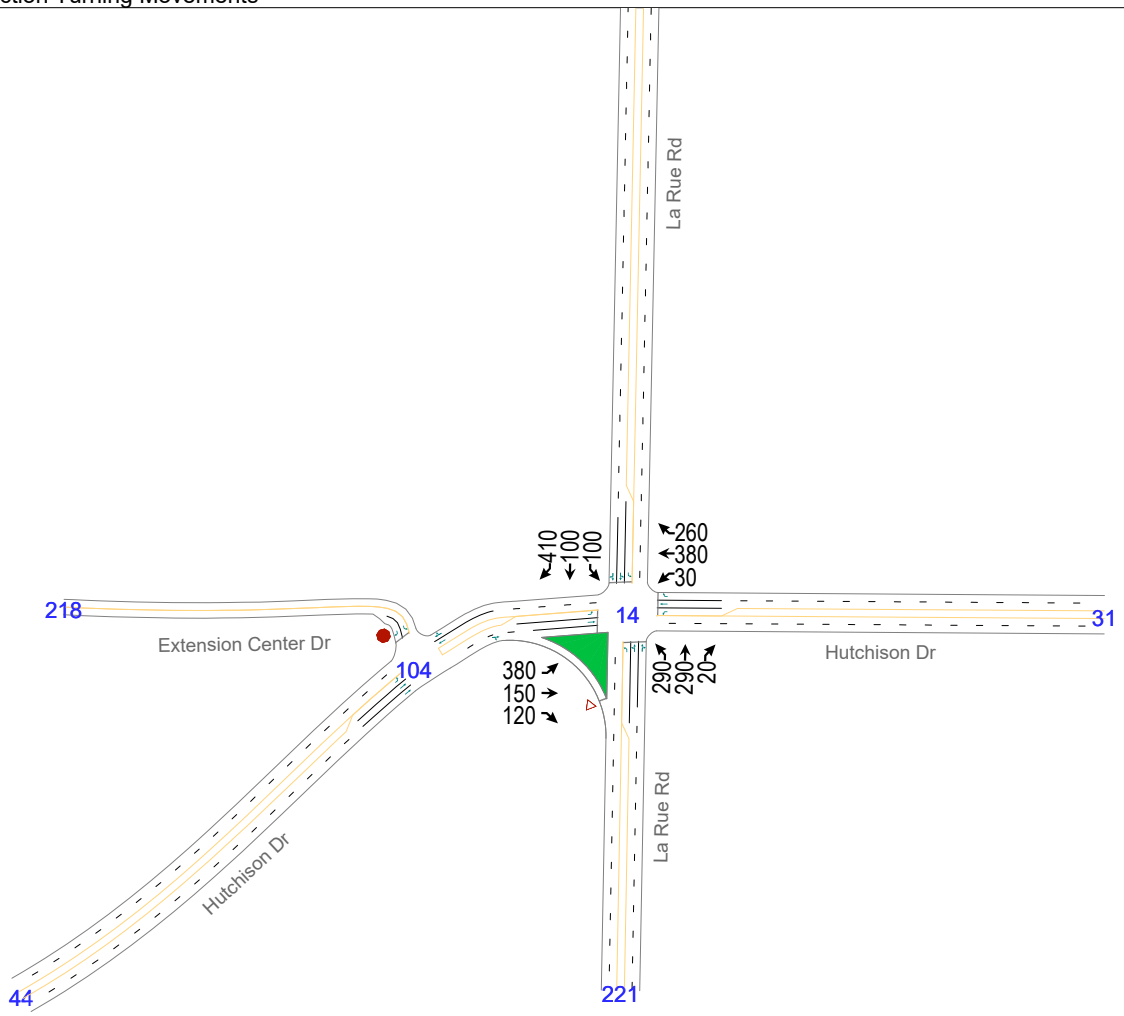

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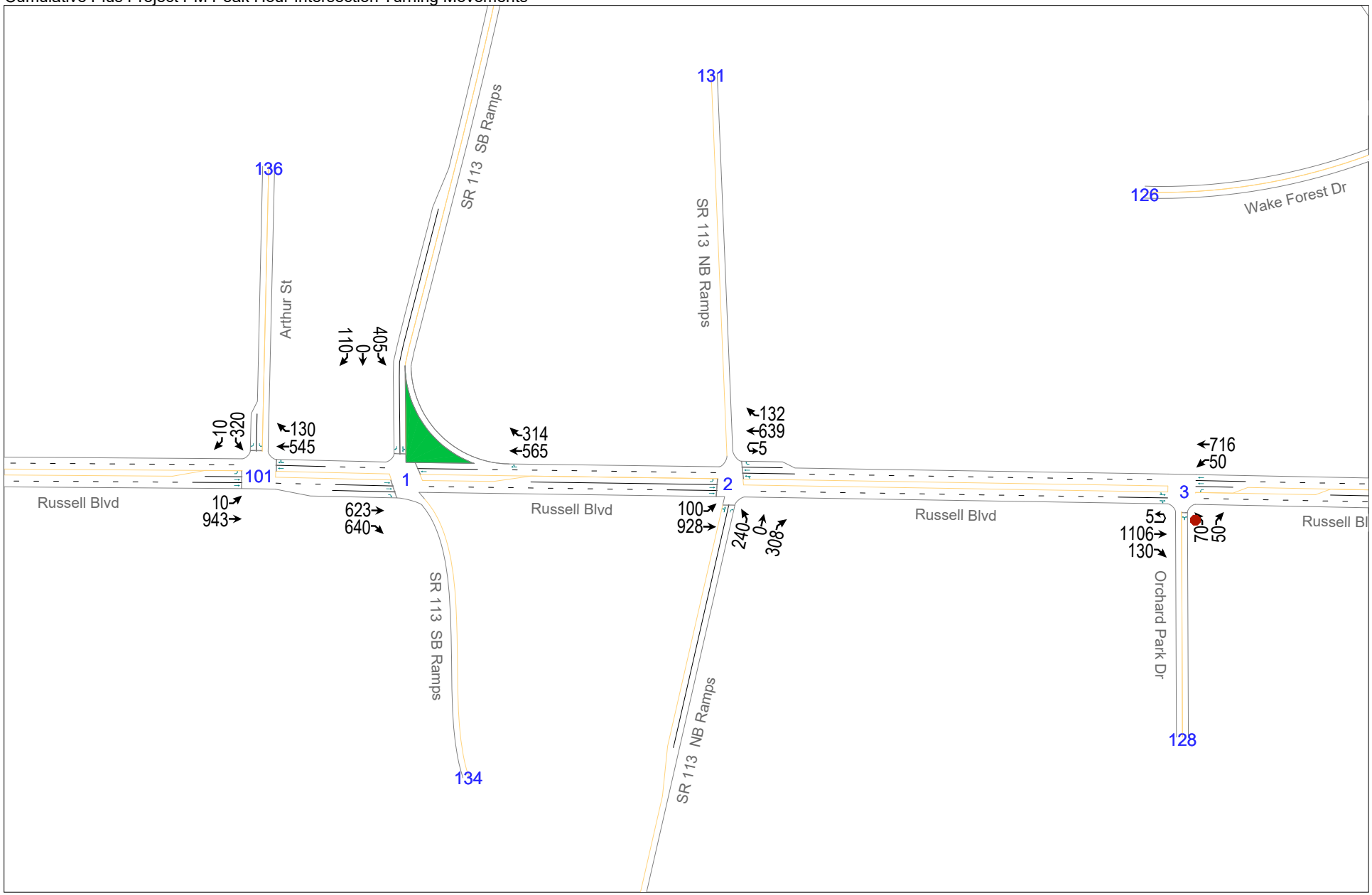

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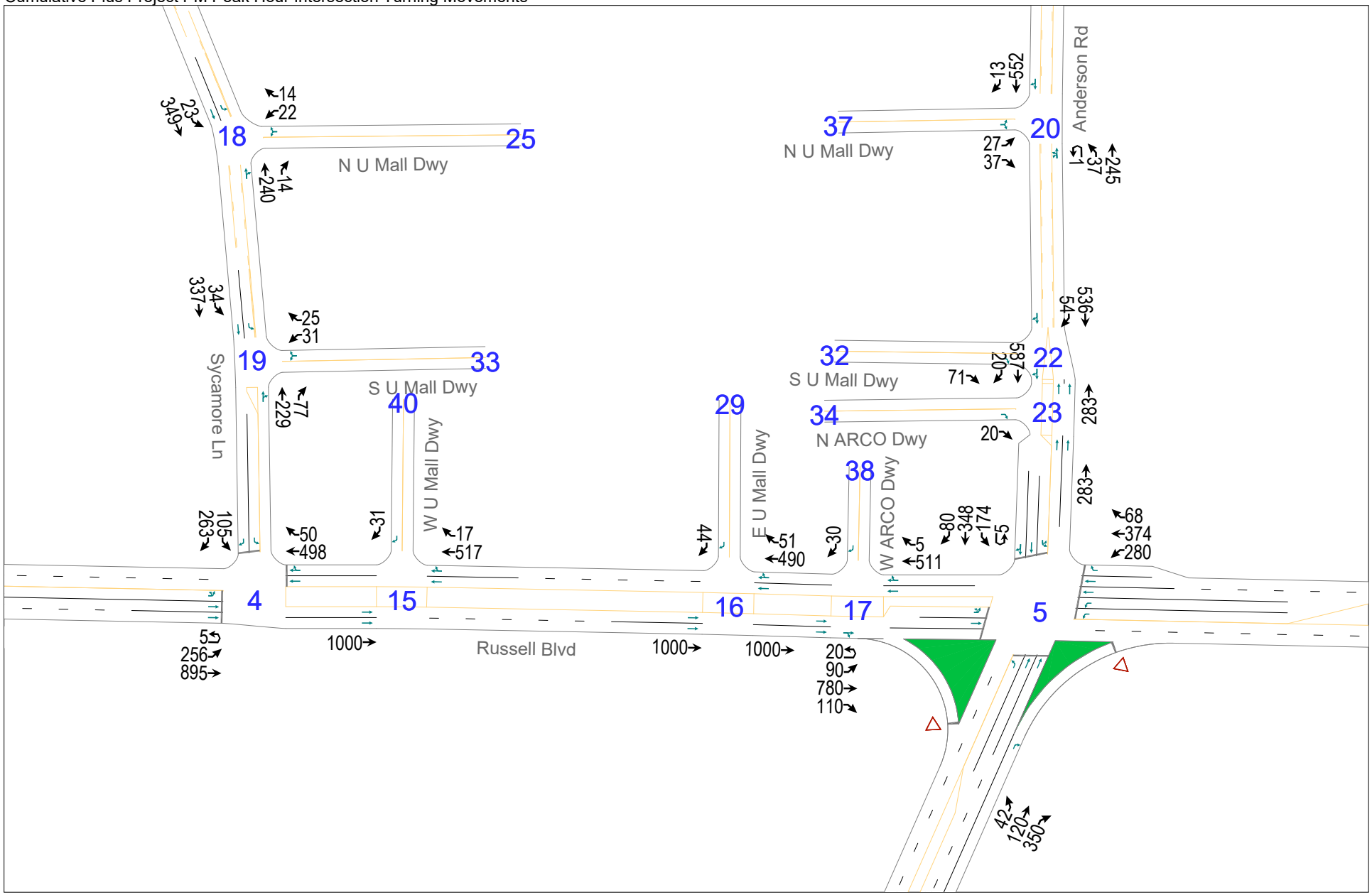

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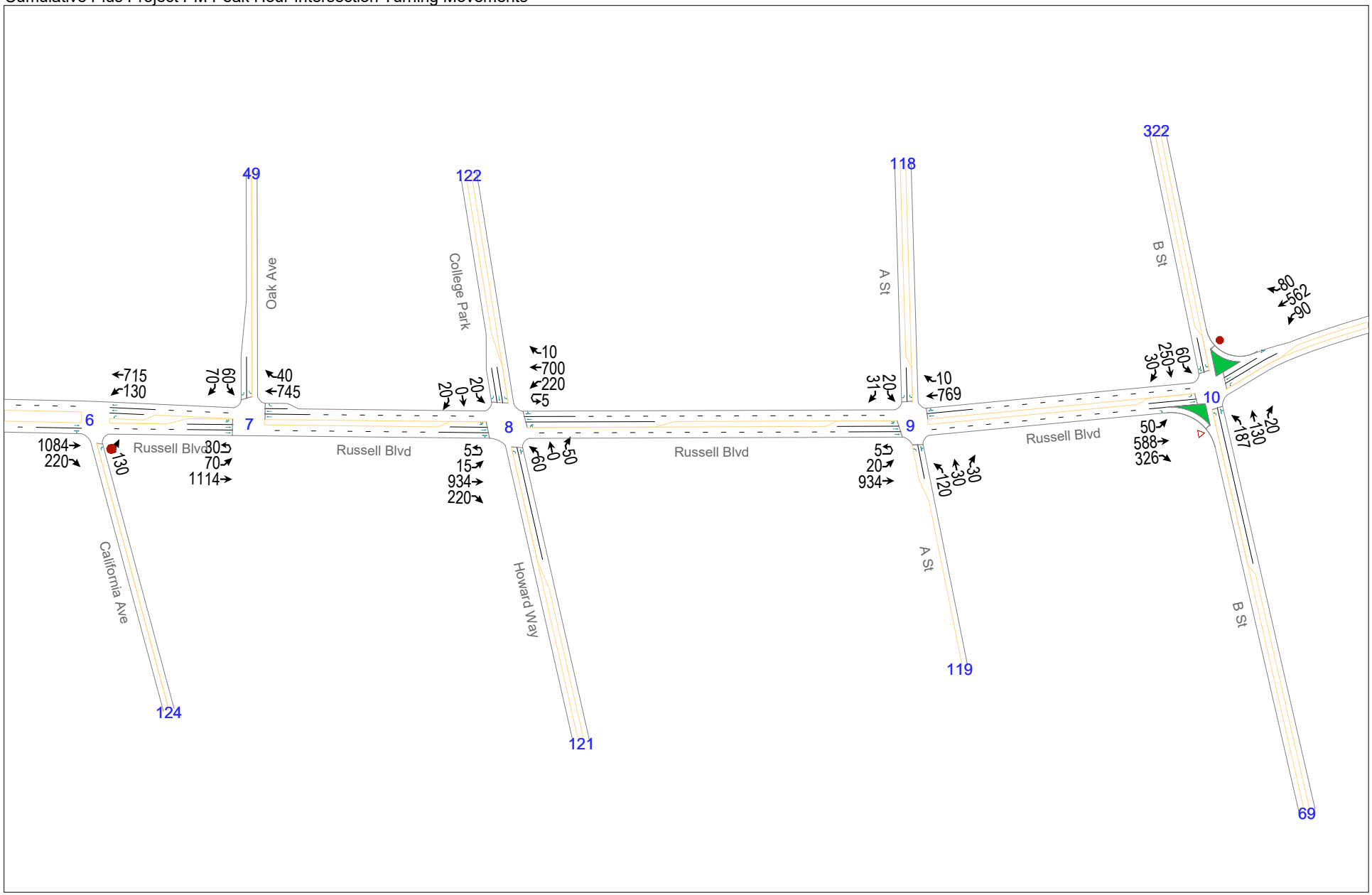

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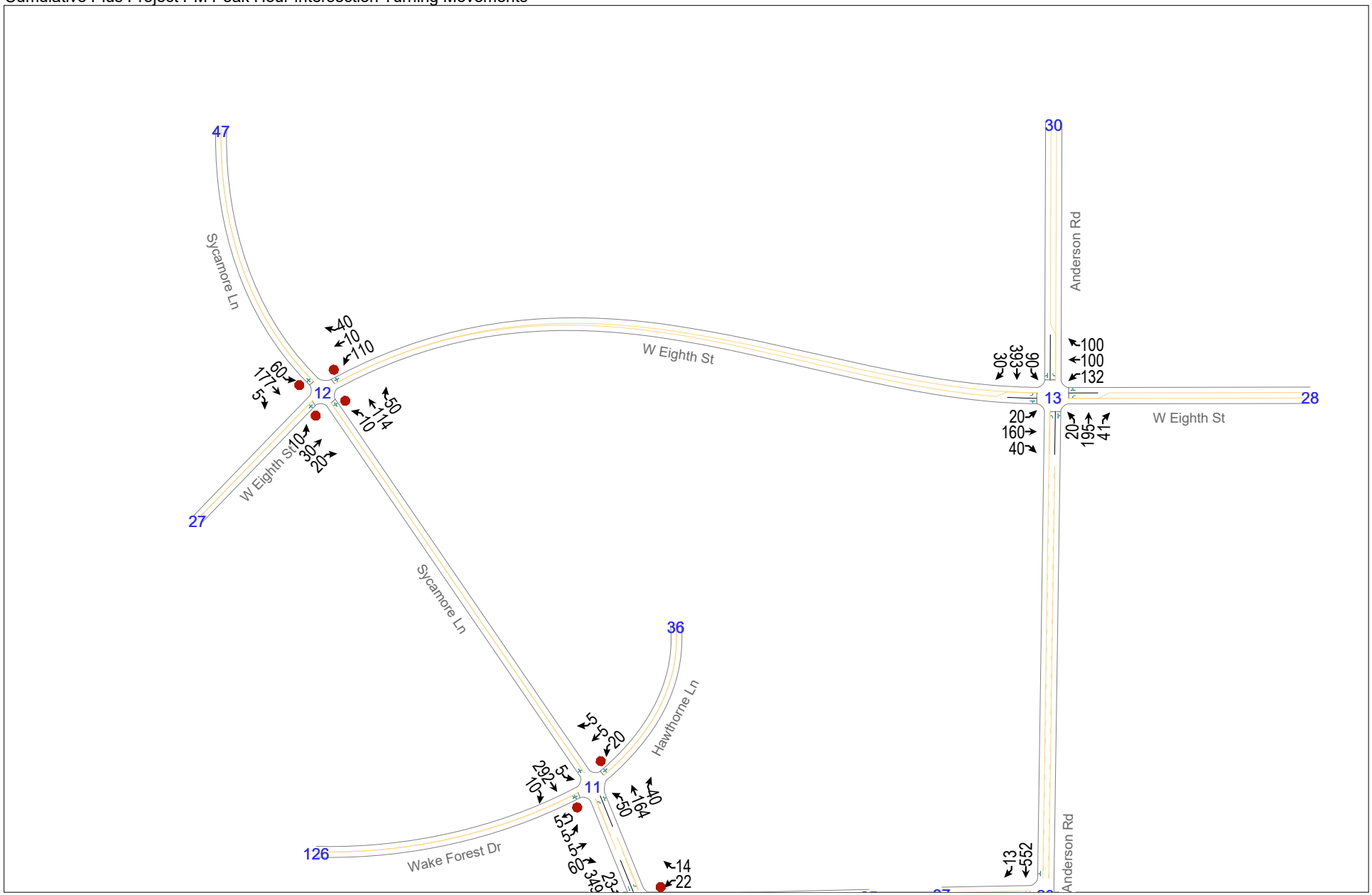

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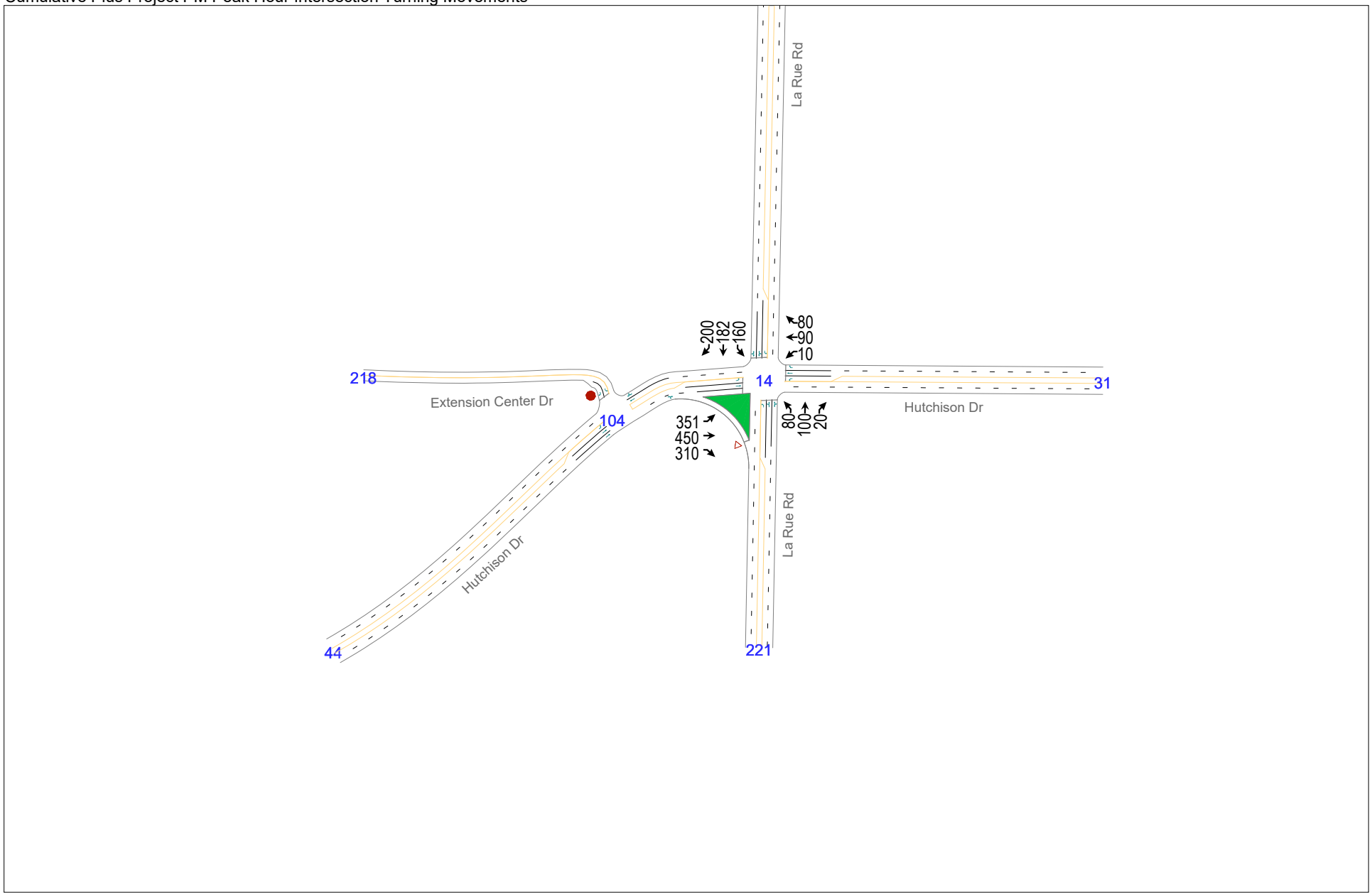

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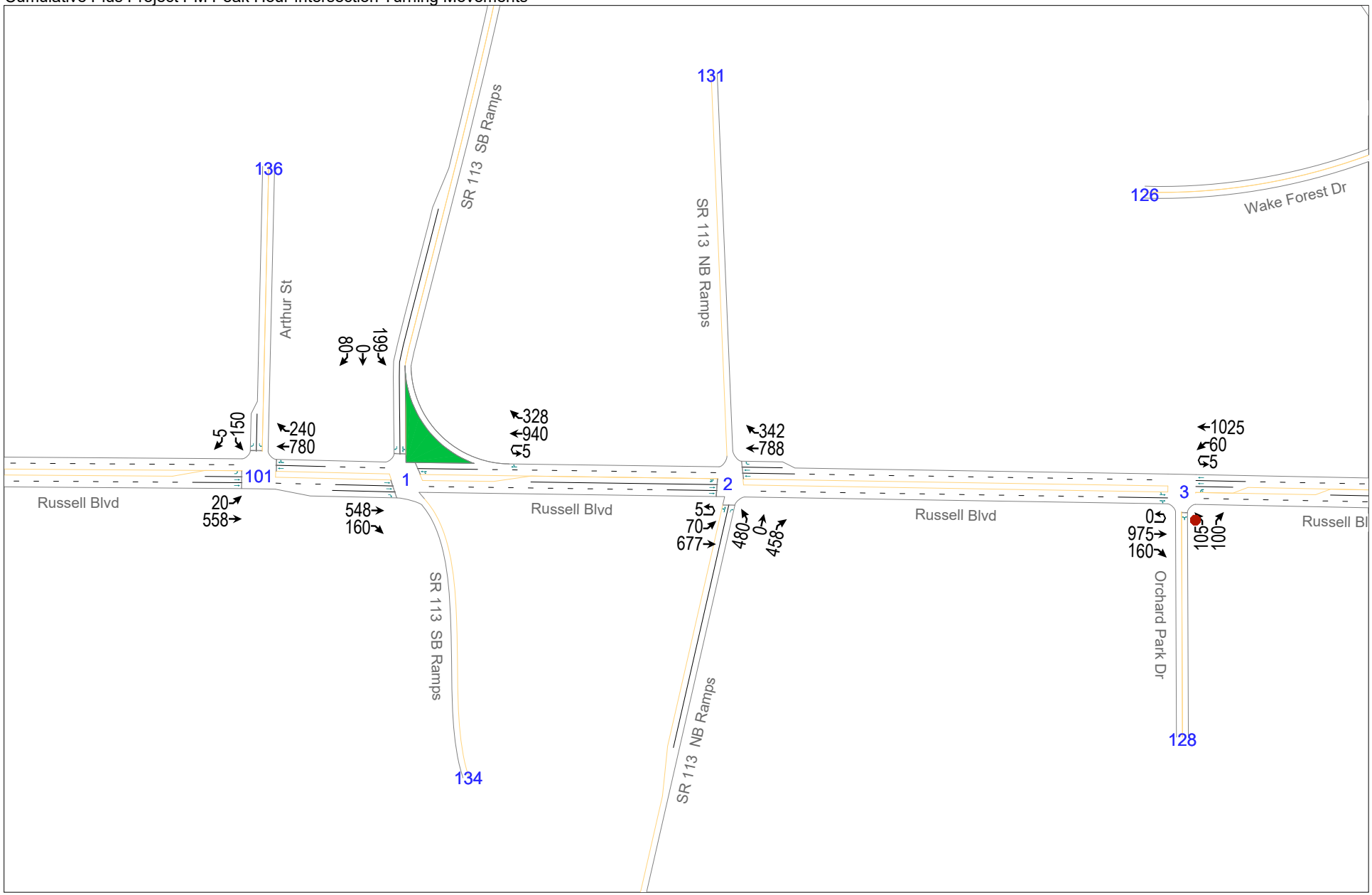

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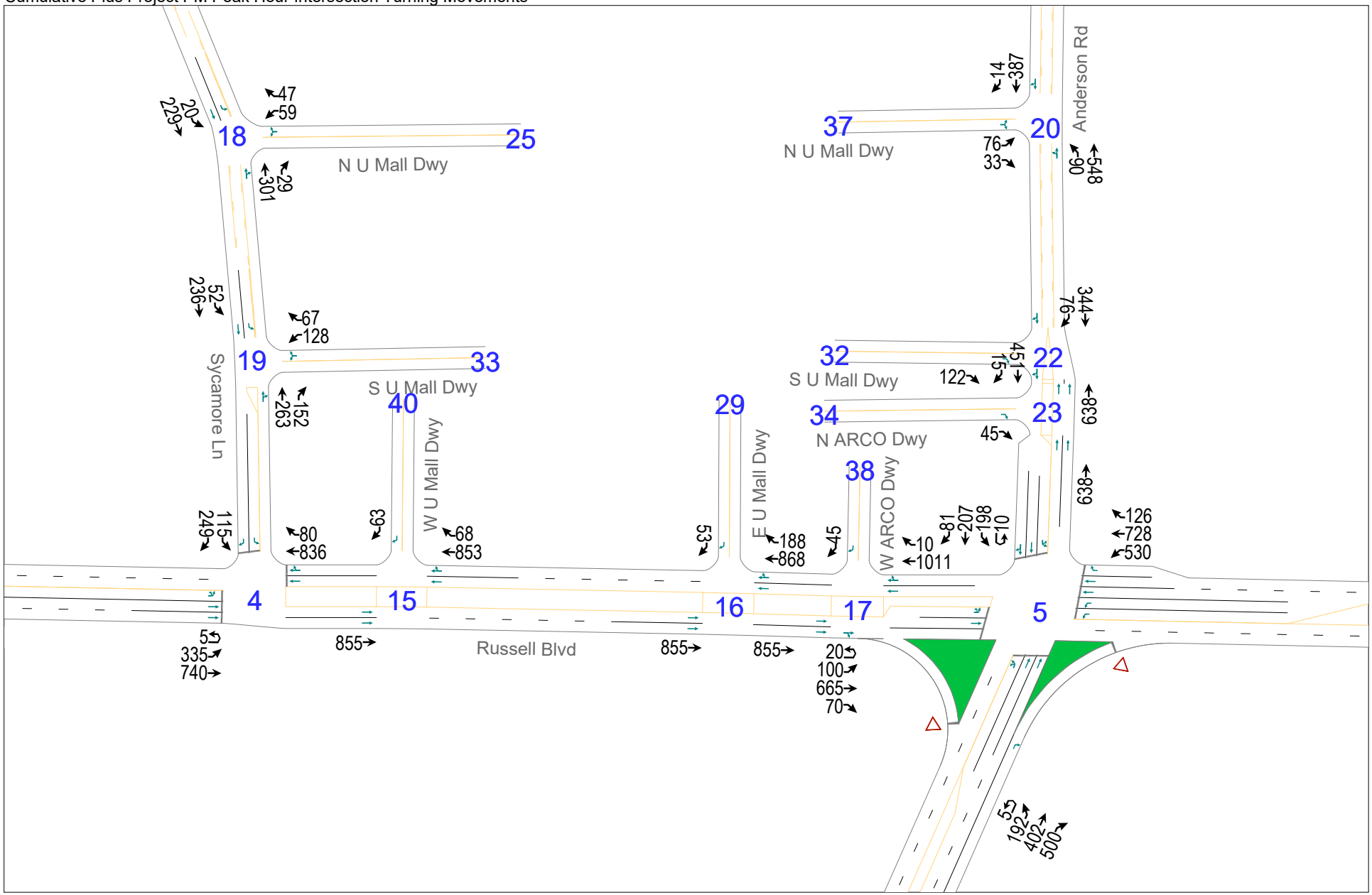

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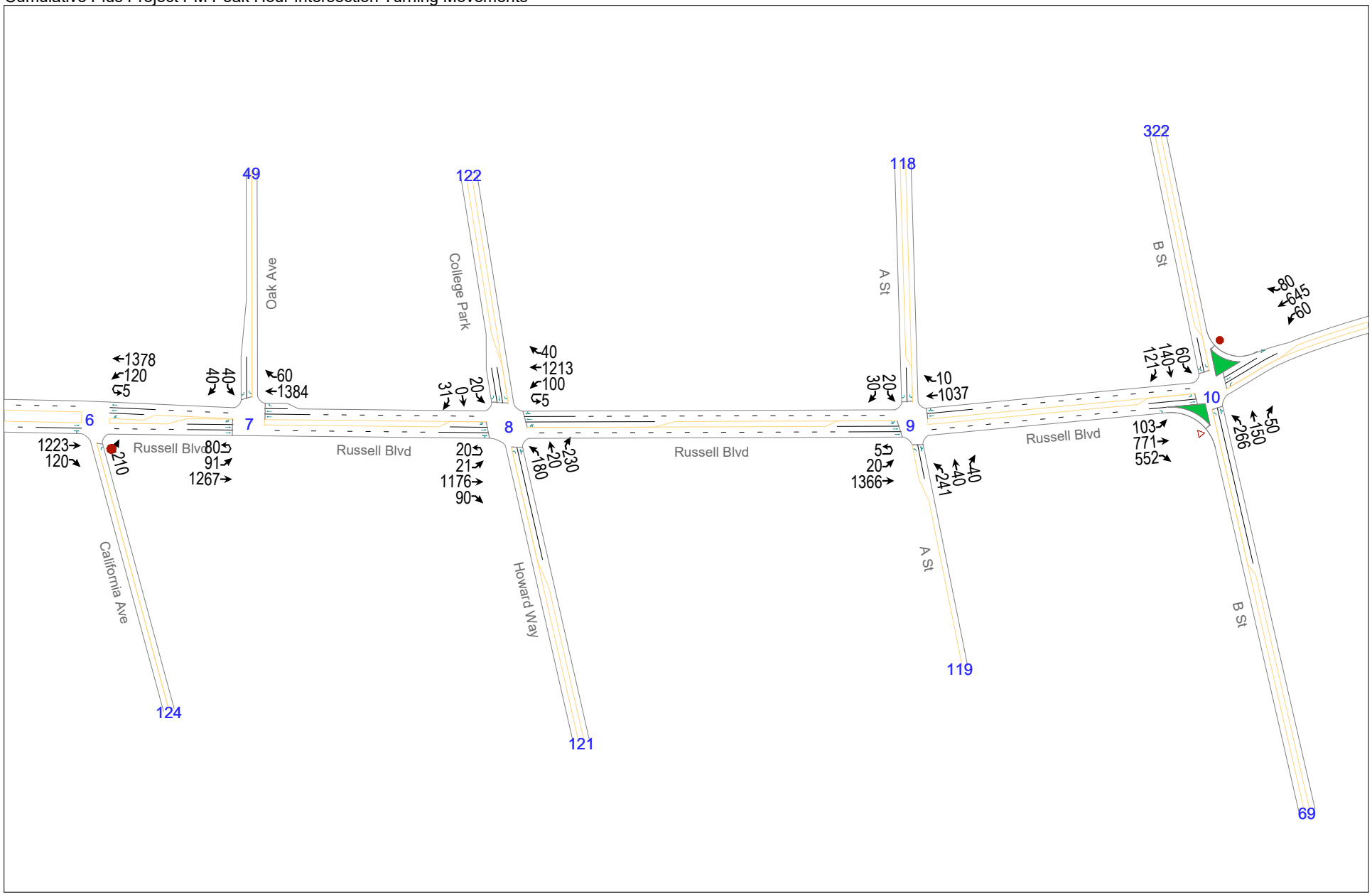

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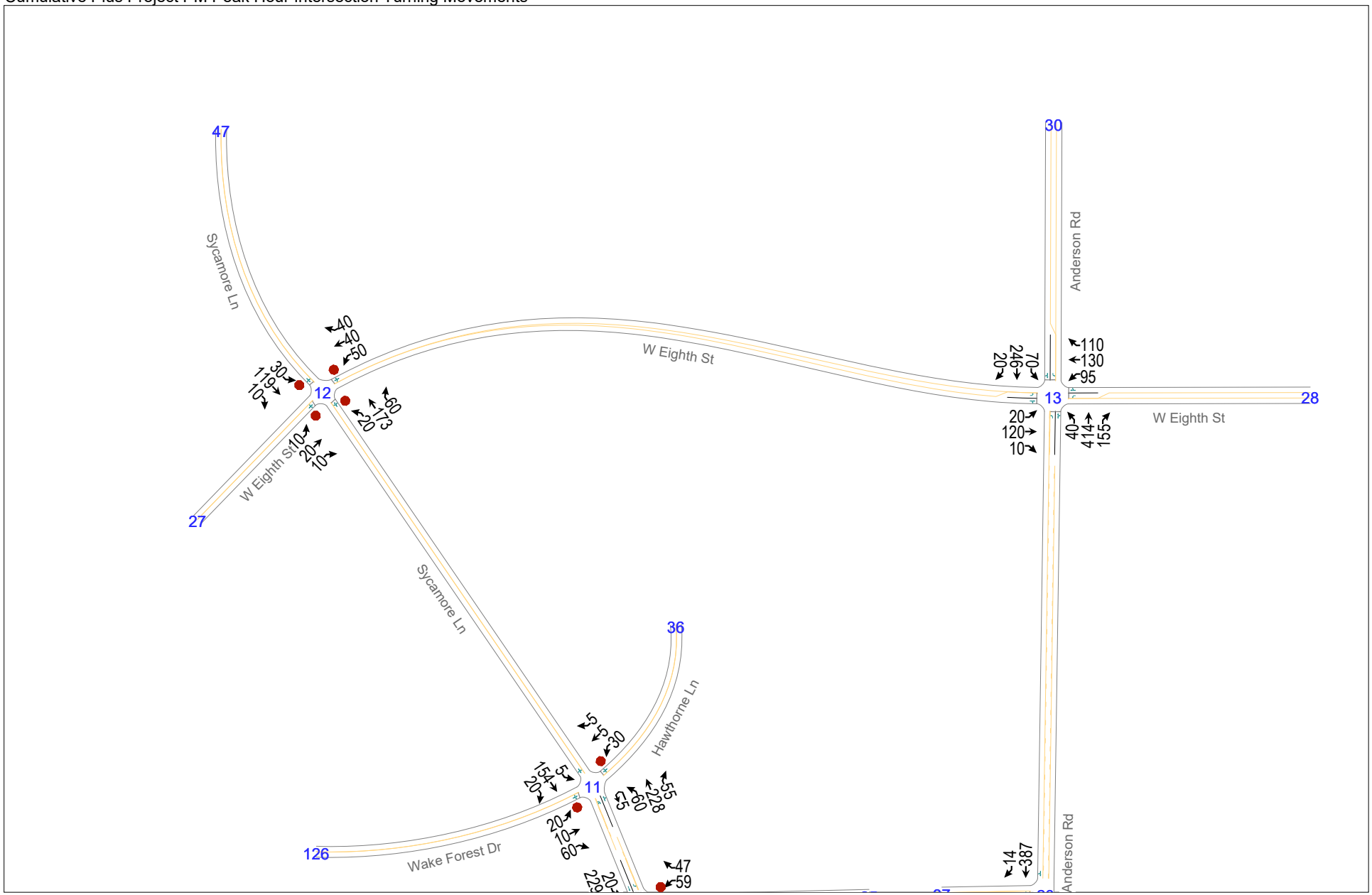

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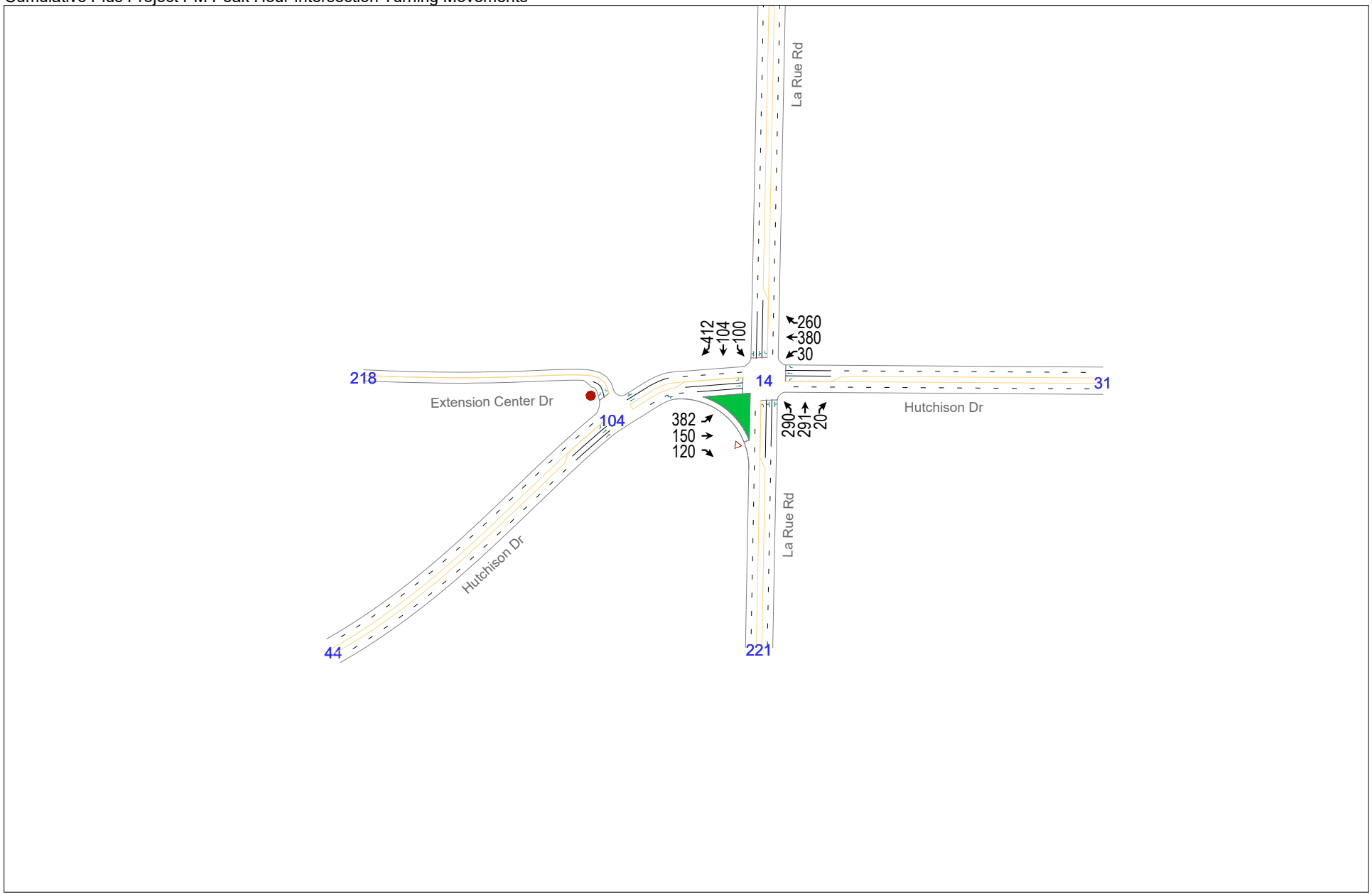

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Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	237	235	99.3%	32.1	3.5	C
	Through						
	Right Turn	101	104	102.5%	5.8	0.7	A
	Subtotal	338	339	100.3%	24.2	3.0	C
EB	Left Turn						
	Through	614	609	99.2%	5.5	1.4	A
	Right Turn	592	609	102.9%	4.2	0.6	A
	Subtotal	1,206	1,218	101.0%	4.9	0.8	A
WB	Left Turn						
	Through	483	479	99.1%	6.1	1.8	A
	Right Turn	207	205	99.1%	2.6	0.3	A
	Subtotal	690	684	99.1%	5.0	1.2	A
Total		2,234	2,241	100.3%	8.0	1.0	A

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	218	211	96.9%	25.1	4.5	C
	Through	1	1	60.0%	4.5	10.8	A
	Right Turn	219	223	101.7%	26.1	3.9	C
	Subtotal	438	435	99.2%	25.6	3.1	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	92	90	98.2%	29.4	5.3	C
	Through	759	752	99.1%	11.0	2.0	B
	Right Turn						
	Subtotal	851	842	99.0%	13.0	1.7	B
WB	Left Turn	1	1	50.0%	54.0	19.9	D
	Through	472	473	100.1%	16.4	2.7	B
	Right Turn	77	78	101.2%	10.4	4.7	B
	Subtotal	550	551	100.2%	15.6	2.8	B
Total		1,839	1,828	99.4%	16.8	1.0	B

Intersection 3 **Orchard Park/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	36	35	98.3%	30.7	18.3	D
	Through						
	Right Turn	44	46	104.3%	17.1	12.4	C
	Subtotal	80	81	101.6%	23.2	14.8	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	3	2	56.7%	2.8	2.5	A
	Through	871	866	99.4%	1.1	0.2	A
	Right Turn	105	110	104.9%	1.1	0.2	A
	Subtotal	979	978	99.8%	1.1	0.2	A
WB	Left Turn	43	39	91.6%	10.7	1.9	B
	Through	519	519	99.9%	1.5	0.3	A
	Right Turn						
	Subtotal	562	558	99.3%	2.0	0.4	A
Total		1,621	1,617	99.7%	2.5	1.0	A

Intersection 4 **Sycamore Ln/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	142	134	94.5%	37.0	5.5	D
	Right Turn						
	Subtotal	142	134	94.5%	37.0	5.5	D
SB	Left Turn	96	91	94.9%	45.4	6.3	D
	Through						
	Right Turn	228	229	100.5%	24.1	3.5	C
	Subtotal	324	320	98.9%	30.2	3.4	C
EB	Left Turn	220	219	99.3%	39.3	7.5	D
	Through	695	690	99.2%	10.0	1.8	B
	Right Turn						
	Subtotal	915	908	99.2%	17.3	2.8	B
WB	Left Turn						
	Through	332	327	98.6%	15.6	3.8	B
	Right Turn	42	44	105.5%	7.6	2.2	A
	Subtotal	374	372	99.4%	14.7	3.4	B
Total		1,755	1,734	98.8%	20.5	1.7	C

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Existing Conditions**
Volume and Delay by Movement **AM Peak Hour**

Intersection 5 **Anderson Rd/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	38	36	93.4%	44.1	9.3	D
	Through	73	71	97.3%	24.6	5.6	C
	Right Turn	102	106	104.3%	1.4	0.2	A
	Subtotal	213	213	100.0%	15.0	2.0	B
SB	Left Turn	150	150	100.3%	50.0	4.4	D
	Through	338	322	95.4%	28.9	5.3	C
	Right Turn	74	75	101.9%	22.6	6.1	C
	Subtotal	562	548	97.5%	33.6	5.1	C
EB	Left Turn	95	94	98.4%	66.6	11.6	E
	Through	591	584	98.8%	21.5	2.9	C
	Right Turn	105	104	99.0%	4.5	1.3	A
	Subtotal	791	781	98.8%	24.5	3.5	C
WB	Left Turn	191	188	98.6%	46.2	7.9	D
	Through	240	243	101.3%	28.4	2.8	C
	Right Turn	54	51	94.3%	8.4	3.4	A
	Subtotal	485	482	99.4%	33.2	3.9	C
Total		2,051	2,025	98.7%	27.9	1.9	C

Intersection 6 **California Ave/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	60	60	100.2%	14.7	6.0	B
	Subtotal	60	60	100.2%	14.7	6.0	B
SB	Left Turn						
	Through						
	Right Turn	2	2	110.0%	2.9	4.5	A
	Subtotal	2	2	110.0%	2.9	4.5	A
EB	Left Turn						
	Through	652	649	99.5%	3.8	0.8	A
	Right Turn	201	200	99.5%	5.3	1.3	A
	Subtotal	853	849	99.5%	4.2	0.8	A
WB	Left Turn	121	116	96.1%	16.8	3.6	C
	Through	486	484	99.6%	1.8	0.6	A
	Right Turn						
	Subtotal	607	600	98.9%	4.6	1.0	A
Total		1,522	1,511	99.3%	4.9	0.8	A

Intersection 7 **Oak Ave/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	85	86	100.7%	68.8	22.3	E
	Right Turn						
	Subtotal	85	86	100.7%	68.8	22.3	E
SB	Left Turn	59	56	94.4%	45.7	10.9	D
	Through						
	Right Turn	63	65	103.0%	6.6	1.3	A
	Subtotal	122	121	98.9%	22.1	2.4	C
EB	Left Turn	72	71	98.6%	16.8	4.4	B
	Through	640	641	100.1%	8.7	1.9	A
	Right Turn						
	Subtotal	712	712	99.9%	9.5	1.9	A
WB	Left Turn						
	Through	515	513	99.6%	4.8	0.7	A
	Right Turn	31	31	100.6%	2.0	1.2	A
	Subtotal	546	544	99.6%	4.7	0.7	A
Total		1,465	1,462	99.8%	12.1	1.6	B

Intersection 8 **College Park -Howard Way/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	57	57	100.4%	38.7	6.7	D
	Through						
	Right Turn	41	41	99.0%	6.0	2.0	A
	Subtotal	98	98	99.8%	25.4	4.4	C
SB	Left Turn	11	11	98.2%	47.6	18.2	D
	Through						
	Right Turn	16	15	91.9%	6.9	2.9	A
	Subtotal	27	26	94.4%	28.5	14.5	C
EB	Left Turn	14	13	91.4%	62.8	19.9	E
	Through	471	464	98.6%	13.5	3.3	B
	Right Turn	214	218	101.7%	13.0	4.4	B
	Subtotal	699	695	99.4%	14.3	3.8	B
WB	Left Turn	211	211	100.1%	39.6	6.6	D
	Through	469	468	99.7%	7.5	2.8	A
	Right Turn	9	10	108.9%	6.8	11.4	A
	Subtotal	689	689	99.9%	17.4	3.0	B
Total		1,513	1,506	99.6%	17.0	2.1	B

Intersection 9 **A St/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	88	86	97.3%	35.5	4.7	D
	Through	10	11	110.0%	27.7	20.1	C
	Right Turn	21	19	91.4%	32.2	12.8	C
	Subtotal	119	116	97.3%	34.7	5.2	C
SB	Left Turn	12	11	93.3%	32.9	20.3	C
	Through	111	109	98.6%	36.9	6.0	D
	Right Turn	22	22	100.0%	5.7	2.2	A
	Subtotal	145	143	98.3%	32.5	5.6	C
EB	Left Turn	21	20	93.3%	26.8	10.5	C
	Through	473	470	99.3%	17.0	5.2	B
	Right Turn						
	Subtotal	494	489	99.0%	17.4	5.2	B
WB	Left Turn						
	Through	545	547	100.3%	18.1	2.3	B
	Right Turn	10	10	97.0%	10.3	8.1	B
	Subtotal	555	557	100.3%	18.0	2.3	B
Total		1,313	1,304	99.3%	20.9	2.4	C

Intersection 10 **B St/Russell Blvd-5th St** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	147	148	100.5%	38.6	3.9	D
	Through	122	123	100.8%	22.8	4.5	C
	Right Turn	18	21	116.1%	23.6	8.2	C
	Subtotal	287	292	101.6%	30.9	3.0	C
SB	Left Turn	59	56	94.6%	56.9	9.7	E
	Through	245	243	99.1%	33.6	3.6	C
	Right Turn	25	26	105.2%	38.5	13.4	D
	Subtotal	329	325	98.8%	38.4	4.6	D
EB	Left Turn	11	10	92.7%	67.9	26.1	E
	Through	281	282	100.3%	28.3	6.2	C
	Right Turn	214	210	98.3%	5.7	2.3	A
	Subtotal	506	502	99.3%	19.6	4.1	B
WB	Left Turn	83	78	93.6%	47.5	9.0	D
	Through	383	384	100.2%	22.3	4.5	C
	Right Turn	73	75	102.3%	5.2	1.3	A
	Subtotal	539	536	99.5%	23.4	3.1	C
Total		1,661	1,655	99.6%	26.6	0.9	C

Intersection	
Int Delay, s/veh	2.7

Movement	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	1	3	1	51	16	1	1	43	147	36	2	281	5
Future Vol, veh/h	1	3	1	51	16	1	1	43	147	36	2	281	5
Conflicting Peds, #/hr	0	3	0	8	8	0	3	180	0	23	23	0	180
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	70	-	-	-	-	-
Veh in Median Storage, #	-	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	87	87	87	87	87	87	87	87	87	87
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	1	3	1	59	18	1	1	49	169	41	2	323	6

Major/Minor	Minor2				Minor1			Major1			Major2		
Conflicting Flow All	0	802	841	514	679	824	216	509	0	0	233	0	0
Stage 1	0	510	510	-	311	311	-	-	-	-	-	-	-
Stage 2	0	292	331	-	368	513	-	-	-	-	-	-	-
Critical Hdwy	-	7.13	6.53	6.23	7.13	6.53	6.23	4.13	-	-	4.13	-	-
Critical Hdwy Stg 1	-	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-
Follow-up Hdwy	-	3.527	4.027	3.327	3.527	4.027	3.327	2.227	-	-	2.227	-	-
Pot Cap-1 Maneuver	0	301	300	558	364	307	821	1051	-	-	1329	-	-
Stage 1	0	544	536	-	697	656	-	-	-	-	-	-	-
Stage 2	0	714	643	-	650	534	-	-	-	-	-	-	-
Platoon blocked, %	-								-	-		-	-
Mov Cap-1 Maneuver	0	243	236	471	296	241	803	893	-	-	1304	-	-
Mov Cap-2 Maneuver	0	243	236	-	296	241	-	-	-	-	-	-	-
Stage 1	0	437	455	-	646	608	-	-	-	-	-	-	-
Stage 2	0	671	596	-	563	453	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	14.6	17.8	1.8	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	893	-	-	440	303	1304	-	-
HCM Lane V/C Ratio	0.055	-	-	0.144	0.068	0.002	-	-
HCM Control Delay (s)	9.3	-	-	14.6	17.8	7.8	0	-
HCM Lane LOS	A	-	-	B	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.5	0.2	0	-	-

Intersection	
Intersection Delay, s/veh	9.5
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	4	15	18	105	8	33	5	102	44	59	155	4
Future Vol, veh/h	4	15	18	105	8	33	5	102	44	59	155	4
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	5	17	21	121	9	38	6	117	51	68	178	5
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.3	9.6	9	10.1
HCM LOS	A	A	A	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	3%	11%	72%	27%
Vol Thru, %	68%	41%	5%	71%
Vol Right, %	29%	49%	23%	2%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	151	37	146	218
LT Vol	5	4	105	59
Through Vol	102	15	8	155
RT Vol	44	18	33	4
Lane Flow Rate	174	43	168	251
Geometry Grp	1	1	1	1
Degree of Util (X)	0.222	0.058	0.233	0.329
Departure Headway (Hd)	4.612	4.905	5	4.726
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	774	724	715	759
Service Time	2.663	2.974	3.056	2.772
HCM Lane V/C Ratio	0.225	0.059	0.235	0.331
HCM Control Delay	9	8.3	9.6	10.1
HCM Lane LOS	A	A	A	B
HCM 95th-tile Q	0.8	0.2	0.9	1.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	14	133	30	130	99	59	18	152	30	67	382	21
Future Volume (veh/h)	14	133	30	130	99	59	18	152	30	67	382	21
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94	1.00		0.94	1.00		0.97	1.00		0.62
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	16	153	28	149	114	54	21	175	28	77	439	23
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	69	364	67	196	365	173	43	505	81	106	608	32
Arrive On Green	0.04	0.24	0.24	0.11	0.31	0.31	0.02	0.33	0.33	0.06	0.36	0.36
Sat Flow, veh/h	1767	1508	276	1767	1164	551	1767	1553	248	1767	1687	88
Grp Volume(v), veh/h	16	0	181	149	0	168	21	0	203	77	0	462
Grp Sat Flow(s),veh/h/ln	1767	0	1784	1767	0	1716	1767	0	1801	1767	0	1775
Q Serve(g_s), s	0.5	0.0	5.2	5.0	0.0	4.5	0.7	0.0	5.2	2.6	0.0	13.7
Cycle Q Clear(g_c), s	0.5	0.0	5.2	5.0	0.0	4.5	0.7	0.0	5.2	2.6	0.0	13.7
Prop In Lane	1.00		0.15	1.00		0.32	1.00		0.14	1.00		0.05
Lane Grp Cap(c), veh/h	69	0	431	196	0	538	43	0	586	106	0	640
V/C Ratio(X)	0.23	0.00	0.42	0.76	0.00	0.31	0.48	0.00	0.35	0.73	0.00	0.72
Avail Cap(c_a), veh/h	724	0	731	724	0	985	724	0	1329	724	0	1310
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	28.4	0.0	19.5	26.3	0.0	15.9	29.4	0.0	15.6	28.2	0.0	16.9
Incr Delay (d2), s/veh	1.7	0.0	0.7	6.0	0.0	0.3	8.1	0.0	0.8	9.2	0.0	3.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	2.1	2.3	0.0	1.7	0.4	0.0	2.1	1.3	0.0	5.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	30.1	0.0	20.2	32.3	0.0	16.3	37.5	0.0	16.4	37.4	0.0	20.1
LnGrp LOS	C	A	C	C	A	B	D	A	B	D	A	C
Approach Vol, veh/h		197			317			224			539	
Approach Delay, s/veh		21.0			23.8			18.4			22.6	
Approach LOS		C			C			B			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.6	23.8	10.8	18.7	5.5	26.0	6.4	23.1
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	25.0	45.0	25.0	25.0	25.0	45.0	25.0	35.0
Max Q Clear Time (g_c+I1), s	4.6	7.2	7.0	7.2	2.7	15.7	2.5	6.5
Green Ext Time (p_c), s	0.2	2.6	0.4	0.9	0.0	6.3	0.0	1.1

Intersection Summary	
HCM 6th Ctrl Delay	21.9
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	172	422	255	10	71	70	71	96	15	160	180	143
Future Volume (veh/h)	172	422	255	10	71	70	71	96	15	160	180	143
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.86
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	198	485	0	11	82	0	65	133	4	137	272	21
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	266	1136		30	351	297	219	445	13	399	759	58
Arrive On Green	0.15	0.32	0.00	0.02	0.19	0.00	0.12	0.12	0.12	0.23	0.23	0.23
Sat Flow, veh/h	1767	3618	0	1767	1856	1572	1767	3581	107	1767	3361	256
Grp Volume(v), veh/h	198	485	0	11	82	0	65	69	68	137	148	145
Grp Sat Flow(s),veh/h/ln	1767	1763	0	1767	1856	1572	1767	1856	1833	1767	1856	1761
Q Serve(g_s), s	5.5	5.6	0.0	0.3	1.9	0.0	1.7	1.7	1.7	3.3	3.5	3.6
Cycle Q Clear(g_c), s	5.5	5.6	0.0	0.3	1.9	0.0	1.7	1.7	1.7	3.3	3.5	3.6
Prop In Lane	1.00		0.00	1.00		1.00	1.00		0.06	1.00		0.15
Lane Grp Cap(c), veh/h	266	1136		30	351	297	219	230	228	399	419	398
V/C Ratio(X)	0.75	0.43		0.37	0.23	0.00	0.30	0.30	0.30	0.34	0.35	0.36
Avail Cap(c_a), veh/h	686	1369		686	721	611	686	721	712	686	721	684
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.9	13.7	0.0	25.0	17.7	0.0	20.5	20.5	20.5	16.7	16.8	16.8
Incr Delay (d2), s/veh	1.6	0.1	0.0	2.8	0.1	0.0	0.3	0.3	0.3	0.2	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	1.9	0.0	0.1	0.8	0.0	0.7	0.7	0.7	1.2	1.3	1.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.5	13.8	0.0	27.8	17.8	0.0	20.8	20.8	20.8	16.9	17.0	17.0
LnGrp LOS	C	B		C	B	A	C	C	C	B	B	B
Approach Vol, veh/h		683	A		93			202			430	
Approach Delay, s/veh		16.3			19.0			20.8			17.0	
Approach LOS		B			B			C			B	

Timer - Assigned Phs	2	3	4	6	7	8
Phs Duration (G+Y+Rc), s	15.6	4.9	20.6	10.4	11.7	13.7
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	20.0	20.0	20.0	20.0	20.0	20.0
Max Q Clear Time (g_c+I1), s	5.6	2.3	7.6	3.7	7.5	3.9
Green Ext Time (p_c), s	1.1	0.0	1.8	0.5	0.2	0.2

Intersection Summary	
HCM 6th Ctrl Delay	17.3
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	132	133	100.5%	33.1	7.3	C
	Through	2	2	85.0%	4.6	9.8	A
	Right Turn	61	61	100.0%	7.4	1.8	A
	Subtotal	195	195	100.2%	24.6	5.4	C
EB	Left Turn						
	Through	383	373	97.3%	3.4	0.8	A
	Right Turn	156	159	101.7%	1.8	0.3	A
	Subtotal	539	531	98.6%	2.9	0.6	A
WB	Left Turn	4	2	42.5%	5.5	12.6	A
	Through	809	805	99.4%	5.7	1.2	A
	Right Turn	212	213	100.3%	3.2	0.7	A
	Subtotal	1,025	1,019	99.4%	5.2	1.1	A
Total		1,759	1,746	99.2%	6.7	1.0	A

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	396	395	99.6%	28.6	9.2	C
	Through	1	1	120.0%	9.6	18.2	A
	Right Turn	260	260	100.1%	24.2	4.8	C
	Subtotal	657	656	99.8%	26.8	6.7	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	65	60	91.7%	48.5	15.9	D
	Through	453	447	98.7%	16.8	4.4	B
	Right Turn						
	Subtotal	518	507	97.9%	21.0	3.5	C
WB	Left Turn						
	Through	627	624	99.6%	27.3	5.0	C
	Right Turn	272	263	96.5%	21.3	5.0	C
	Subtotal	899	887	98.6%	25.4	4.8	C
Total		2,074	2,050	98.8%	24.7	2.5	C

Intersection 3 **Orchard Park/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	72	69	95.4%	40.9	21.9	E
	Through						
	Right Turn	92	94	101.7%	27.7	21.7	D
	Subtotal	164	162	99.0%	33.0	22.3	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	668	660	98.9%	1.8	0.2	A
	Right Turn	45	46	102.7%	2.0	0.8	A
	Subtotal	713	707	99.1%	1.8	0.2	A
WB	Left Turn	56	51	91.3%	6.0	0.9	A
	Through	827	821	99.3%	2.5	0.4	A
	Right Turn						
	Subtotal	883	873	98.8%	2.7	0.4	A
Total		1,760	1,741	98.9%	5.2	2.2	A

Intersection 4 **Sycamore Ln/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	153	152	99.6%	30.5	4.4	C
	Right Turn						
	Subtotal	153	152	99.6%	30.5	4.4	C
SB	Left Turn	92	95	102.9%	43.3	3.1	D
	Through						
	Right Turn	199	202	101.3%	23.8	3.1	C
	Subtotal	291	296	101.8%	29.9	2.3	C
EB	Left Turn	262	260	99.3%	41.6	5.7	D
	Through	502	498	99.1%	8.7	1.6	A
	Right Turn						
	Subtotal	764	758	99.2%	20.2	2.8	C
WB	Left Turn						
	Through	681	670	98.4%	24.1	2.2	C
	Right Turn	75	76	101.7%	18.4	4.3	B
	Subtotal	756	746	98.7%	23.5	2.2	C
Total		1,964	1,952	99.4%	23.8	1.8	C

Intersection 5 **Anderson Rd/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	170	168	99.1%	37.4	6.5	D
	Through	325	320	98.5%	24.6	2.4	C
	Right Turn	327	324	99.2%	3.6	2.1	A
	Subtotal	822	813	98.9%	19.0	2.1	B
SB	Left Turn	164	161	98.0%	52.4	12.8	D
	Through	175	168	95.7%	31.0	8.0	C
	Right Turn	68	69	101.3%	18.7	7.1	B
	Subtotal	407	397	97.6%	37.8	9.8	D
EB	Left Turn	107	108	100.7%	57.4	6.4	E
	Through	426	421	98.9%	16.9	1.9	B
	Right Turn	61	65	105.7%	1.7	0.3	A
	Subtotal	594	594	99.9%	22.4	2.5	C
WB	Left Turn	176	178	101.0%	46.9	3.9	D
	Through	600	597	99.5%	28.1	2.1	C
	Right Turn	99	95	95.6%	17.5	4.1	B
	Subtotal	875	869	99.3%	30.5	1.3	C
Total		2,698	2,673	99.1%	26.4	1.7	C

Intersection 6 **California Ave/Rissell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	200	197	98.7%	20.4	9.1	C
	Subtotal	200	197	98.7%	20.4	9.1	C
SB	Left Turn						
	Through						
	Right Turn	4	3	72.5%	5.9	7.9	A
	Subtotal	4	3	72.5%	5.9	7.9	A
EB	Left Turn						
	Through	810	805	99.4%	2.9	0.6	A
	Right Turn	97	94	96.8%	2.4	1.0	A
	Subtotal	907	899	99.1%	2.8	0.6	A
WB	Left Turn	58	58	99.8%	12.5	3.9	B
	Through	888	883	99.4%	2.2	0.9	A
	Right Turn	4	4	102.5%	0.7	1.0	A
	Subtotal	950	945	99.4%	2.8	0.9	A
Total		2,061	2,044	99.2%	4.7	1.0	A

Intersection 7 **Oak Ave/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	47	50	105.3%	36.6	7.6	D
	Right Turn						
	Subtotal	47	50	105.3%	36.6	7.6	D
SB	Left Turn	32	30	93.4%	41.6	17.2	D
	Through						
	Right Turn	31	33	107.4%	9.6	3.7	A
	Subtotal	63	63	100.3%	26.5	12.8	C
EB	Left Turn	154	153	99.4%	18.6	6.7	B
	Through	860	856	99.5%	8.0	3.9	A
	Right Turn						
	Subtotal	1,014	1,009	99.5%	9.6	4.0	A
WB	Left Turn						
	Through	848	862	101.6%	6.8	1.9	A
	Right Turn	51	50	98.4%	5.0	1.7	A
	Subtotal	899	912	101.5%	6.7	1.9	A
Total		2,023	2,034	100.5%	9.5	2.5	A

Intersection 8 **College Park -Howard Way/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	177	178	100.7%	43.4	26.4	D
	Through	11	10	91.8%	18.4	9.5	B
	Right Turn	227	228	100.6%	19.0	6.5	B
	Subtotal	415	417	100.4%	28.9	13.6	C
SB	Left Turn	16	15	96.3%	36.6	11.9	D
	Through						
	Right Turn	29	30	104.8%	8.3	2.6	A
	Subtotal	45	46	101.8%	18.2	5.4	B
EB	Left Turn	34	32	95.3%	96.7	14.2	F
	Through	772	767	99.3%	57.3	16.8	E
	Right Turn	86	84	98.1%	53.8	17.3	D
	Subtotal	892	884	99.1%	58.4	16.3	E
WB	Left Turn	98	96	97.9%	45.8	8.6	D
	Through	678	675	99.5%	22.9	4.9	C
	Right Turn	33	35	104.8%	18.2	5.9	B
	Subtotal	809	805	99.6%	25.6	4.7	C
Total		2,161	2,152	99.6%	38.8	6.8	D

Intersection 9 **A St/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	114	115	100.7%	27.4	6.5	C
	Through	34	31	92.4%	26.5	10.0	C
	Right Turn	35	38	108.6%	32.9	12.3	C
	Subtotal	183	184	100.7%	28.6	8.2	C
SB	Left Turn	13	13	98.5%	40.0	25.1	D
	Through	18	19	102.8%	33.4	15.6	C
	Right Turn	30	33	108.7%	6.0	1.7	A
	Subtotal	61	64	104.8%	19.2	6.9	B
EB	Left Turn	11	10	89.1%	32.7	22.6	C
	Through	977	986	100.9%	25.6	7.6	C
	Right Turn						
	Subtotal	988	996	100.8%	25.7	7.6	C
WB	Left Turn						
	Through	631	623	98.7%	19.4	2.8	B
	Right Turn	10	12	118.0%	13.5	8.9	B
	Subtotal	641	634	99.0%	19.2	2.8	B
Total		1,873	1,878	100.3%	23.7	4.6	C

Intersection 10 **B St/Russell Blvd-5th St** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	181	181	99.9%	43.3	6.4	D
	Through	137	143	104.2%	22.2	2.5	C
	Right Turn	39	38	98.2%	19.2	8.8	B
	Subtotal	357	362	101.3%	32.7	2.8	C
SB	Left Turn	55	55	100.5%	45.8	6.8	D
	Through	138	143	103.3%	30.6	4.7	C
	Right Turn	23	22	97.4%	28.0	8.0	C
	Subtotal	216	220	101.9%	33.9	4.1	C
EB	Left Turn	17	18	104.1%	55.0	21.2	D
	Through	556	557	100.2%	15.2	2.4	B
	Right Turn	447	442	98.8%	5.4	1.1	A
	Subtotal	1,020	1,016	99.6%	11.7	1.9	B
WB	Left Turn	49	47	96.1%	45.4	8.4	D
	Through	437	429	98.3%	16.6	2.6	B
	Right Turn	76	80	104.6%	4.6	1.1	A
	Subtotal	562	556	98.9%	17.4	2.7	B
Total		2,155	2,154	100.0%	19.1	1.3	B

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	13	5	57	23	1	2	2	51	192	41	4	134	11
Future Vol, veh/h	13	5	57	23	1	2	2	51	192	41	4	134	11
Conflicting Peds, #/hr	5	0	13	13	0	5	0	52	0	122	122	0	52
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	70	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	14	5	60	24	1	2	2	54	202	43	4	141	12

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	545	686	212	655	671	351	-	205	0	0	367	0	0
Stage 1	207	207	-	454	458	-	-	-	-	-	-	-	-
Stage 2	338	479	-	201	213	-	-	-	-	-	-	-	-
Critical Hdwy	7.13	6.53	6.23	7.13	6.53	6.23	-	4.13	-	-	4.13	-	-
Critical Hdwy Stg 1	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.527	4.027	3.327	3.527	4.027	3.327	-	2.227	-	-	2.227	-	-
Pot Cap-1 Maneuver	448	369	826	378	376	690	-	1360	-	-	1186	-	-
Stage 1	793	729	-	584	565	-	-	-	-	-	-	-	-
Stage 2	674	553	-	799	724	-	-	-	-	-	-	-	-
Platoon blocked, %									-	-		-	-
Mov Cap-1 Maneuver	423	316	782	305	322	617	~ -27	~ -27	-	-	1065	-	-
Mov Cap-2 Maneuver	423	316	-	305	322	-	-	-	-	-	-	-	-
Stage 1	793	695	-	584	507	-	-	-	-	-	-	-	-
Stage 2	668	497	-	721	690	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	11.6	17.4		0.2
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	+	-	-	628	318	1065	-	-
HCM Lane V/C Ratio	-	-	-	0.126	0.086	0.004	-	-
HCM Control Delay (s)	-	-	-	11.6	17.4	8.4	0	-
HCM Lane LOS	-	-	-	B	C	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0.4	0.3	0	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Intersection Delay, s/veh	8.6
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	7	14	5	41	24	31	13	142	52	27	103	4
Future Vol, veh/h	7	14	5	41	24	31	13	142	52	27	103	4
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	7	15	5	43	25	33	14	149	55	28	108	4
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8	8.4	8.8	8.5
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	6%	27%	43%	20%
Vol Thru, %	69%	54%	25%	77%
Vol Right, %	25%	19%	32%	3%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	207	26	96	134
LT Vol	13	7	41	27
Through Vol	142	14	24	103
RT Vol	52	5	31	4
Lane Flow Rate	218	27	101	141
Geometry Grp	1	1	1	1
Degree of Util (X)	0.259	0.037	0.131	0.177
Departure Headway (Hd)	4.28	4.82	4.677	4.514
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	841	743	767	796
Service Time	2.3	2.852	2.705	2.536
HCM Lane V/C Ratio	0.259	0.036	0.132	0.177
HCM Control Delay	8.8	8	8.4	8.5
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1	0.1	0.4	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	117	9	68	112	84	25	351	138	46	220	17
Future Volume (veh/h)	16	117	9	68	112	84	25	351	138	46	220	17
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.98	1.00		0.84	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	17	123	7	72	118	68	26	369	138	48	232	17
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	73	294	17	134	223	129	52	513	192	83	746	55
Arrive On Green	0.04	0.17	0.17	0.08	0.20	0.20	0.03	0.42	0.42	0.05	0.44	0.44
Sat Flow, veh/h	1767	1733	99	1767	1093	630	1767	1216	455	1767	1701	125
Grp Volume(v), veh/h	17	0	130	72	0	186	26	0	507	48	0	249
Grp Sat Flow(s),veh/h/ln	1767	0	1831	1767	0	1723	1767	0	1671	1767	0	1826
Q Serve(g_s), s	0.5	0.0	3.6	2.2	0.0	5.4	0.8	0.0	14.1	1.5	0.0	5.0
Cycle Q Clear(g_c), s	0.5	0.0	3.6	2.2	0.0	5.4	0.8	0.0	14.1	1.5	0.0	5.0
Prop In Lane	1.00		0.05	1.00		0.37	1.00		0.27	1.00		0.07
Lane Grp Cap(c), veh/h	73	0	311	134	0	352	52	0	705	83	0	801
V/C Ratio(X)	0.23	0.00	0.42	0.54	0.00	0.53	0.50	0.00	0.72	0.58	0.00	0.31
Avail Cap(c_a), veh/h	789	0	818	789	0	1078	789	0	1344	789	0	1468
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	26.0	0.0	20.8	24.9	0.0	19.9	26.7	0.0	13.4	26.1	0.0	10.2
Incr Delay (d2), s/veh	1.6	0.0	0.9	3.3	0.0	1.2	7.1	0.0	3.0	6.2	0.0	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.5	1.0	0.0	2.1	0.4	0.0	5.2	0.7	0.0	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.5	0.0	21.7	28.2	0.0	21.1	33.8	0.0	16.4	32.3	0.0	10.7
LnGrp LOS	C	A	C	C	A	C	C	A	B	C	A	B
Approach Vol, veh/h		147			258			533			297	
Approach Delay, s/veh		22.3			23.1			17.2			14.2	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.6	27.6	8.2	13.5	5.7	28.6	6.3	15.4
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	25.0	45.0	25.0	25.0	25.0	45.0	25.0	35.0
Max Q Clear Time (g_c+I1), s	3.5	16.1	4.2	5.6	2.8	7.0	2.5	7.4
Green Ext Time (p_c), s	0.1	7.5	0.1	0.6	0.0	3.1	0.0	1.2

Intersection Summary	
HCM 6th Ctrl Delay	18.3
HCM 6th LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	242	132	94	25	300	260	189	289	14	95	96	162
Future Volume (veh/h)	242	132	94	25	300	260	189	289	14	95	96	162
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		0.89	1.00		0.94
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	255	139	0	26	316	200	169	346	3	80	128	40
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	312	1321		62	433	357	347	720	6	228	349	104
Arrive On Green	0.18	0.37	0.00	0.04	0.23	0.23	0.20	0.20	0.20	0.13	0.13	0.13
Sat Flow, veh/h	1767	3618	0	1767	1856	1530	1767	3669	32	1767	2707	803
Grp Volume(v), veh/h	255	139	0	26	316	200	169	175	174	80	86	82
Grp Sat Flow(s),veh/h/ln	1767	1763	0	1767	1856	1530	1767	1856	1845	1767	1856	1655
Q Serve(g_s), s	8.4	1.5	0.0	0.9	9.5	7.0	5.1	5.0	5.1	2.5	2.5	2.8
Cycle Q Clear(g_c), s	8.4	1.5	0.0	0.9	9.5	7.0	5.1	5.0	5.1	2.5	2.5	2.8
Prop In Lane	1.00		0.00	1.00		1.00	1.00		0.02	1.00		0.49
Lane Grp Cap(c), veh/h	312	1321		62	433	357	347	364	362	228	239	213
V/C Ratio(X)	0.82	0.11		0.42	0.73	0.56	0.49	0.48	0.48	0.35	0.36	0.39
Avail Cap(c_a), veh/h	586	1321		586	615	507	586	615	612	586	615	548
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.9	12.3	0.0	28.5	21.4	20.4	21.6	21.5	21.5	24.0	24.0	24.1
Incr Delay (d2), s/veh	2.0	0.0	0.0	1.7	1.2	0.5	0.4	0.4	0.4	0.3	0.3	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	0.6	0.0	0.4	3.9	2.3	2.0	2.1	2.1	1.0	1.1	1.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.9	12.3	0.0	30.2	22.6	20.9	22.0	21.9	21.9	24.3	24.3	24.5
LnGrp LOS	C	B		C	C	C	C	C	C	C	C	C
Approach Vol, veh/h		394	A		542			518			248	
Approach Delay, s/veh		21.1			22.3			21.9			24.4	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	2	3	4	6	7	8
Phs Duration (G+Y+Rc), s	11.8	6.1	26.6	15.8	14.6	18.1
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	20.0	20.0	20.0	20.0	20.0	20.0
Max Q Clear Time (g_c+I1), s	4.8	2.9	3.5	7.1	10.4	11.5
Green Ext Time (p_c), s	0.6	0.0	0.4	1.3	0.3	1.1

Intersection Summary	
HCM 6th Ctrl Delay	22.2
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **EPP Conditions**
Volume and Delay by Movement **AM Peak Hour**

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	242	247	101.9%	32.8	4.1	C
	Through						
	Right Turn	101	103	102.0%	5.5	2.1	A
	Subtotal	343	350	101.9%	25.3	3.6	C
EB	Left Turn						
	Through	617	616	99.9%	5.5	1.3	A
	Right Turn	592	595	100.5%	3.9	0.5	A
	Subtotal	1,209	1,212	100.2%	4.7	0.8	A
WB	Left Turn						
	Through	483	494	102.2%	6.2	1.6	A
	Right Turn	221	221	100.0%	2.4	0.4	A
	Subtotal	704	714	101.5%	5.1	1.1	A
Total		2,256	2,276	100.9%	8.1	0.8	A

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	218	219	100.4%	23.8	3.7	C
	Through	1	1	120.0%	17.9	25.7	B
	Right Turn	227	232	102.3%	24.8	5.8	C
	Subtotal	446	452	101.4%	24.4	4.1	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	92	86	93.8%	30.1	9.2	C
	Through	767	773	100.8%	11.9	2.2	B
	Right Turn						
	Subtotal	859	860	100.1%	13.5	2.1	B
WB	Left Turn	1	1	60.0%	#DIV/0!	#DIV/0!	#DIV/0!
	Through	486	496	102.0%	16.5	3.7	B
	Right Turn	84	83	98.3%	7.9	3.1	A
	Subtotal	571	579	101.3%	15.2	3.7	B
Total		1,876	1,891	100.8%	16.6	2.0	B

Intersection 3 **Orchard Park/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	36	35	97.2%	35.4	18.3	E
	Through						
	Right Turn	44	44	100.0%	15.5	12.3	C
	Subtotal	80	79	98.8%	23.5	14.1	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	3	3	83.3%	5.2	6.3	A
	Through	887	901	101.5%	1.2	0.3	A
	Right Turn	105	109	103.9%	1.5	0.4	A
	Subtotal	995	1,012	101.7%	1.3	0.3	A
WB	Left Turn	43	43	99.8%	11.2	4.4	B
	Through	540	545	100.9%	1.7	0.2	A
	Right Turn						
	Subtotal	583	588	100.8%	2.4	0.4	A
Total		1,658	1,679	101.3%	2.8	0.8	A

Intersection 4 **Sycamore Ln/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	167	167	100.1%	37.1	4.3	D
	Right Turn						
	Subtotal	167	167	100.1%	37.1	4.3	D
SB	Left Turn	96	88	91.6%	47.3	5.8	D
	Through						
	Right Turn	241	248	102.9%	27.1	2.6	C
	Subtotal	337	336	99.7%	32.1	2.4	C
EB	Left Turn	236	244	103.5%	35.7	3.8	D
	Through	695	696	100.1%	10.6	2.3	B
	Right Turn						
	Subtotal	931	940	101.0%	17.1	2.3	B
WB	Left Turn						
	Through	340	340	100.0%	20.6	3.7	C
	Right Turn	42	42	100.2%	10.7	6.3	B
	Subtotal	382	382	100.0%	19.6	3.6	B
Total		1,817	1,825	100.4%	22.3	1.5	C

Intersection 5 **Anderson Rd/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	40	39	97.3%	41.3	10.0	D
	Through	73	76	104.5%	24.1	5.8	C
	Right Turn	102	100	97.7%	1.2	0.2	A
	Subtotal	215	215	100.0%	17.2	2.2	B
SB	Left Turn	172	170	98.6%	49.0	9.2	D
	Through	341	348	102.0%	24.1	3.7	C
	Right Turn	74	72	97.2%	18.9	7.7	B
	Subtotal	587	589	100.4%	30.6	5.2	C
EB	Left Turn	95	87	91.1%	70.0	22.6	E
	Through	591	593	100.4%	23.3	9.0	C
	Right Turn	105	103	98.2%	6.1	5.6	A
	Subtotal	791	783	99.0%	27.1	11.1	C
WB	Left Turn	191	189	99.0%	51.5	6.5	D
	Through	254	263	103.5%	22.3	3.9	C
	Right Turn	57	53	93.5%	5.6	1.3	A
	Subtotal	502	505	100.6%	32.1	2.6	C
Total		2,095	2,092	99.9%	28.4	4.2	C

Intersection 6 **California Ave/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	60	62	102.5%	17.2	4.2	C
	Subtotal	60	62	102.5%	17.2	4.2	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	674	667	98.9%	4.0	0.7	A
	Right Turn	201	205	101.7%	5.9	0.7	A
	Subtotal	875	871	99.6%	4.5	0.6	A
WB	Left Turn	121	118	97.2%	16.6	5.2	C
	Through	501	504	100.5%	1.9	0.5	A
	Right Turn						
	Subtotal	622	621	99.9%	4.7	1.2	A
Total		1,557	1,554	99.8%	5.1	0.6	A

Intersection 7 **Oak Ave/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	85	83	97.5%	72.7	23.4	E
	Right Turn						
	Subtotal	85	83	97.5%	72.7	23.4	E
SB	Left Turn	59	55	92.4%	43.9	7.5	D
	Through						
	Right Turn	63	65	103.5%	5.9	1.4	A
	Subtotal	122	120	98.1%	22.0	5.6	C
EB	Left Turn	72	69	95.1%	12.3	5.5	B
	Through	662	662	100.0%	6.3	2.2	A
	Right Turn						
	Subtotal	734	730	99.5%	6.9	2.3	A
WB	Left Turn						
	Through	530	535	100.9%	4.9	1.0	A
	Right Turn	31	31	101.3%	2.8	0.7	A
	Subtotal	561	566	100.9%	4.8	1.0	A
Total		1,502	1,499	99.8%	11.1	1.7	B

Intersection 8 **College Park -Howard Way/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	57	54	94.2%	37.9	5.9	D
	Through						
	Right Turn	41	42	101.2%	4.2	1.1	A
	Subtotal	98	95	97.1%	24.7	4.0	C
SB	Left Turn	11	8	74.5%	49.7	18.5	D
	Through						
	Right Turn	16	15	95.0%	7.0	2.6	A
	Subtotal	27	23	86.7%	20.9	6.9	C
EB	Left Turn	14	14	97.1%	64.7	23.9	E
	Through	493	493	99.9%	28.8	7.5	C
	Right Turn	214	209	97.7%	27.2	9.5	C
	Subtotal	721	715	99.2%	29.1	7.9	C
WB	Left Turn	211	210	99.7%	38.2	7.0	D
	Through	484	488	100.8%	8.1	2.4	A
	Right Turn	9	11	123.3%	3.7	5.7	A
	Subtotal	704	710	100.8%	17.1	2.7	B
Total		1,550	1,543	99.6%	23.0	3.4	C

Intersection 9 **A St/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	88	90	101.9%	38.6	8.6	D
	Through	10	10	96.0%	29.6	17.5	C
	Right Turn	21	20	95.7%	38.4	12.5	D
	Subtotal	119	119	100.3%	37.9	7.2	D
SB	Left Turn	12	12	102.5%	33.8	14.1	C
	Through	111	110	98.8%	33.3	7.5	C
	Right Turn	23	23	100.0%	5.6	1.9	A
	Subtotal	146	145	99.3%	28.6	4.5	C
EB	Left Turn	21	22	102.4%	23.2	9.1	C
	Through	495	490	98.9%	10.6	2.6	B
	Right Turn						
	Subtotal	516	511	99.1%	11.0	2.4	B
WB	Left Turn						
	Through	559	554	99.1%	17.3	3.1	B
	Right Turn	10	11	108.0%	13.5	12.8	B
	Subtotal	569	565	99.3%	17.3	3.1	B
Total		1,350	1,340	99.3%	17.9	2.0	B

Intersection 10 **B St/Russell Blvd-5th St** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	154	155	100.6%	37.1	5.2	D
	Through	122	121	99.5%	21.2	5.1	C
	Right Turn	18	20	110.0%	18.5	7.1	B
	Subtotal	294	296	100.7%	29.0	2.9	C
SB	Left Turn	59	54	91.4%	53.1	9.1	D
	Through	245	241	98.2%	33.6	5.9	C
	Right Turn	25	27	109.2%	37.2	14.1	D
	Subtotal	329	322	97.8%	36.8	5.8	D
EB	Left Turn	11	11	103.6%	55.7	23.3	E
	Through	297	297	99.8%	34.5	3.6	C
	Right Turn	220	216	98.0%	5.5	1.9	A
	Subtotal	528	524	99.2%	23.4	3.1	C
WB	Left Turn	83	81	97.8%	50.2	7.6	D
	Through	390	384	98.5%	19.7	2.5	B
	Right Turn	73	71	96.8%	4.3	1.0	A
	Subtotal	546	536	98.2%	22.1	2.9	C
Total		1,697	1,677	98.8%	26.5	2.4	C

Intersection	
Int Delay, s/veh	2.6

Movement	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	1	3	1	51	16	1	1	43	151	36	2	283	5
Future Vol, veh/h	1	3	1	51	16	1	1	43	151	36	2	283	5
Conflicting Peds, #/hr	0	3	0	8	8	0	3	180	0	23	23	0	180
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	70	-	-	-	-	-
Veh in Median Storage, #	-	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	87	87	87	87	87	87	87	87	87	87
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	1	3	1	59	18	1	1	49	174	41	2	325	6

Major/Minor	Minor2			Minor1			Major1			Major2			
Conflicting Flow All	0	809	848	516	686	831	221	511	0	0	238	0	0
Stage 1	0	512	512	-	316	316	-	-	-	-	-	-	-
Stage 2	0	297	336	-	370	515	-	-	-	-	-	-	-
Critical Hdwy	-	7.13	6.53	6.23	7.13	6.53	6.23	4.13	-	-	4.13	-	-
Critical Hdwy Stg 1	-	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-
Follow-up Hdwy	-	3.527	4.027	3.327	3.527	4.027	3.327	2.227	-	-	2.227	-	-
Pot Cap-1 Maneuver	0	298	297	557	360	304	816	1049	-	-	1323	-	-
Stage 1	0	543	535	-	693	653	-	-	-	-	-	-	-
Stage 2	0	709	640	-	648	533	-	-	-	-	-	-	-
Platoon blocked, %	-								-	-		-	-
Mov Cap-1 Maneuver	0	240	233	470	293	239	798	892	-	-	1298	-	-
Mov Cap-2 Maneuver	0	240	233	-	293	239	-	-	-	-	-	-	-
Stage 1	0	436	454	-	642	605	-	-	-	-	-	-	-
Stage 2	0	666	593	-	561	452	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	14.6	17.9	1.7	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	892	-	-	439	300	1298	-	-
HCM Lane V/C Ratio	0.055	-	-	0.144	0.069	0.002	-	-
HCM Control Delay (s)	9.3	-	-	14.6	17.9	7.8	0	-
HCM Lane LOS	A	-	-	B	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.5	0.2	0	-	-

Intersection	
Intersection Delay, s/veh	9.6
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	4	15	18	105	8	33	5	106	44	59	157	4
Future Vol, veh/h	4	15	18	105	8	33	5	106	44	59	157	4
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	5	17	21	121	9	38	6	122	51	68	180	5
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.3	9.6	9.1	10.1
HCM LOS	A	A	A	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	3%	11%	72%	27%
Vol Thru, %	68%	41%	5%	71%
Vol Right, %	28%	49%	23%	2%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	155	37	146	220
LT Vol	5	4	105	59
Through Vol	106	15	8	157
RT Vol	44	18	33	4
Lane Flow Rate	178	43	168	253
Geometry Grp	1	1	1	1
Degree of Util (X)	0.229	0.058	0.234	0.332
Departure Headway (Hd)	4.62	4.922	5.016	4.731
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	773	722	712	756
Service Time	2.672	2.994	3.074	2.78
HCM Lane V/C Ratio	0.23	0.06	0.236	0.335
HCM Control Delay	9.1	8.3	9.6	10.1
HCM Lane LOS	A	A	A	B
HCM 95th-tile Q	0.9	0.2	0.9	1.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	14	133	30	132	99	59	18	156	31	67	385	21
Future Volume (veh/h)	14	133	30	132	99	59	18	156	31	67	385	21
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		0.94	1.00		0.94	1.00		0.97	1.00		0.62
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	16	153	28	152	114	54	21	179	30	77	443	23
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	69	363	66	199	366	174	43	504	84	105	611	32
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.04	0.24	0.24	0.11	0.31	0.31	0.02	0.33	0.33	0.06	0.36	0.36
Unsig. Movement Delay												
Ln Grp Delay, s/veh	30.4	0.0	20.4	32.4	0.0	16.3	37.8	0.0	16.5	37.9	0.0	20.3
Ln Grp LOS	C	A	C	C	A	B	D	A	B	D	A	C
Approach Vol, veh/h		197			320			230			543	
Approach Delay, s/veh		21.2			24.0			18.5			22.8	
Approach LOS		C			C			B			C	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	4	3	5	6	7	8
Case No	2.0	4.0	4.0	2.0	2.0	4.0	2.0	4.0
Phs Duration (G+Y+Rc), s	7.7	24.1	18.8	10.9	5.5	26.3	6.4	23.4
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green (Gmax), s	25.0	45.0	25.0	25.0	25.0	45.0	25.0	35.0
Max Allow Headway (MAH), s	3.8	7.4	5.5	3.9	3.9	7.3	3.9	5.5
Max Q Clear (g_c+I1), s	4.6	7.4	7.3	7.1	2.7	16.0	2.5	6.6
Green Ext Time (g_e), s	0.2	2.7	0.9	0.4	0.0	6.3	0.0	1.1
Prob of Phs Call (p_c)	0.73	1.00	1.00	0.93	0.30	1.00	0.24	1.00
Prob of Max Out (p_x)	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00

Left-Turn Movement Data								
Assigned Mvmt	1			3	5		7	
Mvmt Sat Flow, veh/h	1767			1767	1767		1767	

Through Movement Data								
Assigned Mvmt		2	4			6		8
Mvmt Sat Flow, veh/h		1541	1508			1689		1164

Right-Turn Movement Data								
Assigned Mvmt		12	14			16		18
Mvmt Sat Flow, veh/h		258	276			88		551

Left Lane Group Data								
Assigned Mvmt	1	0	0	3	5	0	7	0
Lane Assignment	L (Prot)			L (Prot)	L (Prot)		L (Prot)	

Lanes in Grp	1	0	0	1	1	0	1	0
Grp Vol (v), veh/h	77	0	0	152	21	0	16	0
Grp Sat Flow (s), veh/h/ln	1767	0	0	1767	1767	0	1767	0
Q Serve Time (g_s), s	2.6	0.0	0.0	5.1	0.7	0.0	0.5	0.0
Cycle Q Clear Time (g_c), s	2.6	0.0	0.0	5.1	0.7	0.0	0.5	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	105	0	0	199	43	0	69	0
V/C Ratio (X)	0.73	0.00	0.00	0.76	0.48	0.00	0.23	0.00
Avail Cap (c_a), veh/h	718	0	0	718	718	0	718	0
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	28.5	0.0	0.0	26.5	29.6	0.0	28.7	0.0
Incr Delay (d2), s/veh	9.4	0.0	0.0	5.9	8.2	0.0	1.7	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	37.9	0.0	0.0	32.4	37.8	0.0	30.4	0.0
1st-Term Q (Q1), veh/ln	1.1	0.0	0.0	2.1	0.3	0.0	0.2	0.0
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.3	0.1	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.3	0.0	0.0	2.4	0.4	0.0	0.3	0.0
%ile Storage Ratio (RQ%)	0.34	0.00	0.00	0.95	0.11	0.00	0.10	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Middle Lane Group Data								
Assigned Mvmt	0	2	4	0	0	6	0	8
Lane Assignment								
Lanes in Grp	0	0	0	0	0	0	0	0
Grp Vol (v), veh/h	0	0	0	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	0	0	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	0	0	0	0	0	0	0
V/C Ratio (X)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	0	0	0	0	0	0	0
Upstream Filter (I)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	14	0	0	16	0	18
Lane Assignment		T+R	T+R			T+R		T+R
Lanes in Grp	0	1	1	0	0	1	0	1
Grp Vol (v), veh/h	0	209	181	0	0	466	0	168
Grp Sat Flow (s), veh/h/ln	0	1799	1783	0	0	1776	0	1716
Q Serve Time (g_s), s	0.0	5.4	5.3	0.0	0.0	14.0	0.0	4.6
Cycle Q Clear Time (g_c), s	0.0	5.4	5.3	0.0	0.0	14.0	0.0	4.6
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	0.14	0.15	0.00	0.00	0.05	0.00	0.32
Lane Grp Cap (c), veh/h	0	588	429	0	0	643	0	540
V/C Ratio (X)	0.00	0.36	0.42	0.00	0.00	0.72	0.00	0.31
Avail Cap (c_a), veh/h	0	1315	724	0	0	1299	0	976
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	15.8	19.7	0.0	0.0	17.0	0.0	16.0
Incr Delay (d2), s/veh	0.0	0.8	0.7	0.0	0.0	3.3	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	16.5	20.4	0.0	0.0	20.3	0.0	16.3
1st-Term Q (Q1), veh/ln	0.0	2.1	2.1	0.0	0.0	5.1	0.0	1.7
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.1	0.0	0.0	0.6	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	2.2	2.2	0.0	0.0	5.7	0.0	1.7
%ile Storage Ratio (RQ%)	0.00	0.09	0.10	0.00	0.00	0.26	0.00	0.08
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	22.1
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	173	422	255	10	71	70	71	96	15	160	182	143
Future Volume (veh/h)	173	422	255	10	71	70	71	96	15	160	182	143
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.86
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	199	485	0	11	82	0	65	133	4	138	273	21
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	266	1138		30	350	297	219	444	13	399	759	58
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.15	0.32	0.00	0.02	0.19	0.00	0.12	0.12	0.12	0.23	0.23	0.23
Unsig. Movement Delay												
Ln Grp Delay, s/veh	22.5	13.8	0.0	27.8	17.9	0.0	20.8	20.8	20.8	16.9	17.0	17.0
Ln Grp LOS	C	B		C	B	A	C	C	C	B	B	B
Approach Vol, veh/h		684			93			202			432	
Approach Delay, s/veh		16.3			19.0			20.8			17.0	
Approach LOS		B			B			C			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	6	2	3	4			7	8
Case No	10.0	10.0	2.0	4.0			2.0	3.0
Phs Duration (G+Y+Rc), s	10.4	15.6	4.9	20.6			11.8	13.7
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0			4.0	4.0
Max Green (Gmax), s	20.0	20.0	20.0	20.0			20.0	20.0
Max Allow Headway (MAH), s	3.8	3.8	2.8	4.2			2.8	4.2
Max Q Clear (g_c+I1), s	3.7	5.6	2.3	7.6			7.6	3.9
Green Ext Time (g_e), s	0.5	1.1	0.0	1.8			0.2	0.2
Prob of Phs Call (p_c)	0.95	1.00	0.15	1.00			1.00	1.00
Prob of Max Out (p_x)	0.00	0.01	0.00	0.03			0.00	0.00

Left-Turn Movement Data								
Assigned Mvmt	1	5	3				7	
Mvmt Sat Flow, veh/h	1767	1767	1767				1767	

Through Movement Data								
Assigned Mvmt	6	2		4				8
Mvmt Sat Flow, veh/h	3581	3362		3618				1856

Right-Turn Movement Data								
Assigned Mvmt	16	12		14				18
Mvmt Sat Flow, veh/h	107	255		0				1572

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	7	0
Lane Assignment	L	L	L (Prot)				L (Prot)	

Lanes in Grp	1	1	1	0	0	0	1	0
Grp Vol (v), veh/h	65	138	11	0	0	0	199	0
Grp Sat Flow (s), veh/h/ln	1767	1767	1767	0	0	0	1767	0
Q Serve Time (g_s), s	1.7	3.4	0.3	0.0	0.0	0.0	5.6	0.0
Cycle Q Clear Time (g_c), s	1.7	3.4	0.3	0.0	0.0	0.0	5.6	0.0
Perm LT Sat Flow (s_l), veh/h/ln	1767	1767	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	219	399	30	0	0	0	266	0
V/C Ratio (X)	0.30	0.35	0.37	0.00	0.00	0.00	0.75	0.00
Avail Cap (c_a), veh/h	686	686	686	0	0	0	686	0
Upstream Filter (I)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	20.5	16.8	25.1	0.0	0.0	0.0	20.9	0.0
Incr Delay (d2), s/veh	0.3	0.2	2.8	0.0	0.0	0.0	1.6	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	20.8	16.9	27.8	0.0	0.0	0.0	22.5	0.0
1st-Term Q (Q1), veh/ln	0.7	1.2	0.1	0.0	0.0	0.0	2.1	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.7	1.2	0.1	0.0	0.0	0.0	2.2	0.0
%ile Storage Ratio (RQ%)	0.14	0.25	0.04	0.00	0.00	0.00	0.45	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	6	2	0	4	0	0	0	8
Lane Assignment	T	T		T				T
Lanes in Grp	1	1	0	2	0	0	0	1
Grp Vol (v), veh/h	69	149	0	485	0	0	0	82
Grp Sat Flow (s), veh/h/ln	1856	1856	0	1763	0	0	0	1856
Q Serve Time (g_s), s	1.7	3.5	0.0	5.6	0.0	0.0	0.0	1.9
Cycle Q Clear Time (g_c), s	1.7	3.5	0.0	5.6	0.0	0.0	0.0	1.9
Lane Grp Cap (c), veh/h	230	419	0	1138	0	0	0	350
V/C Ratio (X)	0.30	0.36	0.00	0.43	0.00	0.00	0.00	0.23
Avail Cap (c_a), veh/h	720	720	0	1368	0	0	0	720
Upstream Filter (I)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	20.5	16.8	0.0	13.7	0.0	0.0	0.0	17.7
Incr Delay (d2), s/veh	0.3	0.2	0.0	0.1	0.0	0.0	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	20.8	17.0	0.0	13.8	0.0	0.0	0.0	17.9
1st-Term Q (Q1), veh/ln	0.7	1.3	0.0	1.9	0.0	0.0	0.0	0.7
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.7	1.3	0.0	1.9	0.0	0.0	0.0	0.8
%ile Storage Ratio (RQ%)	0.03	0.03	0.00	0.20	0.00	0.00	0.00	0.04
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	16	12	0	14	0	0	0	18
Lane Assignment	T+R	T+R						R
Lanes in Grp	1	1	0	0	0	0	0	1
Grp Vol (v), veh/h	68	145	0	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	1833	1761	0	0	0	0	0	1572
Q Serve Time (g_s), s	1.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	1.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.06	0.14	0.00	0.00	0.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	227	398	0	0	0	0	0	297
V/C Ratio (X)	0.30	0.36	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	711	683	0	0	0	0	0	610
Upstream Filter (I)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	20.5	16.8	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	20.8	17.0	0.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	17.4
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.
Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Existing Plus Project**
Volume and Delay by Movement **PM Peak Hour**

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	141	132	93.3%	31.7	4.2	C
	Through	2	2	110.0%	17.3	27.1	B
	Right Turn	61	62	101.1%	7.5	2.3	A
	Subtotal	204	195	95.8%	24.8	3.1	C
EB	Left Turn						
	Through	391	386	98.7%	3.0	0.7	A
	Right Turn	156	162	103.6%	1.7	0.4	A
	Subtotal	547	548	100.1%	2.6	0.5	A
WB	Left Turn	4	3	77.5%	7.8	7.9	A
	Through	829	817	98.6%	5.3	1.5	A
	Right Turn	220	226	102.9%	2.9	0.7	A
	Subtotal	1,053	1,047	99.4%	4.8	1.3	A
Total		1,804	1,789	99.2%	6.4	1.0	A

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	396	389	98.3%	27.0	4.2	C
	Through	1	2	200.0%	16.5	20.6	B
	Right Turn	278	273	98.3%	23.3	4.5	C
	Subtotal	675	665	98.5%	25.6	4.1	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	65	61	94.5%	41.1	7.6	D
	Through	470	457	97.3%	14.8	2.5	B
	Right Turn						
	Subtotal	535	519	97.0%	18.1	2.6	B
WB	Left Turn						
	Through	655	659	100.6%	30.5	10.8	C
	Right Turn	284	282	99.3%	25.8	13.6	C
	Subtotal	939	941	100.2%	29.1	11.5	C
Total		2,149	2,124	98.8%	25.3	4.9	C

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Existing Plus Project**
Volume and Delay by Movement **PM Peak Hour**

Intersection 3 **Orchard Park/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	72	75	103.6%	35.8	14.4	E
	Through						
	Right Turn	92	90	97.8%	25.8	15.1	D
	Subtotal	164	165	100.4%	29.9	14.4	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	703	683	97.1%	1.7	0.2	A
	Right Turn	45	46	102.2%	1.6	0.6	A
	Subtotal	748	729	97.4%	1.7	0.2	A
WB	Left Turn	56	57	102.0%	7.5	1.6	A
	Through	867	871	100.4%	3.2	0.3	A
	Right Turn						
	Subtotal	923	928	100.5%	3.4	0.4	A
Total		1,835	1,821	99.2%	5.4	1.7	A

Intersection 4 **Sycamore Ln/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	181	176	97.1%	30.9	4.8	C
	Right Turn						
	Subtotal	181	176	97.1%	30.9	4.8	C
SB	Left Turn	97	94	96.5%	41.2	5.4	D
	Through						
	Right Turn	228	230	100.7%	21.7	2.7	C
	Subtotal	325	323	99.4%	27.5	2.0	C
EB	Left Turn	297	291	97.8%	40.9	7.1	D
	Through	502	486	96.8%	9.5	1.8	A
	Right Turn						
	Subtotal	799	777	97.2%	21.1	2.8	C
WB	Left Turn						
	Through	692	696	100.5%	39.6	4.3	D
	Right Turn	75	79	104.7%	25.6	5.2	C
	Subtotal	767	774	100.9%	38.1	4.3	D
Total		2,072	2,049	98.9%	29.5	1.9	C

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Existing Plus Project**
Volume and Delay by Movement **PM Peak Hour**

Intersection 5 **Anderson Rd/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	172	175	102.0%	44.6	7.5	D
	Through	327	317	97.1%	22.8	1.8	C
	Right Turn	327	329	100.6%	4.8	3.5	A
	Subtotal	826	822	99.5%	21.0	3.0	C
SB	Left Turn	199	196	98.6%	86.2	19.7	F
	Through	182	182	100.2%	42.5	10.9	D
	Right Turn	69	70	101.6%	31.6	11.9	C
	Subtotal	450	449	99.7%	60.5	16.0	E
EB	Left Turn	107	104	97.2%	52.6	13.1	D
	Through	431	418	97.1%	30.4	2.8	C
	Right Turn	61	58	94.6%	4.2	1.7	A
	Subtotal	599	580	96.8%	32.0	3.7	C
WB	Left Turn	176	171	97.0%	36.1	3.2	D
	Through	628	640	102.0%	27.8	4.4	C
	Right Turn	108	109	101.1%	19.3	4.5	B
	Subtotal	912	920	100.9%	28.4	3.2	C
Total		2,787	2,771	99.4%	32.4	2.9	C

Intersection 6 **California Ave/Rissell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	200	192	95.8%	18.8	7.4	C
	Subtotal	200	192	95.8%	18.8	7.4	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	850	844	99.3%	2.3	0.4	A
	Right Turn	97	90	93.1%	1.9	0.6	A
	Subtotal	947	935	98.7%	2.3	0.4	A
WB	Left Turn	58	58	99.1%	18.8	5.5	C
	Through	929	938	101.0%	2.6	0.8	A
	Right Turn						
	Subtotal	987	996	100.9%	3.6	1.2	A
Total		2,134	2,122	99.4%	4.5	1.2	A

Intersection 7 **Oak Ave/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	47	44	93.8%	41.9	9.4	D
	Right Turn						
	Subtotal	47	44	93.8%	41.9	9.4	D
SB	Left Turn	32	31	97.5%	56.1	28.8	E
	Through						
	Right Turn	31	34	110.6%	14.0	6.7	B
	Subtotal	63	66	104.0%	34.1	14.1	C
EB	Left Turn	155	150	96.5%	22.2	7.8	C
	Through	899	890	99.0%	8.1	4.0	A
	Right Turn						
	Subtotal	1,054	1,040	98.6%	10.1	4.1	B
WB	Left Turn						
	Through	885	910	102.8%	7.4	0.8	A
	Right Turn	51	50	98.2%	5.7	1.4	A
	Subtotal	936	960	102.6%	7.3	0.8	A
Total		2,100	2,109	100.4%	10.2	2.7	B

Intersection 8 **College Park -Howard Way/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	177	177	99.7%	44.2	21.7	D
	Through	11	10	92.7%	29.8	15.5	C
	Right Turn	227	226	99.5%	19.0	4.6	B
	Subtotal	415	413	99.4%	30.1	10.3	C
SB	Left Turn	16	15	93.8%	50.2	12.5	D
	Through						
	Right Turn	30	29	97.3%	10.8	5.8	B
	Subtotal	46	44	96.1%	25.2	7.7	C
EB	Left Turn	35	34	95.7%	77.4	21.9	E
	Through	810	801	98.8%	48.5	18.8	D
	Right Turn	86	86	100.3%	50.0	19.7	D
	Subtotal	931	920	98.9%	49.9	18.8	D
WB	Left Turn	98	95	97.2%	44.7	8.5	D
	Through	714	729	102.1%	27.9	6.8	C
	Right Turn	33	34	102.1%	27.6	11.1	C
	Subtotal	845	858	101.5%	29.8	7.2	C
Total		2,237	2,235	99.9%	37.4	9.2	D

Intersection 9 **A St/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	115	112	97.7%	25.5	5.2	C
	Through	34	36	106.2%	28.0	8.5	C
	Right Turn	35	36	102.3%	34.3	9.5	C
	Subtotal	184	184	100.2%	27.7	3.9	C
SB	Left Turn	13	13	100.0%	33.8	18.8	C
	Through	18	17	93.9%	33.4	13.9	C
	Right Turn	30	31	104.3%	6.2	2.0	A
	Subtotal	61	61	100.3%	20.9	5.9	C
EB	Left Turn	11	10	93.6%	37.6	23.5	D
	Through	1,015	1,010	99.5%	33.5	16.5	C
	Right Turn						
	Subtotal	1,026	1,020	99.4%	33.5	16.5	C
WB	Left Turn						
	Through	666	683	102.6%	22.9	3.5	C
	Right Turn	10	13	125.0%	8.7	6.4	A
	Subtotal	676	696	102.9%	22.7	3.4	C
Total		1,947	1,962	100.7%	28.9	9.1	C

Intersection 10 **B St/Russell Blvd-5th St** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	197	198	100.7%	48.0	11.4	D
	Through	137	143	104.3%	21.8	4.7	C
	Right Turn	39	39	99.2%	20.9	9.2	C
	Subtotal	373	380	101.8%	35.2	5.7	D
SB	Left Turn	55	57	103.1%	44.0	5.2	D
	Through	138	136	98.2%	29.5	4.6	C
	Right Turn	24	24	99.2%	31.3	5.4	C
	Subtotal	217	216	99.5%	33.6	2.1	C
EB	Left Turn	20	21	106.5%	57.2	10.1	E
	Through	579	560	96.7%	15.2	5.7	B
	Right Turn	459	455	99.2%	5.4	0.8	A
	Subtotal	1,058	1,037	98.0%	11.9	3.6	B
WB	Left Turn	49	48	97.1%	45.8	11.6	D
	Through	455	471	103.6%	17.0	3.2	B
	Right Turn	76	81	105.9%	4.5	1.5	A
	Subtotal	580	599	103.3%	17.4	3.5	B
Total		2,228	2,232	100.2%	19.5	3.2	B

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	13	5	57	23	1	2	2	51	200	41	4	143	11
Future Vol, veh/h	13	5	57	23	1	2	2	51	200	41	4	143	11
Conflicting Peds, #/hr	5	0	13	13	0	5	0	52	0	122	122	0	52
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	70	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	14	5	60	24	1	2	2	54	211	43	4	151	12

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	564	705	222	674	690	360	-	215	0	0	376	0	0
Stage 1	217	217	-	463	467	-	-	-	-	-	-	-	-
Stage 2	347	488	-	211	223	-	-	-	-	-	-	-	-
Critical Hdwy	7.13	6.53	6.23	7.13	6.53	6.23	-	4.13	-	-	4.13	-	-
Critical Hdwy Stg 1	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.527	4.027	3.327	3.527	4.027	3.327	-	2.227	-	-	2.227	-	-
Pot Cap-1 Maneuver	435	360	815	367	367	682	-	1349	-	-	1177	-	-
Stage 1	783	721	-	577	560	-	-	-	-	-	-	-	-
Stage 2	667	548	-	789	717	-	-	-	-	-	-	-	-
Platoon blocked, %									-	-		-	-
Mov Cap-1 Maneuver	411	308	771	296	314	610	~ -27	~ -27	-	-	1057	-	-
Mov Cap-2 Maneuver	411	308	-	296	314	-	-	-	-	-	-	-	-
Stage 1	783	687	-	577	503	-	-	-	-	-	-	-	-
Stage 2	661	492	-	711	683	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	11.7	17.8		0.2
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	+	-	-	616	309	1057	-	-
HCM Lane V/C Ratio	-	-	-	0.128	0.089	0.004	-	-
HCM Control Delay (s)	-	-	-	11.7	17.8	8.4	0	-
HCM Lane LOS	-	-	-	B	C	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0.4	0.3	0	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Intersection Delay, s/veh	8.7
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	7	14	5	41	24	31	13	150	52	27	112	4
Future Vol, veh/h	7	14	5	41	24	31	13	150	52	27	112	4
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	7	15	5	43	25	33	14	158	55	28	118	4
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.1	8.5	8.9	8.6
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	6%	27%	43%	19%
Vol Thru, %	70%	54%	25%	78%
Vol Right, %	24%	19%	32%	3%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	215	26	96	143
LT Vol	13	7	41	27
Through Vol	150	14	24	112
RT Vol	52	5	31	4
Lane Flow Rate	226	27	101	151
Geometry Grp	1	1	1	1
Degree of Util (X)	0.27	0.037	0.132	0.189
Departure Headway (Hd)	4.296	4.862	4.717	4.522
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	837	736	760	795
Service Time	2.318	2.897	2.747	2.546
HCM Lane V/C Ratio	0.27	0.037	0.133	0.19
HCM Control Delay	8.9	8.1	8.5	8.6
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1.1	0.1	0.5	0.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	117	9	73	112	84	25	357	143	46	232	17
Future Volume (veh/h)	16	117	9	73	112	84	25	357	143	46	232	17
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.98	1.00		0.84	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	17	123	7	77	118	68	26	376	144	48	244	17
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	73	292	17	133	222	128	52	517	198	83	761	53
Arrive On Green	0.04	0.17	0.17	0.08	0.20	0.20	0.03	0.43	0.43	0.05	0.45	0.45
Sat Flow, veh/h	1767	1733	99	1767	1093	630	1767	1208	463	1767	1708	119
Grp Volume(v), veh/h	17	0	130	77	0	186	26	0	520	48	0	261
Grp Sat Flow(s),veh/h/ln	1767	0	1831	1767	0	1723	1767	0	1670	1767	0	1827
Q Serve(g_s), s	0.5	0.0	3.6	2.4	0.0	5.5	0.8	0.0	14.7	1.5	0.0	5.3
Cycle Q Clear(g_c), s	0.5	0.0	3.6	2.4	0.0	5.5	0.8	0.0	14.7	1.5	0.0	5.3
Prop In Lane	1.00		0.05	1.00		0.37	1.00		0.28	1.00		0.07
Lane Grp Cap(c), veh/h	73	0	309	133	0	349	52	0	715	83	0	814
V/C Ratio(X)	0.23	0.00	0.42	0.58	0.00	0.53	0.50	0.00	0.73	0.58	0.00	0.32
Avail Cap(c_a), veh/h	775	0	804	775	0	1059	775	0	1319	775	0	1443
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	26.4	0.0	21.2	25.5	0.0	20.3	27.2	0.0	13.5	26.6	0.0	10.2
Incr Delay (d2), s/veh	1.6	0.0	0.9	3.9	0.0	1.3	7.1	0.0	3.0	6.3	0.0	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.5	1.1	0.0	2.2	0.4	0.0	5.4	0.7	0.0	1.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.0	0.0	22.1	29.4	0.0	21.6	34.3	0.0	16.5	32.9	0.0	10.7
LnGrp LOS	C	A	C	C	A	C	C	A	B	C	A	B
Approach Vol, veh/h		147			263			546			309	
Approach Delay, s/veh		22.8			23.8			17.4			14.2	
Approach LOS		C			C			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.7	28.4	8.3	13.6	5.7	29.4	6.4	15.6
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	25.0	45.0	25.0	25.0	25.0	45.0	25.0	35.0
Max Q Clear Time (g_c+I1), s	3.5	16.7	4.4	5.6	2.8	7.3	2.5	7.5
Green Ext Time (p_c), s	0.1	7.7	0.2	0.6	0.0	3.3	0.0	1.2

Intersection Summary	
HCM 6th Ctrl Delay	18.6
HCM 6th LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	244	132	94	25	300	260	189	290	14	95	100	164
Future Volume (veh/h)	244	132	94	25	300	260	189	290	14	95	100	164
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		0.89	1.00		0.94
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	257	139	0	26	316	200	169	347	3	82	130	42
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	314	1324		62	432	357	346	719	6	228	346	106
Arrive On Green	0.18	0.38	0.00	0.04	0.23	0.23	0.20	0.20	0.20	0.13	0.13	0.13
Sat Flow, veh/h	1767	3618	0	1767	1856	1530	1767	3669	32	1767	2684	822
Grp Volume(v), veh/h	257	139	0	26	316	200	169	175	175	82	88	84
Grp Sat Flow(s),veh/h/ln	1767	1763	0	1767	1856	1530	1767	1856	1845	1767	1856	1650
Q Serve(g_s), s	8.5	1.6	0.0	0.9	9.5	7.0	5.1	5.1	5.1	2.6	2.6	2.8
Cycle Q Clear(g_c), s	8.5	1.6	0.0	0.9	9.5	7.0	5.1	5.1	5.1	2.6	2.6	2.8
Prop In Lane	1.00		0.00	1.00		1.00	1.00		0.02	1.00		0.50
Lane Grp Cap(c), veh/h	314	1324		62	432	357	346	364	362	228	239	213
V/C Ratio(X)	0.82	0.11		0.42	0.73	0.56	0.49	0.48	0.48	0.36	0.37	0.40
Avail Cap(c_a), veh/h	585	1324		585	614	506	585	614	610	585	614	546
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.9	12.3	0.0	28.6	21.4	20.5	21.6	21.6	21.6	24.1	24.1	24.2
Incr Delay (d2), s/veh	2.0	0.0	0.0	1.7	1.2	0.5	0.4	0.4	0.4	0.4	0.3	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.5	0.6	0.0	0.4	3.9	2.4	2.0	2.1	2.1	1.0	1.1	1.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.0	12.3	0.0	30.2	22.6	21.0	22.0	22.0	22.0	24.4	24.4	24.6
LnGrp LOS	C	B		C	C	C	C	C	C	C	C	C
Approach Vol, veh/h		396	A		542			519			254	
Approach Delay, s/veh		21.2			22.4			22.0			24.5	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	2	3	4	6	7	8
Phs Duration (G+Y+Rc), s	11.8	6.1	26.7	15.9	14.7	18.1
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	20.0	20.0	20.0	20.0	20.0	20.0
Max Q Clear Time (g_c+I1), s	4.8	2.9	3.6	7.1	10.5	11.5
Green Ext Time (p_c), s	0.6	0.0	0.4	1.3	0.3	1.1

Intersection Summary	
HCM 6th Ctrl Delay	22.3
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	400	404	100.9%	29.3	4.1	C
	Through						
	Right Turn	110	114	103.4%	6.0	1.8	A
	Subtotal	510	517	101.5%	24.2	3.1	C
EB	Left Turn						
	Through	620	604	97.5%	9.8	2.7	A
	Right Turn	640	629	98.2%	6.1	1.0	A
	Subtotal	1,260	1,233	97.8%	7.9	1.6	A
WB	Left Turn						
	Through	565	564	99.8%	12.2	3.2	B
	Right Turn	300	300	99.8%	3.4	0.5	A
	Subtotal	865	864	99.8%	9.1	2.0	A
Total		2,635	2,614	99.2%	11.6	1.4	B

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	240	238	99.0%	22.6	3.3	C
	Through						
	Right Turn	300	297	99.1%	24.6	2.9	C
	Subtotal	540	535	99.1%	23.8	2.4	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	100	97	97.1%	26.5	5.2	C
	Through	920	909	98.8%	14.6	1.5	B
	Right Turn						
	Subtotal	1,020	1,006	98.7%	15.6	1.3	B
WB	Left Turn	5	6	112.0%	56.5	25.9	E
	Through	625	623	99.7%	27.2	4.8	C
	Right Turn	125	131	104.6%	18.4	4.7	B
	Subtotal	755	760	100.6%	26.0	5.0	C
Total		2,315	2,301	99.4%	20.9	1.8	C

Intersection 3 **Orchard Park/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	70	67	95.1%	133.3	109.6	F
	Through						
	Right Turn	50	50	100.8%	85.0	92.4	F
	Subtotal	120	117	97.5%	114.4	104.3	F
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	5	5	96.0%	6.6	6.7	A
	Through	1,090	1,080	99.1%	1.4	0.2	A
	Right Turn	130	132	101.8%	1.2	0.2	A
	Subtotal	1,225	1,217	99.4%	1.4	0.2	A
WB	Left Turn	50	46	92.6%	14.7	4.0	B
	Through	695	694	99.9%	2.0	0.3	A
	Right Turn						
	Subtotal	745	741	99.4%	2.7	0.6	A
Total		2,090	2,075	99.3%	9.1	6.8	A

Intersection 4 **Sycamore Ln/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	150	151	100.9%	37.8	7.5	D
	Right Turn						
	Subtotal	150	151	100.9%	37.8	7.5	D
SB	Left Turn	105	102	97.1%	50.8	5.9	D
	Through						
	Right Turn	250	243	97.0%	28.3	3.3	C
	Subtotal	355	345	97.1%	34.6	3.2	C
EB	Left Turn	245	243	99.3%	43.3	8.6	D
	Through	895	886	99.0%	11.6	2.2	B
	Right Turn						
	Subtotal	1,140	1,129	99.0%	18.1	2.9	B
WB	Left Turn						
	Through	490	494	100.7%	19.5	5.4	B
	Right Turn	50	47	94.6%	11.3	7.9	B
	Subtotal	540	541	100.1%	18.9	5.5	B
Total		2,185	2,166	99.1%	22.4	1.9	C

Intersection 5 **Anderson Rd/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	40	40	99.5%	49.0	8.0	D
	Through	120	114	95.2%	23.5	5.1	C
	Right Turn	350	343	97.9%	6.9	5.9	A
	Subtotal	510	497	97.4%	14.0	3.7	B
SB	Left Turn	155	157	101.5%	50.9	7.3	D
	Through	345	344	99.6%	22.5	3.4	C
	Right Turn	80	78	97.9%	17.6	5.6	B
	Subtotal	580	579	99.9%	29.2	3.7	C
EB	Left Turn	110	110	99.7%	104.3	39.0	F
	Through	780	767	98.3%	69.2	36.9	E
	Right Turn	110	107	96.9%	40.6	32.1	D
	Subtotal	1,000	983	98.3%	70.0	36.3	E
WB	Left Turn	280	279	99.7%	42.5	11.7	D
	Through	360	366	101.6%	30.5	5.0	C
	Right Turn	60	63	105.3%	10.3	3.7	B
	Subtotal	700	708	101.2%	33.6	5.2	C
Total		2,790	2,767	99.2%	42.8	13.8	D

Intersection 6 **California Ave/Rissell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	130	129	99.3%	36.7	18.5	E
	Subtotal	130	129	99.3%	36.7	18.5	E
SB	Left Turn						
	Through						
	Right Turn	5	4	82.0%	4.3	3.6	A
	Subtotal	5	4	82.0%	4.3	3.6	A
EB	Left Turn						
	Through	1,060	1,050	99.1%	4.8	0.8	A
	Right Turn	220	213	96.6%	6.0	1.2	A
	Subtotal	1,280	1,263	98.6%	5.0	0.8	A
WB	Left Turn	130	127	97.3%	37.3	10.9	E
	Through	695	705	101.4%	3.1	1.8	A
	Right Turn						
	Subtotal	825	831	100.8%	8.2	3.1	A
Total		2,240	2,227	99.4%	8.4	1.8	A

Intersection 7 **Oak Ave/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	90	93	102.8%	69.6	19.1	E
	Right Turn						
	Subtotal	90	93	102.8%	69.6	19.1	E
SB	Left Turn	60	61	101.8%	43.8	7.7	D
	Through						
	Right Turn	70	75	106.7%	8.6	2.4	A
	Subtotal	130	136	104.5%	23.4	4.0	C
EB	Left Turn	100	98	98.4%	18.7	4.9	B
	Through	1,090	1,082	99.2%	10.0	2.0	B
	Right Turn						
	Subtotal	1,190	1,180	99.2%	10.8	2.0	B
WB	Left Turn						
	Through	725	729	100.6%	6.7	1.8	A
	Right Turn	40	41	102.5%	3.8	1.6	A
	Subtotal	765	770	100.7%	6.6	1.8	A
Total		2,175	2,179	100.2%	12.7	2.0	B

Intersection 8 **College Park -Howard Way/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	60	59	97.8%	40.1	11.1	D
	Through						
	Right Turn	50	51	101.4%	7.6	3.0	A
	Subtotal	110	109	99.5%	22.9	4.3	C
SB	Left Turn	20	16	81.0%	47.8	21.4	D
	Through						
	Right Turn	20	22	110.0%	6.5	4.1	A
	Subtotal	40	38	95.5%	24.7	12.8	C
EB	Left Turn	20	20	98.0%	78.3	30.0	E
	Through	910	904	99.3%	28.0	15.5	C
	Right Turn	220	217	98.6%	29.2	16.6	C
	Subtotal	1,150	1,140	99.1%	29.1	15.8	C
WB	Left Turn	225	223	99.2%	33.6	10.4	C
	Through	680	686	100.8%	5.2	2.0	A
	Right Turn	10	11	105.0%	1.1	1.5	A
	Subtotal	915	919	100.5%	12.1	4.2	B
Total		2,215	2,207	99.6%	21.6	9.2	C

Intersection 9 **A St/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	120	121	100.8%	34.0	6.9	C
	Through	30	29	95.7%	28.0	12.0	C
	Right Turn	30	29	97.0%	34.8	9.9	C
	Subtotal	180	179	99.3%	33.1	6.6	C
SB	Left Turn	20	18	90.5%	42.3	28.7	D
	Through	120	122	101.3%	35.4	10.7	D
	Right Turn	30	32	105.3%	7.5	3.4	A
	Subtotal	170	171	100.8%	30.5	8.3	C
EB	Left Turn	25	24	95.2%	36.6	10.5	D
	Through	910	893	98.2%	33.6	9.2	C
	Right Turn						
	Subtotal	935	917	98.1%	33.7	9.1	C
WB	Left Turn						
	Through	750	752	100.3%	18.8	4.3	B
	Right Turn	10	12	117.0%	13.0	8.7	B
	Subtotal	760	764	100.5%	18.7	4.3	B
Total		2,045	2,031	99.3%	28.0	4.7	C

Intersection 10 **B St/Russell Blvd-5th St** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	180	182	100.9%	53.7	20.5	D
	Through	130	128	98.7%	26.4	9.9	C
	Right Turn	20	23	115.5%	28.1	14.4	C
	Subtotal	330	333	100.9%	40.8	14.0	D
SB	Left Turn	60	60	99.2%	66.1	9.4	E
	Through	250	253	101.3%	44.7	7.2	D
	Right Turn	30	32	107.3%	39.4	7.1	D
	Subtotal	340	345	101.4%	47.7	6.7	D
EB	Left Turn	50	48	95.2%	74.2	10.4	E
	Through	570	550	96.6%	38.4	8.9	D
	Right Turn	320	319	99.8%	14.1	4.2	B
	Subtotal	940	917	97.6%	31.9	7.6	C
WB	Left Turn	90	92	102.3%	47.5	6.8	D
	Through	550	549	99.9%	25.8	2.7	C
	Right Turn	80	82	103.0%	8.8	2.5	A
	Subtotal	720	724	100.5%	26.5	2.9	C
Total		2,330	2,319	99.5%	33.9	4.8	C

Intersection	
Int Delay, s/veh	3.6

Movement	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	5	5	5	60	20	5	5	50	160	40	5	290	10
Future Vol, veh/h	5	5	5	60	20	5	5	50	160	40	5	290	10
Conflicting Peds, #/hr	0	3	0	9	9	0	3	198	0	25	25	0	198
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	70	-	-	-	-	-
Veh in Median Storage, #	-	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	87	87	87	87	87	87	87	87	87	87
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	6	6	6	69	23	6	6	57	184	46	6	333	11

Major/Minor	Minor2			Minor1			Major1			Major2			
Conflicting Flow All	0	879	918	546	743	900	235	542	0	0	255	0	0
Stage 1	0	549	549	-	346	346	-	-	-	-	-	-	-
Stage 2	0	330	369	-	397	554	-	-	-	-	-	-	-
Critical Hdwy	-	7.13	6.53	6.23	7.13	6.53	6.23	4.13	-	-	4.13	-	-
Critical Hdwy Stg 1	-	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-
Follow-up Hdwy	-	3.527	4.027	3.327	3.527	4.027	3.327	2.227	-	-	2.227	-	-
Pot Cap-1 Maneuver	0	267	271	536	330	277	802	1022	-	-	1304	-	-
Stage 1	0	518	515	-	668	634	-	-	-	-	-	-	-
Stage 2	0	681	619	-	627	512	-	-	-	-	-	-	-
Platoon blocked, %	-								-	-		-	-
Mov Cap-1 Maneuver	0	204	205	444	250	210	783	853	-	-	1277	-	-
Mov Cap-2 Maneuver	0	204	205	-	250	210	-	-	-	-	-	-	-
Stage 1	0	404	427	-	611	579	-	-	-	-	-	-	-
Stage 2	0	623	565	-	515	425	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	17	20.1	1.9	0.1
HCM LOS	C	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	853	-	-	380	272	1277	-	-
HCM Lane V/C Ratio	0.067	-	-	0.212	0.127	0.005	-	-
HCM Control Delay (s)	9.5	-	-	17	20.1	7.8	0	-
HCM Lane LOS	A	-	-	C	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.8	0.4	0	-	-

Intersection	
Intersection Delay, s/veh	10.1
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	10	30	20	110	10	40	10	110	50	60	175	5
Future Vol, veh/h	10	30	20	110	10	40	10	110	50	60	175	5
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	11	34	23	126	11	46	11	126	57	69	201	6
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.8	10.1	9.5	10.9
HCM LOS	A	B	A	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	6%	17%	69%	25%
Vol Thru, %	65%	50%	6%	73%
Vol Right, %	29%	33%	25%	2%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	170	60	160	240
LT Vol	10	10	110	60
Through Vol	110	30	10	175
RT Vol	50	20	40	5
Lane Flow Rate	195	69	184	276
Geometry Grp	1	1	1	1
Degree of Util (X)	0.259	0.099	0.263	0.373
Departure Headway (Hd)	4.78	5.172	5.148	4.874
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	744	684	691	731
Service Time	2.855	3.271	3.23	2.944
HCM Lane V/C Ratio	0.262	0.101	0.266	0.378
HCM Control Delay	9.5	8.8	10.1	10.9
HCM Lane LOS	A	A	B	B
HCM 95th-tile Q	1	0.3	1.1	1.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	160	40	130	100	100	20	190	40	90	390	30
Future Volume (veh/h)	20	160	40	130	100	100	20	190	40	90	390	30
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		0.93	1.00		0.93	1.00		0.96	1.00		0.62
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	23	184	40	149	115	101	23	218	40	103	448	33
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	92	368	80	194	273	240	46	481	88	136	599	44
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.25	0.25	0.11	0.31	0.31	0.03	0.32	0.32	0.08	0.37	0.37
Unsig. Movement Delay												
Ln Grp Delay, s/veh	31.4	0.0	21.9	34.7	0.0	18.6	39.8	0.0	19.2	38.1	0.0	21.9
Ln Grp LOS	C	A	C	C	A	B	D	A	B	D	A	C
Approach Vol, veh/h		247			365			281			584	
Approach Delay, s/veh		22.8			25.2			20.9			24.7	
Approach LOS		C			C			C			C	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	4	3	5	6	7	8
Case No	2.0	4.0	4.0	2.0	2.0	4.0	2.0	4.0
Phs Duration (G+Y+Rc), s	9.1	24.9	20.7	11.3	5.7	28.3	7.4	24.5
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green (Gmax), s	25.0	45.0	25.0	25.0	25.0	45.0	25.0	35.0
Max Allow Headway (MAH), s	3.8	7.5	5.5	3.9	3.9	7.4	3.9	5.6
Max Q Clear (g_c+I1), s	5.8	9.6	9.1	7.4	2.8	17.8	2.8	8.8
Green Ext Time (g_e), s	0.2	3.4	1.2	0.4	0.0	6.5	0.0	1.4
Prob of Phs Call (p_c)	0.85	1.00	1.00	0.93	0.34	1.00	0.34	1.00
Prob of Max Out (p_x)	0.00	0.00	0.01	0.00	0.00	0.07	0.00	0.00

Left-Turn Movement Data								
Assigned Mvmt	1			3	5		7	
Mvmt Sat Flow, veh/h	1767			1767	1767		1767	

Through Movement Data								
Assigned Mvmt		2	4			6		8
Mvmt Sat Flow, veh/h		1515	1455			1628		880

Right-Turn Movement Data								
Assigned Mvmt		12	14			16		18
Mvmt Sat Flow, veh/h		278	316			120		773

Left Lane Group Data								
Assigned Mvmt	1	0	0	3	5	0	7	0
Lane Assignment	L (Prot)			L (Prot)	L (Prot)		L (Prot)	

Lanes in Grp	1	0	0	1	1	0	1	0
Grp Vol (v), veh/h	103	0	0	149	23	0	23	0
Grp Sat Flow (s), veh/h/ln	1767	0	0	1767	1767	0	1767	0
Q Serve Time (g_s), s	3.8	0.0	0.0	5.4	0.8	0.0	0.8	0.0
Cycle Q Clear Time (g_c), s	3.8	0.0	0.0	5.4	0.8	0.0	0.8	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	136	0	0	194	46	0	92	0
V/C Ratio (X)	0.76	0.00	0.00	0.77	0.50	0.00	0.25	0.00
Avail Cap (c_a), veh/h	670	0	0	670	670	0	670	0
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	29.8	0.0	0.0	28.5	31.7	0.0	30.0	0.0
Incr Delay (d2), s/veh	8.2	0.0	0.0	6.2	8.1	0.0	1.4	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	38.1	0.0	0.0	34.7	39.8	0.0	31.4	0.0
1st-Term Q (Q1), veh/ln	1.5	0.0	0.0	2.2	0.4	0.0	0.3	0.0
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.3	0.1	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.8	0.0	0.0	2.6	0.5	0.0	0.4	0.0
%ile Storage Ratio (RQ%)	0.47	0.00	0.00	1.01	0.12	0.00	0.15	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Middle Lane Group Data								
Assigned Mvmt	0	2	4	0	0	6	0	8
Lane Assignment								
Lanes in Grp	0	0	0	0	0	0	0	0
Grp Vol (v), veh/h	0	0	0	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	0	0	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	0	0	0	0	0	0	0
V/C Ratio (X)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	0	0	0	0	0	0	0
Upstream Filter (I)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	14	0	0	16	0	18
Lane Assignment		T+R	T+R			T+R		T+R
Lanes in Grp	0	1	1	0	0	1	0	1
Grp Vol (v), veh/h	0	258	224	0	0	481	0	216
Grp Sat Flow (s), veh/h/ln	0	1793	1772	0	0	1748	0	1652
Q Serve Time (g_s), s	0.0	7.6	7.1	0.0	0.0	15.8	0.0	6.8
Cycle Q Clear Time (g_c), s	0.0	7.6	7.1	0.0	0.0	15.8	0.0	6.8
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	0.16	0.18	0.00	0.00	0.07	0.00	0.47
Lane Grp Cap (c), veh/h	0	569	448	0	0	644	0	514
V/C Ratio (X)	0.00	0.45	0.50	0.00	0.00	0.75	0.00	0.42
Avail Cap (c_a), veh/h	0	1223	672	0	0	1192	0	877
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	18.0	21.1	0.0	0.0	18.2	0.0	18.0
Incr Delay (d2), s/veh	0.0	1.2	0.9	0.0	0.0	3.7	0.0	0.5
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	19.2	21.9	0.0	0.0	21.9	0.0	18.6
1st-Term Q (Q1), veh/ln	0.0	3.0	2.8	0.0	0.0	5.8	0.0	2.5
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.1	0.0	0.0	0.7	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	3.2	2.9	0.0	0.0	6.4	0.0	2.6
%ile Storage Ratio (RQ%)	0.00	0.13	0.13	0.00	0.00	0.29	0.00	0.12
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	23.8
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	350	450	310	10	90	80	80	100	20	160	180	200
Future Volume (veh/h)	350	450	310	10	90	80	80	100	20	160	180	200
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		0.97	1.00		0.97	1.00		0.84
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	402	517	0	11	103	12	72	142	10	159	241	87
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	452	1438		29	313	259	191	371	26	377	536	182
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.26	0.41	0.00	0.02	0.17	0.17	0.11	0.11	0.11	0.21	0.21	0.21
Unsig. Movement Delay												
Ln Grp Delay, s/veh	34.9	13.0	0.0	33.6	23.3	22.0	26.6	26.6	26.6	21.7	21.8	22.1
Ln Grp LOS	C	B		C	C	C	C	C	C	C	C	C
Approach Vol, veh/h		919			126			224			487	
Approach Delay, s/veh		22.6			24.0			26.6			21.9	
Approach LOS		C			C			C			C	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	6	2	3	4			7	8
Case No	10.0	10.0	2.0	4.0			2.0	3.0
Phs Duration (G+Y+Rc), s	10.8	17.4	5.1	29.7			20.1	14.6
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0			4.0	4.0
Max Green (Gmax), s	20.0	20.0	20.0	20.0			20.0	20.0
Max Allow Headway (MAH), s	3.8	3.9	2.8	4.2			2.8	4.1
Max Q Clear (g_c+I1), s	4.5	7.6	2.4	8.4			15.8	5.1
Green Ext Time (g_e), s	0.5	1.3	0.0	1.9			0.3	0.3
Prob of Phs Call (p_c)	0.98	1.00	0.18	1.00			1.00	1.00
Prob of Max Out (p_x)	0.00	0.02	0.00	0.06			0.34	0.00

Left-Turn Movement Data								
Assigned Mvmt	1	5	3				7	
Mvmt Sat Flow, veh/h	1767	1767	1767				1767	

Through Movement Data								
Assigned Mvmt	6	2		4				8
Mvmt Sat Flow, veh/h	3421	2513		3618				1856

Right-Turn Movement Data								
Assigned Mvmt	16	12		14				18
Mvmt Sat Flow, veh/h	238	852		0				1531

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	7	0
Lane Assignment	L	L	L (Prot)				L (Prot)	

Lanes in Grp	1	1	1	0	0	0	1	0
Grp Vol (v), veh/h	72	159	11	0	0	0	402	0
Grp Sat Flow (s), veh/h/ln	1767	1767	1767	0	0	0	1767	0
Q Serve Time (g_s), s	2.4	4.9	0.4	0.0	0.0	0.0	13.8	0.0
Cycle Q Clear Time (g_c), s	2.4	4.9	0.4	0.0	0.0	0.0	13.8	0.0
Perm LT Sat Flow (s_l), veh/h/ln	1767	1767	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	191	377	29	0	0	0	452	0
V/C Ratio (X)	0.38	0.42	0.37	0.00	0.00	0.00	0.89	0.00
Avail Cap (c_a), veh/h	561	561	561	0	0	0	561	0
Upstream Filter (I)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	26.1	21.4	30.7	0.0	0.0	0.0	22.6	0.0
Incr Delay (d2), s/veh	0.5	0.3	2.9	0.0	0.0	0.0	12.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	26.6	21.7	33.6	0.0	0.0	0.0	34.9	0.0
1st-Term Q (Q1), veh/ln	1.0	1.9	0.2	0.0	0.0	0.0	5.3	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.0	1.9	0.2	0.0	0.0	0.0	6.8	0.0
%ile Storage Ratio (RQ%)	0.20	0.39	0.05	0.00	0.00	0.00	1.40	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	6	2	0	4	0	0	0	8
Lane Assignment	T	T		T				T
Lanes in Grp	1	1	0	2	0	0	0	1
Grp Vol (v), veh/h	76	174	0	517	0	0	0	103
Grp Sat Flow (s), veh/h/ln	1856	1856	0	1763	0	0	0	1856
Q Serve Time (g_s), s	2.4	5.1	0.0	6.4	0.0	0.0	0.0	3.1
Cycle Q Clear Time (g_c), s	2.4	5.1	0.0	6.4	0.0	0.0	0.0	3.1
Lane Grp Cap (c), veh/h	201	396	0	1438	0	0	0	313
V/C Ratio (X)	0.38	0.44	0.00	0.36	0.00	0.00	0.00	0.33
Avail Cap (c_a), veh/h	589	589	0	1438	0	0	0	589
Upstream Filter (I)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	26.1	21.5	0.0	12.9	0.0	0.0	0.0	23.0
Incr Delay (d2), s/veh	0.4	0.3	0.0	0.1	0.0	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	26.6	21.8	0.0	13.0	0.0	0.0	0.0	23.3
1st-Term Q (Q1), veh/ln	1.0	2.1	0.0	2.3	0.0	0.0	0.0	1.3
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.0	2.1	0.0	2.3	0.0	0.0	0.0	1.3
%ile Storage Ratio (RQ%)	0.05	0.04	0.00	0.23	0.00	0.00	0.00	0.07
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	16	12	0	14	0	0	0	18
Lane Assignment	T+R	T+R						R
Lanes in Grp	1	1	0	0	0	0	0	1
Grp Vol (v), veh/h	76	154	0	0	0	0	0	12
Grp Sat Flow (s), veh/h/ln	1804	1510	0	0	0	0	0	1531
Q Serve Time (g_s), s	2.5	5.6	0.0	0.0	0.0	0.0	0.0	0.4
Cycle Q Clear Time (g_c), s	2.5	5.6	0.0	0.0	0.0	0.0	0.0	0.4
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.13	0.56	0.00	0.00	0.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	195	322	0	0	0	0	0	259
V/C Ratio (X)	0.39	0.48	0.00	0.00	0.00	0.00	0.00	0.05
Avail Cap (c_a), veh/h	572	479	0	0	0	0	0	486
Upstream Filter (I)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	26.2	21.7	0.0	0.0	0.0	0.0	0.0	21.9
Incr Delay (d2), s/veh	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	26.6	22.1	0.0	0.0	0.0	0.0	0.0	22.0
1st-Term Q (Q1), veh/ln	1.0	1.9	0.0	0.0	0.0	0.0	0.0	0.1
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.0	1.9	0.0	0.0	0.0	0.0	0.0	0.1
%ile Storage Ratio (RQ%)	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.01
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	23.0
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	190	194	102.3%	32.7	5.1	C
	Through						
	Right Turn	80	80	99.8%	11.4	4.1	B
	Subtotal	270	274	101.5%	26.9	4.3	C
EB	Left Turn						
	Through	540	543	100.5%	4.5	0.6	A
	Right Turn	160	163	102.1%	2.0	0.3	A
	Subtotal	700	706	100.9%	3.9	0.4	A
WB	Left Turn	5	2	46.0%	31.7	13.5	C
	Through	920	892	96.9%	7.9	1.7	A
	Right Turn	320	307	95.9%	3.5	0.7	A
	Subtotal	1,245	1,201	96.5%	6.8	1.5	A
Total		2,215	2,181	98.5%	8.5	1.2	A

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	480	483	100.7%	32.5	16.8	C
	Through						
	Right Turn	440	419	95.2%	53.1	80.1	D
	Subtotal	920	902	98.1%	40.9	42.2	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	75	69	91.7%	44.4	5.6	D
	Through	660	664	100.7%	23.3	16.5	C
	Right Turn						
	Subtotal	735	733	99.7%	25.5	14.6	C
WB	Left Turn						
	Through	760	713	93.9%	44.1	25.8	D
	Right Turn	330	316	95.8%	45.3	38.1	D
	Subtotal	1,090	1,029	94.4%	44.3	29.2	D
Total		2,745	2,665	97.1%	36.4	16.6	D

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Cumulative No Project**
Volume and Delay by Movement **PM Peak Hour**

Intersection 3 **Orchard Park/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	105	98	93.3%	52.6	30.7	F
	Through						
	Right Turn	100	101	101.4%	30.0	27.4	D
	Subtotal	205	199	97.3%	42.2	30.5	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	940	913	97.1%	28.3	69.0	D
	Right Turn	160	155	97.0%	29.7	73.1	D
	Subtotal	1,100	1,068	97.1%	28.4	69.5	D
WB	Left Turn	65	61	94.0%	14.9	3.7	B
	Through	985	940	95.4%	3.7	2.2	A
	Right Turn						
	Subtotal	1,050	1,001	95.3%	4.4	2.1	A
Total		2,355	2,269	96.3%	16.4	24.7	C

Intersection 4 **Sycamore Ln/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	160	163	102.0%	39.8	13.1	D
	Right Turn						
	Subtotal	160	163	102.0%	39.8	13.1	D
SB	Left Turn	110	103	93.4%	53.7	16.0	D
	Through						
	Right Turn	220	217	98.8%	25.2	4.2	C
	Subtotal	330	320	97.0%	34.1	6.6	C
EB	Left Turn	305	299	98.0%	54.0	24.4	D
	Through	740	703	95.0%	64.7	65.3	E
	Right Turn						
	Subtotal	1,045	1,002	95.9%	61.7	53.2	E
WB	Left Turn						
	Through	825	780	94.5%	26.1	9.2	C
	Right Turn	80	75	93.3%	21.4	9.6	C
	Subtotal	905	854	94.4%	25.6	9.1	C
Total		2,440	2,339	95.9%	41.2	23.0	D

Intersection 5 **Anderson Rd/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	195	156	80.2%	63.8	47.6	E
	Through	400	298	74.5%	35.0	12.9	C
	Right Turn	500	363	72.6%	268.7	46.9	F
	Subtotal	1,095	817	74.6%	145.7	25.5	F
SB	Left Turn	170	161	94.5%	128.7	93.6	F
	Through	200	185	92.4%	62.0	47.7	E
	Right Turn	80	80	99.8%	52.0	41.5	D
	Subtotal	450	425	94.5%	84.9	63.8	F
EB	Left Turn	120	107	88.8%	208.8	75.3	F
	Through	660	599	90.8%	193.9	88.7	F
	Right Turn	70	60	85.6%	137.3	71.1	F
	Subtotal	850	766	90.1%	190.9	85.5	F
WB	Left Turn	530	515	97.2%	55.0	26.5	D
	Through	700	676	96.5%	30.2	3.9	C
	Right Turn	110	108	97.9%	16.6	2.6	B
	Subtotal	1,340	1,298	96.9%	39.3	13.0	D
Total		3,735	3,306	88.5%	100.2	20.3	F

Intersection 6 **California Ave/Rissell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	210	156	74.3%	359.6	57.3	F
	Subtotal	210	156	74.3%	359.6	57.3	F
SB	Left Turn						
	Through						
	Right Turn	5	6	112.0%	13.1	14.9	B
	Subtotal	5	6	112.0%	13.1	14.9	B
EB	Left Turn						
	Through	1,180	922	78.1%	159.6	47.9	F
	Right Turn	120	95	79.0%	167.3	58.4	F
	Subtotal	1,300	1,017	78.2%	160.5	48.7	F
WB	Left Turn	125	110	87.7%	123.2	69.2	F
	Through	1,330	1,286	96.7%	7.4	2.1	A
	Right Turn	5	4	86.0%	3.6	3.6	A
	Subtotal	1,460	1,400	95.9%	13.7	4.5	B
Total		2,975	2,578	86.7%	86.5	9.5	F

Intersection 7 **Oak Ave/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	50	50	100.2%	38.0	7.6	D
	Right Turn						
	Subtotal	50	50	100.2%	38.0	7.6	D
SB	Left Turn	40	35	88.3%	264.7	119.2	F
	Through						
	Right Turn	40	45	112.5%	41.3	27.5	D
	Subtotal	80	80	100.4%	151.3	70.9	F
EB	Left Turn	170	132	77.5%	114.5	69.1	F
	Through	1,225	945	77.2%	53.9	10.9	D
	Right Turn						
	Subtotal	1,395	1,077	77.2%	62.0	9.8	E
WB	Left Turn						
	Through	1,340	1,312	97.9%	18.5	6.1	B
	Right Turn	60	64	107.0%	15.6	6.2	B
	Subtotal	1,400	1,376	98.3%	18.4	6.0	B
Total		2,925	2,583	88.3%	41.2	4.7	D

Intersection 8 **College Park -Howard Way/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	180	178	99.0%	70.2	35.9	E
	Through	20	20	102.0%	34.4	23.7	C
	Right Turn	230	236	102.7%	29.1	25.4	C
	Subtotal	430	435	101.1%	46.3	28.6	D
SB	Left Turn	20	20	97.5%	43.1	12.8	D
	Through						
	Right Turn	30	30	98.3%	13.4	3.8	B
	Subtotal	50	49	98.0%	24.5	5.9	C
EB	Left Turn	40	30	75.0%	146.9	27.9	F
	Through	1,135	875	77.1%	112.4	18.8	F
	Right Turn	90	70	78.2%	108.5	15.2	F
	Subtotal	1,265	975	77.1%	113.0	18.4	F
WB	Left Turn	105	105	99.9%	60.2	18.4	E
	Through	1,170	1,138	97.3%	30.4	6.5	C
	Right Turn	40	39	97.8%	31.1	9.8	C
	Subtotal	1,315	1,282	97.5%	32.6	5.8	C
Total		3,060	2,741	89.6%	61.5	7.0	E

Intersection 9 **A St/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	240	231	96.0%	30.0	6.0	C
	Through	40	43	108.0%	32.1	5.8	C
	Right Turn	40	43	106.3%	28.5	6.1	C
	Subtotal	320	316	98.8%	30.2	4.8	C
SB	Left Turn	20	19	96.0%	51.9	46.2	D
	Through	20	19	94.0%	41.1	18.3	D
	Right Turn	30	30	100.0%	9.5	3.5	A
	Subtotal	70	68	97.1%	30.3	18.6	C
EB	Left Turn	25	23	92.4%	110.7	30.5	F
	Through	1,325	1,084	81.8%	99.5	17.3	F
	Right Turn						
	Subtotal	1,350	1,107	82.0%	99.6	17.2	F
WB	Left Turn						
	Through	995	972	97.7%	20.0	1.7	B
	Right Turn	10	9	85.0%	16.3	14.1	B
	Subtotal	1,005	980	97.6%	20.0	1.6	B
Total		2,745	2,472	90.1%	57.7	6.9	E

Intersection 10 **B St/Russell Blvd-5th St** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	250	243	97.0%	81.0	38.3	F
	Through	150	158	105.3%	22.3	6.1	C
	Right Turn	50	52	104.6%	23.6	6.5	C
	Subtotal	450	453	100.6%	54.5	21.9	D
SB	Left Turn	60	62	103.8%	53.3	16.0	D
	Through	140	135	96.6%	37.2	11.4	D
	Right Turn	120	121	101.2%	37.1	12.1	D
	Subtotal	320	319	99.7%	40.4	12.3	D
EB	Left Turn	100	77	76.7%	58.0	10.4	E
	Through	745	615	82.6%	42.9	7.9	D
	Right Turn	540	440	81.4%	15.8	4.4	B
	Subtotal	1,385	1,132	81.7%	33.7	7.2	C
WB	Left Turn	60	62	103.2%	44.2	10.3	D
	Through	620	603	97.3%	28.5	3.8	C
	Right Turn	80	79	98.6%	11.1	5.3	B
	Subtotal	760	744	97.9%	27.9	3.9	C
Total		2,915	2,647	90.8%	36.4	5.7	D

Intersection	
Int Delay, s/veh	3.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	20	10	60	30	5	5	5	60	220	55	5	145	20
Future Vol, veh/h	20	10	60	30	5	5	5	60	220	55	5	145	20
Conflicting Peds, #/hr	6	0	14	14	0	6	0	57	0	134	134	0	57
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	70	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	21	11	63	32	5	5	5	63	232	58	5	153	21

Major/Minor	Minor2			Minor1				Major1			Major2		
Conflicting Flow All	629	791	235	746	772	401	-	231	0	0	424	0	0
Stage 1	231	231	-	521	531	-	-	-	-	-	-	-	-
Stage 2	398	560	-	225	241	-	-	-	-	-	-	-	-
Critical Hdwy	7.13	6.53	6.23	7.13	6.53	6.23	-	4.13	-	-	4.13	-	-
Critical Hdwy Stg 1	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.527	4.027	3.327	3.527	4.027	3.327	-	2.227	-	-	2.227	-	-
Pot Cap-1 Maneuver	393	321	802	328	329	647	-	1331	-	-	1130	-	-
Stage 1	770	711	-	537	524	-	-	-	-	-	-	-	-
Stage 2	626	509	-	775	704	-	-	-	-	-	-	-	-
Platoon blocked, %									-	-		-	-
Mov Cap-1 Maneuver	362	270	755	255	277	572	~ -13	~ -13	-	-	1004	-	-
Mov Cap-2 Maneuver	362	270	-	255	277	-	-	-	-	-	-	-	-
Stage 1	770	673	-	537	465	-	-	-	-	-	-	-	-
Stage 2	610	452	-	687	667	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	13.4	20.3		0.3
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	+	-	-	524	277	1004	-	-
HCM Lane V/C Ratio	-	-	-	0.181	0.152	0.005	-	-
HCM Control Delay (s)	-	-	-	13.4	20.3	8.6	0	-
HCM Lane LOS	-	-	-	B	C	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0.7	0.5	0	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Intersection Delay, s/veh	9.2
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	10	20	10	50	40	40	20	165	60	30	110	10
Future Vol, veh/h	10	20	10	50	40	40	20	165	60	30	110	10
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	11	21	11	53	42	42	21	174	63	32	116	11
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.3	9	9.6	8.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	8%	25%	38%	20%
Vol Thru, %	67%	50%	31%	73%
Vol Right, %	24%	25%	31%	7%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	245	40	130	150
LT Vol	20	10	50	30
Through Vol	165	20	40	110
RT Vol	60	10	40	10
Lane Flow Rate	258	42	137	158
Geometry Grp	1	1	1	1
Degree of Util (X)	0.319	0.058	0.184	0.205
Departure Headway (Hd)	4.447	4.984	4.844	4.681
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	807	715	738	764
Service Time	2.481	3.039	2.89	2.721
HCM Lane V/C Ratio	0.32	0.059	0.186	0.207
HCM Control Delay	9.6	8.3	9	8.9
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1.4	0.2	0.7	0.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	120	10	90	130	110	40	400	150	70	230	20
Future Volume (veh/h)	20	120	10	90	130	110	40	400	150	70	230	20
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		0.94	1.00		0.97	1.00		0.83	1.00		0.95
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	21	126	9	95	137	96	42	421	151	74	242	20
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	85	283	20	177	219	153	71	541	194	98	766	63
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.17	0.17	0.10	0.22	0.22	0.04	0.44	0.44	0.06	0.46	0.46
Unsig. Movement Delay												
Ln Grp Delay, s/veh	32.3	0.0	26.2	31.3	0.0	25.5	39.2	0.0	20.0	42.2	0.0	12.1
Ln Grp LOS	C	A	C	C	A	C	D	A	B	D	A	B
Approach Vol, veh/h		156			328			614			336	
Approach Delay, s/veh		27.1			27.2			21.3			18.7	
Approach LOS		C			C			C			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	4	3	5	6	7	8
Case No	2.0	4.0	4.0	2.0	2.0	4.0	2.0	4.0
Phs Duration (G+Y+Rc), s	7.7	33.6	15.2	10.7	6.7	34.6	7.2	18.7
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green (Gmax), s	25.0	45.0	25.0	25.0	25.0	45.0	25.0	35.0
Max Allow Headway (MAH), s	3.8	7.6	5.4	3.9	3.9	7.3	3.9	5.5
Max Q Clear (g_c+I1), s	4.8	21.6	6.5	5.4	3.6	8.2	2.8	10.3
Green Ext Time (g_e), s	0.1	7.9	0.6	0.2	0.1	3.3	0.0	1.5
Prob of Phs Call (p_c)	0.75	1.00	1.00	0.83	0.54	1.00	0.32	1.00
Prob of Max Out (p_x)	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00

Left-Turn Movement Data								
Assigned Mvmt	1			3	5		7	
Mvmt Sat Flow, veh/h	1767			1767	1767		1767	

Through Movement Data								
Assigned Mvmt		2	4			6		8
Mvmt Sat Flow, veh/h		1229	1703			1683		1004

Right-Turn Movement Data								
Assigned Mvmt		12	14			16		18
Mvmt Sat Flow, veh/h		441	122			139		703

Left Lane Group Data								
Assigned Mvmt	1	0	0	3	5	0	7	0
Lane Assignment	L (Prot)			L (Prot)	L (Prot)		L (Prot)	

Lanes in Grp	1	0	0	1	1	0	1	0
Grp Vol (v), veh/h	74	0	0	95	42	0	21	0
Grp Sat Flow (s), veh/h/ln	1767	0	0	1767	1767	0	1767	0
Q Serve Time (g_s), s	2.8	0.0	0.0	3.4	1.6	0.0	0.8	0.0
Cycle Q Clear Time (g_c), s	2.8	0.0	0.0	3.4	1.6	0.0	0.8	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	98	0	0	177	71	0	85	0
V/C Ratio (X)	0.75	0.00	0.00	0.54	0.59	0.00	0.25	0.00
Avail Cap (c_a), veh/h	657	0	0	657	657	0	657	0
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	31.3	0.0	0.0	28.8	31.7	0.0	30.8	0.0
Incr Delay (d2), s/veh	10.9	0.0	0.0	2.5	7.5	0.0	1.5	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	42.2	0.0	0.0	31.3	39.2	0.0	32.3	0.0
1st-Term Q (Q1), veh/ln	1.1	0.0	0.0	1.4	0.7	0.0	0.3	0.0
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.4	0.0	0.0	1.5	0.8	0.0	0.4	0.0
%ile Storage Ratio (RQ%)	0.37	0.00	0.00	0.61	0.22	0.00	0.14	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Middle Lane Group Data								
Assigned Mvmt	0	2	4	0	0	6	0	8
Lane Assignment								
Lanes in Grp	0	0	0	0	0	0	0	0
Grp Vol (v), veh/h	0	0	0	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	0	0	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	0	0	0	0	0	0	0
V/C Ratio (X)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	0	0	0	0	0	0	0
Upstream Filter (I)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	14	0	0	16	0	18
Lane Assignment		T+R	T+R			T+R		T+R
Lanes in Grp	0	1	1	0	0	1	0	1
Grp Vol (v), veh/h	0	572	135	0	0	262	0	233
Grp Sat Flow (s), veh/h/ln	0	1670	1824	0	0	1822	0	1707
Q Serve Time (g_s), s	0.0	19.6	4.5	0.0	0.0	6.2	0.0	8.3
Cycle Q Clear Time (g_c), s	0.0	19.6	4.5	0.0	0.0	6.2	0.0	8.3
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	0.26	0.07	0.00	0.00	0.08	0.00	0.41
Lane Grp Cap (c), veh/h	0	735	303	0	0	829	0	372
V/C Ratio (X)	0.00	0.78	0.44	0.00	0.00	0.32	0.00	0.63
Avail Cap (c_a), veh/h	0	1118	679	0	0	1220	0	889
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	16.0	25.2	0.0	0.0	11.7	0.0	23.8
Incr Delay (d2), s/veh	0.0	3.9	1.0	0.0	0.0	0.5	0.0	1.7
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	20.0	26.2	0.0	0.0	12.1	0.0	25.5
1st-Term Q (Q1), veh/ln	0.0	6.8	1.9	0.0	0.0	2.2	0.0	3.2
2nd-Term Q (Q2), veh/ln	0.0	0.8	0.1	0.0	0.0	0.1	0.0	0.2
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	7.6	2.0	0.0	0.0	2.3	0.0	3.4
%ile Storage Ratio (RQ%)	0.00	0.32	0.07	0.00	0.00	0.11	0.00	0.16
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	22.7
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	380	150	120	30	380	260	290	290	20	100	100	410
Future Volume (veh/h)	380	150	120	30	380	260	290	290	20	100	100	410
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		0.97	1.00		0.86	1.00		0.96
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	400	158	0	32	400	200	206	443	9	105	105	301
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	388	1421		65	408	335	296	605	12	383	403	329
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.22	0.40	0.00	0.04	0.22	0.22	0.17	0.17	0.17	0.22	0.22	0.22
Unsig. Movement Delay												
Ln Grp Delay, s/veh	89.0	17.0	0.0	45.2	74.5	33.9	37.5	38.8	38.9	29.8	29.7	62.8
Ln Grp LOS	F	B		D	E	C	D	D	D	C	C	E
Approach Vol, veh/h		558			632			658			511	
Approach Delay, s/veh		68.6			60.2			38.4			49.2	
Approach LOS		E			E			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	6	2	3	4			7	8
Case No	10.0	10.0	2.0	4.0			2.0	3.0
Phs Duration (G+Y+Rc), s	19.2	23.7	7.3	40.7			24.0	24.0
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0			4.0	4.0
Max Green (Gmax), s	20.0	20.0	20.0	20.0			20.0	20.0
Max Allow Headway (MAH), s	3.8	4.2	2.8	4.2			2.8	3.9
Max Q Clear (g_c+I1), s	12.6	19.7	3.6	4.5			22.0	21.5
Green Ext Time (g_e), s	1.3	0.1	0.0	0.5			0.0	0.0
Prob of Phs Call (p_c)	1.00	1.00	0.55	1.00			1.00	1.00
Prob of Max Out (p_x)	0.28	1.00	0.00	0.00			1.00	1.00

Left-Turn Movement Data								
Assigned Mvmt	1	5	3				7	
Mvmt Sat Flow, veh/h	1767	1767	1767				1767	

Through Movement Data								
Assigned Mvmt	6	2		4				8
Mvmt Sat Flow, veh/h	3611	1856		3618				1856

Right-Turn Movement Data								
Assigned Mvmt	16	12		14				18
Mvmt Sat Flow, veh/h	73	1516		0				1523

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	7	0
Lane Assignment	L	L	L (Prot)				L (Prot)	

Lanes in Grp	1	1	1	0	0	0	1	0
Grp Vol (v), veh/h	206	105	32	0	0	0	400	0
Grp Sat Flow (s), veh/h/ln	1767	1767	1767	0	0	0	1767	0
Q Serve Time (g_s), s	10.0	4.5	1.6	0.0	0.0	0.0	20.0	0.0
Cycle Q Clear Time (g_c), s	10.0	4.5	1.6	0.0	0.0	0.0	20.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	1767	1767	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	296	383	65	0	0	0	388	0
V/C Ratio (X)	0.70	0.27	0.50	0.00	0.00	0.00	1.03	0.00
Avail Cap (c_a), veh/h	388	388	388	0	0	0	388	0
Upstream Filter (I)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	35.7	29.7	43.0	0.0	0.0	0.0	35.5	0.0
Incr Delay (d2), s/veh	1.9	0.1	2.2	0.0	0.0	0.0	53.5	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	37.5	29.8	45.2	0.0	0.0	0.0	89.0	0.0
1st-Term Q (Q1), veh/ln	4.2	1.9	0.7	0.0	0.0	0.0	8.4	0.0
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.0	0.0	5.8	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	4.4	1.9	0.7	0.0	0.0	0.0	14.1	0.0
%ile Storage Ratio (RQ%)	0.90	0.39	0.19	0.00	0.00	0.00	2.90	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0

Middle Lane Group Data								
Assigned Mvmt	6	2	0	4	0	0	0	8
Lane Assignment	T	T		T				T
Lanes in Grp	1	1	0	2	0	0	0	1
Grp Vol (v), veh/h	227	105	0	158	0	0	0	400
Grp Sat Flow (s), veh/h/ln	1856	1856	0	1763	0	0	0	1856
Q Serve Time (g_s), s	10.6	4.3	0.0	2.5	0.0	0.0	0.0	19.5
Cycle Q Clear Time (g_c), s	10.6	4.3	0.0	2.5	0.0	0.0	0.0	19.5
Lane Grp Cap (c), veh/h	311	403	0	1421	0	0	0	408
V/C Ratio (X)	0.73	0.26	0.00	0.11	0.00	0.00	0.00	0.98
Avail Cap (c_a), veh/h	408	408	0	1421	0	0	0	408
Upstream Filter (I)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	35.9	29.6	0.0	17.0	0.0	0.0	0.0	35.3
Incr Delay (d2), s/veh	2.8	0.1	0.0	0.0	0.0	0.0	0.0	39.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	38.8	29.7	0.0	17.0	0.0	0.0	0.0	74.5
1st-Term Q (Q1), veh/ln	4.7	1.9	0.0	1.0	0.0	0.0	0.0	8.6
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.0	0.0	0.0	4.4

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	4.9	1.9	0.0	1.0	0.0	0.0	0.0	13.0
%ile Storage Ratio (RQ%)	0.23	0.04	0.00	0.10	0.00	0.00	0.00	0.66
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	16	12	0	14	0	0	0	18
Lane Assignment	T+R	T+R						R
Lanes in Grp	1	1	0	0	0	0	0	1
Grp Vol (v), veh/h	225	301	0	0	0	0	0	200
Grp Sat Flow (s), veh/h/ln	1829	1516	0	0	0	0	0	1523
Q Serve Time (g_s), s	10.6	17.7	0.0	0.0	0.0	0.0	0.0	10.7
Cycle Q Clear Time (g_c), s	10.6	17.7	0.0	0.0	0.0	0.0	0.0	10.7
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.04	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	306	329	0	0	0	0	0	335
V/C Ratio (X)	0.73	0.92	0.00	0.00	0.00	0.00	0.00	0.60
Avail Cap (c_a), veh/h	402	333	0	0	0	0	0	335
Upstream Filter (I)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	35.9	34.8	0.0	0.0	0.0	0.0	0.0	31.9
Incr Delay (d2), s/veh	3.0	28.0	0.0	0.0	0.0	0.0	0.0	2.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	38.9	62.8	0.0	0.0	0.0	0.0	0.0	33.9
1st-Term Q (Q1), veh/ln	4.7	6.3	0.0	0.0	0.0	0.0	0.0	3.9
2nd-Term Q (Q2), veh/ln	0.3	2.6	0.0	0.0	0.0	0.0	0.0	0.2
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	4.9	8.9	0.0	0.0	0.0	0.0	0.0	4.1
%ile Storage Ratio (RQ%)	0.23	0.19	0.00	0.00	0.00	0.00	0.00	0.21
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	53.7
HCM 6th LOS	D

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Cumulative Plus Project**
Volume and Delay by Movement **AM Peak Hour**

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	405	417	103.0%	26.4	5.8	C
	Through						
	Right Turn	110	117	106.0%	7.3	3.7	A
	Subtotal	515	534	103.7%	22.1	4.4	C
EB	Left Turn						
	Through	623	626	100.4%	12.0	2.7	B
	Right Turn	640	644	100.6%	6.9	0.5	A
	Subtotal	1,263	1,269	100.5%	9.5	1.6	A
WB	Left Turn						
	Through	565	565	100.0%	13.5	2.4	B
	Right Turn	314	319	101.6%	3.4	0.6	A
	Subtotal	879	884	100.6%	10.0	1.7	A
Total		2,657	2,687	101.1%	12.2	1.1	B

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	240	238	99.3%	22.6	4.4	C
	Through						
	Right Turn	308	303	98.4%	27.1	6.7	C
	Subtotal	548	541	98.8%	25.1	5.3	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	100	98	97.8%	29.4	10.0	C
	Through	928	951	102.4%	13.0	2.7	B
	Right Turn						
	Subtotal	1,028	1,048	102.0%	14.4	2.4	B
WB	Left Turn	5	4	82.0%	111.8	55.4	F
	Through	639	645	101.0%	34.5	13.6	C
	Right Turn	132	134	101.7%	28.0	14.3	C
	Subtotal	776	784	101.0%	33.7	13.8	C
Total		2,352	2,373	100.9%	22.9	4.2	C

Intersection 3 **Orchard Park/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	70	70	99.4%	165.3	91.3	F
	Through						
	Right Turn	50	50	99.6%	118.8	106.3	F
	Subtotal	120	119	99.5%	147.2	97.5	F
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	5	4	88.0%	4.5	4.2	A
	Through	1,106	1,119	101.2%	1.5	0.4	A
	Right Turn	130	133	101.9%	1.3	0.3	A
	Subtotal	1,241	1,256	101.2%	1.5	0.4	A
WB	Left Turn	50	49	97.8%	15.4	5.3	C
	Through	716	714	99.8%	1.9	0.4	A
	Right Turn						
	Subtotal	766	763	99.6%	2.8	0.5	A
Total		2,127	2,139	100.6%	12.3	7.4	B

Intersection 4 **Sycamore Ln/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	175	180	102.8%	37.3	5.8	D
	Right Turn						
	Subtotal	175	180	102.8%	37.3	5.8	D
SB	Left Turn	105	105	100.1%	50.9	7.7	D
	Through						
	Right Turn	263	266	101.1%	24.3	2.9	C
	Subtotal	368	371	100.8%	32.1	4.2	C
EB	Left Turn	261	260	99.7%	48.7	12.6	D
	Through	895	902	100.8%	14.3	3.0	B
	Right Turn						
	Subtotal	1,156	1,162	100.5%	22.4	3.7	C
WB	Left Turn						
	Through	498	490	98.4%	20.8	5.3	C
	Right Turn	50	48	96.6%	11.4	6.4	B
	Subtotal	548	538	98.2%	19.9	5.1	B
Total		2,247	2,252	100.2%	24.6	2.8	C

Intersection 5 **Anderson Rd/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	42	42	99.5%	46.1	10.6	D
	Through	120	120	100.1%	24.1	5.2	C
	Right Turn	350	338	96.7%	17.4	23.6	B
	Subtotal	512	500	97.7%	22.1	17.5	C
SB	Left Turn	179	175	98.0%	45.7	5.8	D
	Through	348	341	98.1%	21.6	2.5	C
	Right Turn	80	82	102.3%	18.1	5.5	B
	Subtotal	607	599	98.6%	27.9	2.3	C
EB	Left Turn	110	108	98.3%	139.4	28.5	F
	Through	780	787	100.9%	106.1	27.1	F
	Right Turn	110	111	100.8%	70.5	26.8	E
	Subtotal	1,000	1,006	100.6%	105.7	27.4	F
WB	Left Turn	280	283	101.1%	48.2	11.6	D
	Through	374	367	98.2%	31.9	4.7	C
	Right Turn	68	72	106.0%	12.3	4.5	B
	Subtotal	722	722	100.1%	36.6	5.7	D
Total		2,841	2,827	99.5%	58.3	10.3	E

Intersection 6 **California Ave/Rissell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	130	129	98.9%	36.1	17.0	E
	Subtotal	130	129	98.9%	36.1	17.0	E
SB	Left Turn						
	Through						
	Right Turn	3	3	83.3%	2.3	5.6	A
	Subtotal	3	3	83.3%	2.3	5.6	A
EB	Left Turn						
	Through	1,084	1,070	98.7%	5.2	1.1	A
	Right Turn	220	220	100.1%	7.7	2.1	A
	Subtotal	1,304	1,290	98.9%	5.7	1.2	A
WB	Left Turn	130	125	95.9%	41.9	12.1	E
	Through	715	715	100.0%	2.7	1.5	A
	Right Turn						
	Subtotal	845	840	99.4%	8.7	3.5	A
Total		2,282	2,261	99.1%	8.6	2.4	A

Intersection 7 **Oak Ave/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	5	5	98.0%	32.4	39.9	C
	Right Turn						
	Subtotal	5	5	98.0%	32.4	39.9	C
SB	Left Turn	60	59	98.7%	41.5	7.4	D
	Through						
	Right Turn	70	72	102.9%	7.9	1.3	A
	Subtotal	130	131	100.9%	23.8	3.9	C
EB	Left Turn	100	97	97.0%	18.2	7.4	B
	Through	1,114	1,104	99.1%	9.4	3.2	A
	Right Turn						
	Subtotal	1,214	1,201	98.9%	10.1	3.4	B
WB	Left Turn						
	Through	745	742	99.6%	6.3	2.3	A
	Right Turn	40	39	98.3%	2.8	1.3	A
	Subtotal	785	781	99.5%	6.1	2.2	A
Total		2,134	2,118	99.3%	9.5	2.5	A

Intersection 8 **College Park -Howard Way/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	60	60	99.3%	40.4	6.8	D
	Through						
	Right Turn	50	53	105.8%	9.6	3.7	A
	Subtotal	110	113	102.3%	25.8	4.7	C
SB	Left Turn	20	20	102.0%	45.6	12.1	D
	Through						
	Right Turn	20	16	81.0%	7.2	3.2	A
	Subtotal	40	37	91.5%	29.8	7.0	C
EB	Left Turn	20	20	97.5%	62.1	14.3	E
	Through	934	913	97.7%	29.2	13.7	C
	Right Turn	220	222	101.0%	31.9	14.4	C
	Subtotal	1,174	1,154	98.3%	30.4	13.4	C
WB	Left Turn	225	224	99.5%	30.4	7.2	C
	Through	700	704	100.6%	3.5	1.2	A
	Right Turn	10	10	96.0%	1.4	1.0	A
	Subtotal	935	938	100.3%	10.0	2.8	B
Total		2,259	2,241	99.2%	21.7	7.6	C

Intersection 9 **A St/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	120	120	100.0%	36.0	8.1	D
	Through	30	34	112.3%	39.7	11.6	D
	Right Turn	30	30	100.0%	40.5	17.2	D
	Subtotal	180	184	102.1%	37.2	6.2	D
SB	Left Turn	20	20	102.0%	46.4	9.7	D
	Through	120	125	104.0%	39.1	8.4	D
	Right Turn	31	33	106.5%	9.2	4.2	A
	Subtotal	171	178	104.2%	34.6	6.4	C
EB	Left Turn	25	25	98.4%	42.8	4.6	D
	Through	934	917	98.2%	33.5	8.7	C
	Right Turn						
	Subtotal	959	942	98.2%	33.7	8.6	C
WB	Left Turn						
	Through	769	772	100.3%	20.1	3.4	C
	Right Turn	10	11	111.0%	10.2	7.9	B
	Subtotal	779	783	100.5%	20.1	3.4	C
Total		2,089	2,086	99.9%	29.0	4.5	C

Intersection 10 **B St/Russell Blvd-5th St** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	187	189	101.1%	74.4	40.6	E
	Through	130	130	99.6%	25.8	4.9	C
	Right Turn	20	20	97.5%	20.4	12.2	C
	Subtotal	337	338	100.3%	53.3	26.2	D
SB	Left Turn	60	57	94.5%	70.9	12.4	E
	Through	250	252	100.7%	43.2	11.8	D
	Right Turn	30	29	97.7%	37.3	14.4	D
	Subtotal	340	338	99.4%	47.4	11.0	D
EB	Left Turn	50	50	99.6%	79.0	17.0	E
	Through	588	579	98.5%	45.1	9.0	D
	Right Turn	326	312	95.7%	18.1	4.8	B
	Subtotal	964	941	97.6%	37.6	8.6	D
WB	Left Turn	90	89	98.9%	57.3	11.3	E
	Through	562	563	100.2%	26.0	6.0	C
	Right Turn	80	76	95.3%	11.1	5.4	B
	Subtotal	732	728	99.5%	28.2	6.3	C
Total		2,373	2,345	98.8%	38.3	6.6	D

Intersection	
Int Delay, s/veh	3.6

Movement	EBU	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	5	5	5	60	20	5	5	50	164	40	5	292	10
Future Vol, veh/h	5	5	5	60	20	5	5	50	164	40	5	292	10
Conflicting Peds, #/hr	0	3	0	9	9	0	3	198	0	25	25	0	198
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	70	-	-	-	-	-
Veh in Median Storage, #	-	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	87	87	87	87	87	87	87	87	87	87
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	6	6	6	69	23	6	6	57	189	46	6	336	11

Major/Minor	Minor2			Minor1			Major1			Major2			
Conflicting Flow All	0	887	926	549	751	908	240	545	0	0	260	0	0
Stage 1	0	552	552	-	351	351	-	-	-	-	-	-	-
Stage 2	0	335	374	-	400	557	-	-	-	-	-	-	-
Critical Hdwy	-	7.13	6.53	6.23	7.13	6.53	6.23	4.13	-	-	4.13	-	-
Critical Hdwy Stg 1	-	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-
Follow-up Hdwy	-	3.527	4.027	3.327	3.527	4.027	3.327	2.227	-	-	2.227	-	-
Pot Cap-1 Maneuver	0	264	268	534	326	274	796	1019	-	-	1299	-	-
Stage 1	0	516	513	-	664	630	-	-	-	-	-	-	-
Stage 2	0	677	616	-	624	511	-	-	-	-	-	-	-
Platoon blocked, %	-								-	-		-	-
Mov Cap-1 Maneuver	0	202	203	443	247	208	777	851	-	-	1272	-	-
Mov Cap-2 Maneuver	0	202	203	-	247	208	-	-	-	-	-	-	-
Stage 1	0	402	426	-	607	575	-	-	-	-	-	-	-
Stage 2	0	619	562	-	513	424	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	17	20.3	1.9	0.1
HCM LOS	C	C		

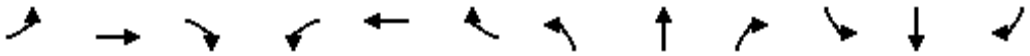
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	851	-	-	379	269	1272	-	-
HCM Lane V/C Ratio	0.068	-	-	0.212	0.128	0.005	-	-
HCM Control Delay (s)	9.5	-	-	17	20.3	7.8	0	-
HCM Lane LOS	A	-	-	C	C	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0.8	0.4	0	-	-

Intersection	
Intersection Delay, s/veh	10.2
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	10	30	20	110	10	40	10	114	50	60	177	5
Future Vol, veh/h	10	30	20	110	10	40	10	114	50	60	177	5
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	11	34	23	126	11	46	11	131	57	69	203	6
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.9	10.1	9.6	10.9
HCM LOS	A	B	A	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	6%	17%	69%	25%
Vol Thru, %	66%	50%	6%	73%
Vol Right, %	29%	33%	25%	2%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	174	60	160	242
LT Vol	10	10	110	60
Through Vol	114	30	10	177
RT Vol	50	20	40	5
Lane Flow Rate	200	69	184	278
Geometry Grp	1	1	1	1
Degree of Util (X)	0.266	0.101	0.264	0.377
Departure Headway (Hd)	4.789	5.293	5.166	4.881
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	742	681	688	732
Service Time	2.87	3.293	3.252	2.957
HCM Lane V/C Ratio	0.27	0.101	0.267	0.38
HCM Control Delay	9.6	8.9	10.1	10.9
HCM Lane LOS	A	A	B	B
HCM 95th-tile Q	1.1	0.3	1.1	1.8



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	160	40	132	100	100	20	195	41	90	393	30
Future Volume (veh/h)	20	160	40	132	100	100	20	195	41	90	393	30
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		0.93	1.00		0.93	1.00		0.96	1.00		0.63
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	23	184	40	152	115	101	23	224	41	103	452	33
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	92	367	80	198	274	241	46	483	88	136	603	44
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.25	0.25	0.11	0.31	0.31	0.03	0.32	0.32	0.08	0.37	0.37
Unsig. Movement Delay												
Ln Grp Delay, s/veh	31.7	0.0	22.2	34.9	0.0	18.7	40.1	0.0	19.4	38.3	0.0	22.0
Ln Grp LOS	C	A	C	C	A	B	D	A	B	D	A	C
Approach Vol, veh/h		247			368			288			588	
Approach Delay, s/veh		23.1			25.4			21.0			24.9	
Approach LOS		C			C			C			C	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	4	3	5	6	7	8
Case No	2.0	4.0	4.0	2.0	2.0	4.0	2.0	4.0
Phs Duration (G+Y+Rc), s	9.1	25.2	20.8	11.4	5.7	28.6	7.5	24.7
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green (Gmax), s	25.0	45.0	25.0	25.0	25.0	45.0	25.0	35.0
Max Allow Headway (MAH), s	3.8	7.5	5.5	3.9	3.9	7.4	3.9	5.6
Max Q Clear (g_c+I1), s	5.8	9.9	9.2	7.6	2.9	18.1	2.8	8.9
Green Ext Time (g_e), s	0.2	3.5	1.2	0.4	0.0	6.5	0.0	1.4
Prob of Phs Call (p_c)	0.85	1.00	1.00	0.94	0.35	1.00	0.35	1.00
Prob of Max Out (p_x)	0.00	0.00	0.01	0.00	0.00	0.08	0.00	0.00

Left-Turn Movement Data								
Assigned Mvmt	1			3	5		7	
Mvmt Sat Flow, veh/h	1767			1767	1767		1767	

Through Movement Data								
Assigned Mvmt		2	4			6		8
Mvmt Sat Flow, veh/h		1516	1455			1631		880

Right-Turn Movement Data								
Assigned Mvmt		12	14			16		18
Mvmt Sat Flow, veh/h		277	316			119		773

Left Lane Group Data								
Assigned Mvmt	1	0	0	3	5	0	7	0
Lane Assignment	L (Prot)			L (Prot)	L (Prot)		L (Prot)	

Lanes in Grp	1	0	0	1	1	0	1	0
Grp Vol (v), veh/h	103	0	0	152	23	0	23	0
Grp Sat Flow (s), veh/h/ln	1767	0	0	1767	1767	0	1767	0
Q Serve Time (g_s), s	3.8	0.0	0.0	5.6	0.9	0.0	0.8	0.0
Cycle Q Clear Time (g_c), s	3.8	0.0	0.0	5.6	0.9	0.0	0.8	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	136	0	0	198	46	0	92	0
V/C Ratio (X)	0.76	0.00	0.00	0.77	0.50	0.00	0.25	0.00
Avail Cap (c_a), veh/h	664	0	0	664	664	0	664	0
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	30.1	0.0	0.0	28.7	32.0	0.0	30.3	0.0
Incr Delay (d2), s/veh	8.3	0.0	0.0	6.2	8.2	0.0	1.4	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	38.3	0.0	0.0	34.9	40.1	0.0	31.7	0.0
1st-Term Q (Q1), veh/ln	1.6	0.0	0.0	2.3	0.4	0.0	0.3	0.0
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.3	0.1	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.9	0.0	0.0	2.6	0.5	0.0	0.4	0.0
%ile Storage Ratio (RQ%)	0.48	0.00	0.00	1.03	0.12	0.00	0.15	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Middle Lane Group Data								
Assigned Mvmt	0	2	4	0	0	6	0	8
Lane Assignment								
Lanes in Grp	0	0	0	0	0	0	0	0
Grp Vol (v), veh/h	0	0	0	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	0	0	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	0	0	0	0	0	0	0
V/C Ratio (X)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	0	0	0	0	0	0	0
Upstream Filter (I)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	14	0	0	16	0	18
Lane Assignment		T+R	T+R			T+R		T+R
Lanes in Grp	0	1	1	0	0	1	0	1
Grp Vol (v), veh/h	0	265	224	0	0	485	0	216
Grp Sat Flow (s), veh/h/ln	0	1793	1772	0	0	1750	0	1652
Q Serve Time (g_s), s	0.0	7.9	7.2	0.0	0.0	16.1	0.0	6.9
Cycle Q Clear Time (g_c), s	0.0	7.9	7.2	0.0	0.0	16.1	0.0	6.9
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	0.15	0.18	0.00	0.00	0.07	0.00	0.47
Lane Grp Cap (c), veh/h	0	571	446	0	0	647	0	515
V/C Ratio (X)	0.00	0.46	0.50	0.00	0.00	0.75	0.00	0.42
Avail Cap (c_a), veh/h	0	1213	666	0	0	1184	0	869
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	18.1	21.3	0.0	0.0	18.3	0.0	18.1
Incr Delay (d2), s/veh	0.0	1.3	0.9	0.0	0.0	3.7	0.0	0.5
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	19.4	22.2	0.0	0.0	22.0	0.0	18.7
1st-Term Q (Q1), veh/ln	0.0	3.1	2.9	0.0	0.0	5.9	0.0	2.5
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.1	0.0	0.0	0.7	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	3.3	3.0	0.0	0.0	6.6	0.0	2.6
%ile Storage Ratio (RQ%)	0.00	0.14	0.14	0.00	0.00	0.30	0.00	0.12
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	24.0
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	351	450	310	10	90	80	80	100	20	160	182	200
Future Volume (veh/h)	351	450	310	10	90	80	80	100	20	160	182	200
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		0.97	1.00		0.97	1.00		0.84
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	403	517	0	11	103	12	72	142	10	160	242	87
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	453	1440		29	313	258	191	370	26	377	536	181
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.26	0.41	0.00	0.02	0.17	0.17	0.11	0.11	0.11	0.21	0.21	0.21
Unsig. Movement Delay												
Ln Grp Delay, s/veh	35.1	13.0	0.0	33.6	23.3	22.0	26.6	26.6	26.7	21.8	21.8	22.2
Ln Grp LOS	D	B		C	C	C	C	C	C	C	C	C
Approach Vol, veh/h		920			126			224			489	
Approach Delay, s/veh		22.7			24.1			26.6			21.9	
Approach LOS		C			C			C			C	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	6	2	3	4			7	8
Case No	10.0	10.0	2.0	4.0			2.0	3.0
Phs Duration (G+Y+Rc), s	10.8	17.5	5.1	29.8			20.2	14.7
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0			4.0	4.0
Max Green (Gmax), s	20.0	20.0	20.0	20.0			20.0	20.0
Max Allow Headway (MAH), s	3.8	3.9	2.8	4.2			2.8	4.1
Max Q Clear (g_c+I1), s	4.5	7.7	2.4	8.4			15.9	5.1
Green Ext Time (g_e), s	0.5	1.3	0.0	1.9			0.3	0.3
Prob of Phs Call (p_c)	0.98	1.00	0.18	1.00			1.00	1.00
Prob of Max Out (p_x)	0.00	0.03	0.00	0.06			0.35	0.00

Left-Turn Movement Data								
Assigned Mvmt	1	5	3				7	
Mvmt Sat Flow, veh/h	1767	1767	1767				1767	

Through Movement Data								
Assigned Mvmt	6	2		4				8
Mvmt Sat Flow, veh/h	3421	2516		3618				1856

Right-Turn Movement Data								
Assigned Mvmt	16	12		14				18
Mvmt Sat Flow, veh/h	238	850		0				1531

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	7	0
Lane Assignment	L	L	L (Prot)				L (Prot)	

Lanes in Grp	1	1	1	0	0	0	1	0
Grp Vol (v), veh/h	72	160	11	0	0	0	403	0
Grp Sat Flow (s), veh/h/ln	1767	1767	1767	0	0	0	1767	0
Q Serve Time (g_s), s	2.4	4.9	0.4	0.0	0.0	0.0	13.9	0.0
Cycle Q Clear Time (g_c), s	2.4	4.9	0.4	0.0	0.0	0.0	13.9	0.0
Perm LT Sat Flow (s_l), veh/h/ln	1767	1767	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	191	377	29	0	0	0	453	0
V/C Ratio (X)	0.38	0.42	0.37	0.00	0.00	0.00	0.89	0.00
Avail Cap (c_a), veh/h	560	560	560	0	0	0	560	0
Upstream Filter (I)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	26.2	21.5	30.7	0.0	0.0	0.0	22.6	0.0
Incr Delay (d2), s/veh	0.5	0.3	2.9	0.0	0.0	0.0	12.5	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	26.6	21.8	33.6	0.0	0.0	0.0	35.1	0.0
1st-Term Q (Q1), veh/ln	1.0	1.9	0.2	0.0	0.0	0.0	5.3	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.0	1.9	0.2	0.0	0.0	0.0	6.9	0.0
%ile Storage Ratio (RQ%)	0.20	0.40	0.05	0.00	0.00	0.00	1.41	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	6	2	0	4	0	0	0	8
Lane Assignment	T	T		T				T
Lanes in Grp	1	1	0	2	0	0	0	1
Grp Vol (v), veh/h	76	174	0	517	0	0	0	103
Grp Sat Flow (s), veh/h/ln	1856	1856	0	1763	0	0	0	1856
Q Serve Time (g_s), s	2.4	5.2	0.0	6.4	0.0	0.0	0.0	3.1
Cycle Q Clear Time (g_c), s	2.4	5.2	0.0	6.4	0.0	0.0	0.0	3.1
Lane Grp Cap (c), veh/h	201	396	0	1440	0	0	0	313
V/C Ratio (X)	0.38	0.44	0.00	0.36	0.00	0.00	0.00	0.33
Avail Cap (c_a), veh/h	588	588	0	1440	0	0	0	588
Upstream Filter (I)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	26.2	21.6	0.0	12.9	0.0	0.0	0.0	23.1
Incr Delay (d2), s/veh	0.4	0.3	0.0	0.1	0.0	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	26.6	21.8	0.0	13.0	0.0	0.0	0.0	23.3
1st-Term Q (Q1), veh/ln	1.0	2.1	0.0	2.3	0.0	0.0	0.0	1.3
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.0	2.1	0.0	2.3	0.0	0.0	0.0	1.3
%ile Storage Ratio (RQ%)	0.05	0.04	0.00	0.23	0.00	0.00	0.00	0.07
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	16	12	0	14	0	0	0	18
Lane Assignment	T+R	T+R						R
Lanes in Grp	1	1	0	0	0	0	0	1
Grp Vol (v), veh/h	76	155	0	0	0	0	0	12
Grp Sat Flow (s), veh/h/ln	1804	1511	0	0	0	0	0	1531
Q Serve Time (g_s), s	2.5	5.7	0.0	0.0	0.0	0.0	0.0	0.4
Cycle Q Clear Time (g_c), s	2.5	5.7	0.0	0.0	0.0	0.0	0.0	0.4
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.13	0.56	0.00	0.00	0.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	195	322	0	0	0	0	0	258
V/C Ratio (X)	0.39	0.48	0.00	0.00	0.00	0.00	0.00	0.05
Avail Cap (c_a), veh/h	572	479	0	0	0	0	0	485
Upstream Filter (I)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	26.2	21.8	0.0	0.0	0.0	0.0	0.0	22.0
Incr Delay (d2), s/veh	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	26.7	22.2	0.0	0.0	0.0	0.0	0.0	22.0
1st-Term Q (Q1), veh/ln	1.0	1.9	0.0	0.0	0.0	0.0	0.0	0.1
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.0	1.9	0.0	0.0	0.0	0.0	0.0	0.1
%ile Storage Ratio (RQ%)	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.01
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	23.1
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Cumulative Plus Project**
Volume and Delay by Movement **PM Peak Hour**

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	199	204	102.3%	32.2	5.9	C
	Through						
	Right Turn	80	87	108.9%	11.5	4.0	B
	Subtotal	279	291	104.2%	26.3	3.9	C
EB	Left Turn						
	Through	548	560	102.1%	5.5	1.7	A
	Right Turn	160	159	99.4%	2.0	0.3	A
	Subtotal	708	719	101.5%	4.8	1.4	A
WB	Left Turn	5	3	62.0%	22.7	10.1	C
	Through	940	909	96.7%	9.8	1.3	A
	Right Turn	328	312	95.1%	4.0	0.5	A
	Subtotal	1,273	1,224	96.2%	8.4	1.0	A
Total		2,260	2,234	98.8%	9.7	1.1	A

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	480	483	100.6%	27.1	2.5	C
	Through						
	Right Turn	458	456	99.6%	31.8	7.2	C
	Subtotal	938	939	100.1%	29.5	4.6	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn	75	71	94.3%	45.0	5.4	D
	Through	677	692	102.1%	17.6	3.7	B
	Right Turn						
	Subtotal	752	762	101.4%	20.3	2.8	C
WB	Left Turn						
	Through	788	737	93.5%	45.8	18.4	D
	Right Turn	342	314	91.8%	48.9	28.6	D
	Subtotal	1,130	1,050	93.0%	46.6	21.5	D
Total		2,820	2,752	97.6%	34.0	8.7	C

Intersection 3 **Orchard Park/Russell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	105	100	95.0%	91.3	86.8	F
	Through						
	Right Turn	100	102	102.2%	63.8	81.4	F
	Subtotal	205	202	98.5%	76.1	83.2	F
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	975	969	99.4%	20.2	27.5	C
	Right Turn	160	158	98.7%	14.1	18.2	B
	Subtotal	1,135	1,127	99.3%	19.2	25.7	C
WB	Left Turn	65	58	89.1%	22.9	19.3	C
	Through	1,025	957	93.3%	3.5	0.4	A
	Right Turn						
	Subtotal	1,090	1,015	93.1%	4.6	0.9	A
Total		2,430	2,343	96.4%	18.2	18.7	C

Intersection 4 **Sycamore Ln/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	188	189	100.7%	44.3	10.6	D
	Right Turn						
	Subtotal	188	189	100.7%	44.3	10.6	D
SB	Left Turn	115	115	100.0%	56.3	13.3	E
	Through						
	Right Turn	249	250	100.4%	21.0	3.9	C
	Subtotal	364	365	100.2%	32.1	5.6	C
EB	Left Turn	340	348	102.3%	88.6	35.0	F
	Through	740	703	95.0%	90.9	50.8	F
	Right Turn						
	Subtotal	1,080	1,051	97.3%	89.5	40.7	F
WB	Left Turn						
	Through	836	760	90.9%	36.8	9.4	D
	Right Turn	80	76	95.1%	28.9	7.3	C
	Subtotal	916	836	91.3%	36.2	9.2	D
Total		2,548	2,441	95.8%	57.4	16.2	E

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Cumulative Plus Project**
Volume and Delay by Movement **PM Peak Hour**

Intersection 5 **Anderson Rd/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	197	148	75.2%	88.9	89.1	F
	Through	402	295	73.3%	46.6	32.6	D
	Right Turn	500	343	68.6%	271.4	34.7	F
	Subtotal	1,099	786	71.5%	159.2	28.0	F
SB	Left Turn	208	176	84.4%	214.0	68.5	F
	Through	207	181	87.3%	116.6	46.1	F
	Right Turn	81	74	91.6%	106.2	43.5	F
	Subtotal	496	431	86.8%	156.2	58.6	F
EB	Left Turn	120	108	89.9%	242.9	35.0	F
	Through	665	603	90.7%	232.5	42.8	F
	Right Turn	70	65	92.9%	171.9	30.7	F
	Subtotal	855	776	90.8%	229.3	40.6	F
WB	Left Turn	530	508	95.9%	51.0	10.5	D
	Through	728	704	96.7%	31.1	2.8	C
	Right Turn	126	123	97.5%	19.3	3.8	B
	Subtotal	1,384	1,335	96.4%	37.6	4.4	D
Total		3,834	3,327	86.8%	119.9	11.9	F

Intersection 6 **California Ave/Rissell Blvd** **Side-street Stop**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn	210	158	75.0%	373.9	57.1	F
	Subtotal	210	158	75.0%	373.9	57.1	F
SB	Left Turn						
	Through						
	Right Turn	1	2	150.0%	8.3	16.7	A
	Subtotal	1	2	150.0%	8.3	16.7	A
EB	Left Turn						
	Through	1,223	926	75.7%	153.9	25.6	F
	Right Turn	120	96	80.1%	155.7	41.5	F
	Subtotal	1,343	1,022	76.1%	154.3	26.0	F
WB	Left Turn	125	113	90.2%	94.8	44.8	F
	Through	1,378	1,331	96.6%	8.4	2.6	A
	Right Turn	1	1	140.0%	4.0	5.1	A
	Subtotal	1,504	1,445	96.1%	14.7	5.8	B
Total		3,058	2,626	85.9%	86.1	6.8	F

Intersection 7 **Oak Ave/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn						
	Through	50	47	93.8%	40.9	9.5	D
	Right Turn						
	Subtotal	50	47	93.8%	40.9	9.5	D
SB	Left Turn	40	41	102.0%	156.3	112.7	F
	Through						
	Right Turn	40	39	96.5%	39.7	61.2	D
	Subtotal	80	79	99.3%	107.5	100.9	F
EB	Left Turn	171	121	70.8%	132.7	93.3	F
	Through	1,267	959	75.7%	57.3	15.9	E
	Right Turn						
	Subtotal	1,438	1,080	75.1%	62.8	10.5	E
WB	Left Turn						
	Through	1,384	1,365	98.6%	23.2	10.1	C
	Right Turn	60	59	98.2%	19.2	6.5	B
	Subtotal	1,444	1,424	98.6%	23.1	10.0	C
Total		3,012	2,630	87.3%	41.8	4.8	D

Intersection 8 **College Park -Howard Way/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	180	176	97.9%	68.3	28.8	E
	Through	20	21	104.5%	27.3	13.8	C
	Right Turn	230	227	98.5%	22.3	7.6	C
	Subtotal	430	424	98.5%	41.1	12.1	D
SB	Left Turn	20	18	88.5%	41.7	20.0	D
	Through						
	Right Turn	31	32	103.9%	14.9	6.7	B
	Subtotal	51	50	97.8%	24.4	6.2	C
EB	Left Turn	41	31	75.1%	141.9	16.0	F
	Through	1,176	891	75.8%	109.4	10.8	F
	Right Turn	90	71	78.7%	106.1	10.3	F
	Subtotal	1,307	993	76.0%	110.2	10.4	F
WB	Left Turn	105	105	99.8%	57.9	19.2	E
	Through	1,213	1,201	99.0%	34.7	5.7	C
	Right Turn	40	38	94.3%	28.8	8.7	C
	Subtotal	1,358	1,343	98.9%	36.5	5.2	D
Total		3,146	2,809	89.3%	61.8	4.1	E

Intersection 9 **A St/Russell Blvd** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	241	234	96.9%	28.9	3.8	C
	Through	40	38	94.8%	30.0	6.1	C
	Right Turn	40	39	98.3%	30.5	7.2	C
	Subtotal	321	311	96.8%	29.2	3.7	C
SB	Left Turn	20	22	110.5%	51.1	19.4	D
	Through	20	16	80.5%	32.2	13.2	C
	Right Turn	30	31	104.3%	9.2	5.0	A
	Subtotal	70	70	99.3%	27.9	9.0	C
EB	Left Turn	25	19	75.6%	128.5	34.1	F
	Through	1,366	1,089	79.7%	101.9	15.3	F
	Right Turn						
	Subtotal	1,391	1,108	79.6%	102.3	15.0	F
WB	Left Turn						
	Through	1,037	1,036	99.9%	22.7	5.5	C
	Right Turn	10	10	99.0%	19.4	9.9	B
	Subtotal	1,047	1,046	99.9%	22.6	5.5	C
Total		2,829	2,534	89.6%	58.4	6.5	E

Intersection 10 **B St/Russell Blvd-5th St** **Signal**

Direction	Movement	Demand Volume (vph)	Served Volume (vph) Average	Served Volume (vph) Percent	Total Delay (sec/veh) Average	Total Delay (sec/veh) Std. Dev.	LOS
NB	Left Turn	266	261	97.9%	100.7	68.0	F
	Through	150	156	103.7%	41.1	41.4	D
	Right Turn	50	51	101.0%	45.0	53.9	D
	Subtotal	466	467	100.1%	76.5	58.7	E
SB	Left Turn	60	56	92.5%	52.6	14.5	D
	Through	140	135	96.2%	38.0	9.4	D
	Right Turn	121	123	101.3%	36.3	7.4	D
	Subtotal	321	313	97.4%	39.9	8.7	D
EB	Left Turn	103	80	77.3%	55.8	4.7	E
	Through	771	607	78.7%	43.6	6.9	D
	Right Turn	552	450	81.6%	16.0	2.8	B
	Subtotal	1,426	1,137	79.7%	33.8	5.1	C
WB	Left Turn	60	58	96.3%	52.1	10.9	D
	Through	645	650	100.8%	30.1	8.5	C
	Right Turn	80	81	100.8%	10.7	7.5	B
	Subtotal	785	789	100.5%	29.8	8.3	C
Total		2,998	2,705	90.2%	41.2	11.6	D

Intersection	
Int Delay, s/veh	3.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	20	10	60	30	5	5	5	60	228	55	5	154	20
Future Vol, veh/h	20	10	60	30	5	5	5	60	228	55	5	154	20
Conflicting Peds, #/hr	6	0	14	14	0	6	0	57	0	134	134	0	57
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	70	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	21	11	63	32	5	5	5	63	240	58	5	162	21

Major/Minor	Minor2			Minor1			Major1				Major2		
Conflicting Flow All	646	808	244	763	789	409	-	240	0	0	432	0	0
Stage 1	240	240	-	529	539	-	-	-	-	-	-	-	-
Stage 2	406	568	-	234	250	-	-	-	-	-	-	-	-
Critical Hdwy	7.13	6.53	6.23	7.13	6.53	6.23	-	4.13	-	-	4.13	-	-
Critical Hdwy Stg 1	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.13	5.53	-	6.13	5.53	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.527	4.027	3.327	3.527	4.027	3.327	-	2.227	-	-	2.227	-	-
Pot Cap-1 Maneuver	383	314	792	320	322	640	-	1321	-	-	1122	-	-
Stage 1	761	705	-	531	520	-	-	-	-	-	-	-	-
Stage 2	620	505	-	767	698	-	-	-	-	-	-	-	-
Platoon blocked, %									-	-		-	-
Mov Cap-1 Maneuver	353	264	746	248	271	566	~ -13	~ -13	-	-	997	-	-
Mov Cap-2 Maneuver	353	264	-	248	271	-	-	-	-	-	-	-	-
Stage 1	761	668	-	531	462	-	-	-	-	-	-	-	-
Stage 2	604	448	-	679	661	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	13.6	20.8		0.2
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	+	-	-	514	270	997	-	-
HCM Lane V/C Ratio	-	-	-	0.184	0.156	0.005	-	-
HCM Control Delay (s)	-	-	-	13.6	20.8	8.6	0	-
HCM Lane LOS	-	-	-	B	C	A	A	-
HCM 95th %tile Q(veh)	-	-	-	0.7	0.5	0	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Intersection Delay, s/veh	9.3
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	10	20	10	50	40	40	20	173	60	30	119	10
Future Vol, veh/h	10	20	10	50	40	40	20	173	60	30	119	10
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	11	21	11	53	42	42	21	182	63	32	125	11
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.4	9.1	9.7	9.1
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	8%	25%	38%	19%
Vol Thru, %	68%	50%	31%	75%
Vol Right, %	24%	25%	31%	6%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	253	40	130	159
LT Vol	20	10	50	30
Through Vol	173	20	40	119
RT Vol	60	10	40	10
Lane Flow Rate	266	42	137	167
Geometry Grp	1	1	1	1
Degree of Util (X)	0.33	0.059	0.186	0.218
Departure Headway (Hd)	4.464	5.029	4.886	4.693
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	804	708	732	762
Service Time	2.504	3.087	2.934	2.738
HCM Lane V/C Ratio	0.331	0.059	0.187	0.219
HCM Control Delay	9.7	8.4	9.1	9.1
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1.4	0.2	0.7	0.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	120	10	95	130	110	40	414	155	70	246	20
Future Volume (veh/h)	20	120	10	95	130	110	40	414	155	70	246	20
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		0.94	1.00		0.97	1.00		0.83	1.00		0.95
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	21	126	9	100	137	96	42	436	156	74	259	20
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	85	281	20	176	217	152	71	552	198	97	784	61
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.16	0.16	0.10	0.22	0.22	0.04	0.45	0.45	0.05	0.46	0.46
Unsig. Movement Delay												
Ln Grp Delay, s/veh	33.1	0.0	27.0	32.5	0.0	26.3	40.2	0.0	20.6	43.6	0.0	12.2
Ln Grp LOS	C	A	C	C	A	C	D	A	C	D	A	B
Approach Vol, veh/h		156			333			634			353	
Approach Delay, s/veh		27.8			28.1			21.9			18.8	
Approach LOS		C			C			C			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	4	3	5	6	7	8
Case No	2.0	4.0	4.0	2.0	2.0	4.0	2.0	4.0
Phs Duration (G+Y+Rc), s	7.8	34.9	15.3	10.8	6.8	35.9	7.3	18.9
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green (Gmax), s	25.0	45.0	25.0	25.0	25.0	45.0	25.0	35.0
Max Allow Headway (MAH), s	3.8	7.6	5.4	3.9	3.9	7.3	3.9	5.5
Max Q Clear (g_c+I1), s	4.8	22.8	6.6	5.7	3.6	8.7	2.8	10.5
Green Ext Time (g_e), s	0.1	8.1	0.6	0.2	0.1	3.6	0.0	1.5
Prob of Phs Call (p_c)	0.76	1.00	1.00	0.85	0.55	1.00	0.33	1.00
Prob of Max Out (p_x)	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00

Left-Turn Movement Data								
Assigned Mvmt	1			3	5		7	
Mvmt Sat Flow, veh/h	1767			1767	1767		1767	

Through Movement Data								
Assigned Mvmt		2	4			6		8
Mvmt Sat Flow, veh/h		1232	1703			1693		1004

Right-Turn Movement Data								
Assigned Mvmt		12	14			16		18
Mvmt Sat Flow, veh/h		441	122			131		703

Left Lane Group Data								
Assigned Mvmt	1	0	0	3	5	0	7	0
Lane Assignment	L (Prot)			L (Prot)	L (Prot)		L (Prot)	

Lanes in Grp	1	0	0	1	1	0	1	0
Grp Vol (v), veh/h	74	0	0	100	42	0	21	0
Grp Sat Flow (s), veh/h/ln	1767	0	0	1767	1767	0	1767	0
Q Serve Time (g_s), s	2.8	0.0	0.0	3.7	1.6	0.0	0.8	0.0
Cycle Q Clear Time (g_c), s	2.8	0.0	0.0	3.7	1.6	0.0	0.8	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	97	0	0	176	71	0	85	0
V/C Ratio (X)	0.76	0.00	0.00	0.57	0.59	0.00	0.25	0.00
Avail Cap (c_a), veh/h	642	0	0	642	642	0	642	0
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	32.1	0.0	0.0	29.6	32.5	0.0	31.6	0.0
Incr Delay (d2), s/veh	11.5	0.0	0.0	2.9	7.7	0.0	1.5	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	43.6	0.0	0.0	32.5	40.2	0.0	33.1	0.0
1st-Term Q (Q1), veh/ln	1.2	0.0	0.0	1.5	0.7	0.0	0.3	0.0
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.1	0.2	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.5	0.0	0.0	1.7	0.8	0.0	0.4	0.0
%ile Storage Ratio (RQ%)	0.38	0.00	0.00	0.66	0.22	0.00	0.14	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Middle Lane Group Data								
Assigned Mvmt	0	2	4	0	0	6	0	8
Lane Assignment								
Lanes in Grp	0	0	0	0	0	0	0	0
Grp Vol (v), veh/h	0	0	0	0	0	0	0	0
Grp Sat Flow (s), veh/h/ln	0	0	0	0	0	0	0	0
Q Serve Time (g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear Time (g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Grp Cap (c), veh/h	0	0	0	0	0	0	0	0
V/C Ratio (X)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap (c_a), veh/h	0	0	0	0	0	0	0	0
Upstream Filter (I)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d1), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1st-Term Q (Q1), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	0	12	14	0	0	16	0	18
Lane Assignment		T+R	T+R			T+R		T+R
Lanes in Grp	0	1	1	0	0	1	0	1
Grp Vol (v), veh/h	0	592	135	0	0	279	0	233
Grp Sat Flow (s), veh/h/ln	0	1673	1824	0	0	1824	0	1707
Q Serve Time (g_s), s	0.0	20.8	4.6	0.0	0.0	6.7	0.0	8.5
Cycle Q Clear Time (g_c), s	0.0	20.8	4.6	0.0	0.0	6.7	0.0	8.5
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	0.26	0.07	0.00	0.00	0.07	0.00	0.41
Lane Grp Cap (c), veh/h	0	750	301	0	0	845	0	369
V/C Ratio (X)	0.00	0.79	0.45	0.00	0.00	0.33	0.00	0.63
Avail Cap (c_a), veh/h	0	1093	663	0	0	1192	0	868
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	16.2	25.9	0.0	0.0	11.7	0.0	24.5
Incr Delay (d2), s/veh	0.0	4.4	1.0	0.0	0.0	0.5	0.0	1.8
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	20.6	27.0	0.0	0.0	12.2	0.0	26.3
1st-Term Q (Q1), veh/ln	0.0	7.2	1.9	0.0	0.0	2.4	0.0	3.3
2nd-Term Q (Q2), veh/ln	0.0	0.9	0.1	0.0	0.0	0.1	0.0	0.2
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	8.1	2.0	0.0	0.0	2.5	0.0	3.5
%ile Storage Ratio (RQ%)	0.00	0.34	0.08	0.00	0.00	0.12	0.00	0.17
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	23.2
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	382	150	120	30	380	260	290	291	20	100	104	412
Future Volume (veh/h)	382	150	120	30	380	260	290	291	20	100	104	412
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		0.97	1.00		0.86	1.00		0.96
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	402	158	0	32	400	200	207	443	9	105	109	303
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	388	1419		65	407	334	296	605	12	385	404	330
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.22	0.40	0.00	0.04	0.22	0.22	0.17	0.17	0.17	0.22	0.22	0.22
Unsig. Movement Delay												
Ln Grp Delay, s/veh	90.9	17.0	0.0	45.2	74.9	34.0	37.7	38.8	39.0	29.8	29.7	63.4
Ln Grp LOS	F	B		D	E	C	D	D	D	C	C	E
Approach Vol, veh/h		560			632			659			517	
Approach Delay, s/veh		70.1			60.5			38.6			49.5	
Approach LOS		E			E			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	6	2	3	4			7	8
Case No	10.0	10.0	2.0	4.0			2.0	3.0
Phs Duration (G+Y+Rc), s	19.3	23.8	7.3	40.7			24.0	24.0
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0			4.0	4.0
Max Green (Gmax), s	20.0	20.0	20.0	20.0			20.0	20.0
Max Allow Headway (MAH), s	3.8	4.2	2.8	4.2			2.8	3.9
Max Q Clear (g_c+I1), s	12.6	19.8	3.6	4.6			22.0	21.5
Green Ext Time (g_e), s	1.3	0.1	0.0	0.5			0.0	0.0
Prob of Phs Call (p_c)	1.00	1.00	0.56	1.00			1.00	1.00
Prob of Max Out (p_x)	0.28	1.00	0.00	0.00			1.00	1.00

Left-Turn Movement Data								
Assigned Mvmt	1	5	3				7	
Mvmt Sat Flow, veh/h	1767	1767	1767				1767	

Through Movement Data								
Assigned Mvmt	6	2		4				8
Mvmt Sat Flow, veh/h	3611	1856		3618				1856

Right-Turn Movement Data								
Assigned Mvmt	16	12		14				18
Mvmt Sat Flow, veh/h	73	1516		0				1523

Left Lane Group Data								
Assigned Mvmt	1	5	3	0	0	0	7	0
Lane Assignment	L	L	L (Prot)				L (Prot)	

Lanes in Grp	1	1	1	0	0	0	1	0
Grp Vol (v), veh/h	207	105	32	0	0	0	402	0
Grp Sat Flow (s), veh/h/ln	1767	1767	1767	0	0	0	1767	0
Q Serve Time (g_s), s	10.1	4.5	1.6	0.0	0.0	0.0	20.0	0.0
Cycle Q Clear Time (g_c), s	10.1	4.5	1.6	0.0	0.0	0.0	20.0	0.0
Perm LT Sat Flow (s_l), veh/h/ln	1767	1767	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	296	385	65	0	0	0	388	0
V/C Ratio (X)	0.70	0.27	0.50	0.00	0.00	0.00	1.04	0.00
Avail Cap (c_a), veh/h	388	388	388	0	0	0	388	0
Upstream Filter (I)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	35.8	29.6	43.1	0.0	0.0	0.0	35.6	0.0
Incr Delay (d2), s/veh	2.0	0.1	2.2	0.0	0.0	0.0	55.4	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	37.7	29.8	45.2	0.0	0.0	0.0	90.9	0.0
1st-Term Q (Q1), veh/ln	4.3	1.9	0.7	0.0	0.0	0.0	8.4	0.0
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.0	0.0	6.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	4.4	1.9	0.7	0.0	0.0	0.0	14.4	0.0
%ile Storage Ratio (RQ%)	0.91	0.39	0.19	0.00	0.00	0.00	2.94	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0

Middle Lane Group Data								
Assigned Mvmt	6	2	0	4	0	0	0	8
Lane Assignment	T	T		T				T
Lanes in Grp	1	1	0	2	0	0	0	1
Grp Vol (v), veh/h	227	109	0	158	0	0	0	400
Grp Sat Flow (s), veh/h/ln	1856	1856	0	1763	0	0	0	1856
Q Serve Time (g_s), s	10.6	4.4	0.0	2.6	0.0	0.0	0.0	19.5
Cycle Q Clear Time (g_c), s	10.6	4.4	0.0	2.6	0.0	0.0	0.0	19.5
Lane Grp Cap (c), veh/h	311	404	0	1419	0	0	0	407
V/C Ratio (X)	0.73	0.27	0.00	0.11	0.00	0.00	0.00	0.98
Avail Cap (c_a), veh/h	407	407	0	1419	0	0	0	407
Upstream Filter (I)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	36.0	29.6	0.0	17.0	0.0	0.0	0.0	35.4
Incr Delay (d2), s/veh	2.9	0.1	0.0	0.0	0.0	0.0	0.0	39.6
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	38.8	29.7	0.0	17.0	0.0	0.0	0.0	74.9
1st-Term Q (Q1), veh/ln	4.7	2.0	0.0	1.0	0.0	0.0	0.0	8.6
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.0	0.0	0.0	4.5

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	5.0	2.0	0.0	1.0	0.0	0.0	0.0	13.1
%ile Storage Ratio (RQ%)	0.23	0.04	0.00	0.10	0.00	0.00	0.00	0.66
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	16	12	0	14	0	0	0	18
Lane Assignment	T+R	T+R						R
Lanes in Grp	1	1	0	0	0	0	0	1
Grp Vol (v), veh/h	225	303	0	0	0	0	0	200
Grp Sat Flow (s), veh/h/ln	1829	1516	0	0	0	0	0	1523
Q Serve Time (g_s), s	10.6	17.8	0.0	0.0	0.0	0.0	0.0	10.7
Cycle Q Clear Time (g_c), s	10.6	17.8	0.0	0.0	0.0	0.0	0.0	10.7
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.04	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	306	330	0	0	0	0	0	334
V/C Ratio (X)	0.73	0.92	0.00	0.00	0.00	0.00	0.00	0.60
Avail Cap (c_a), veh/h	401	333	0	0	0	0	0	334
Upstream Filter (I)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	36.0	34.8	0.0	0.0	0.0	0.0	0.0	31.9
Incr Delay (d2), s/veh	3.0	28.6	0.0	0.0	0.0	0.0	0.0	2.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	39.0	63.4	0.0	0.0	0.0	0.0	0.0	34.0
1st-Term Q (Q1), veh/ln	4.7	6.4	0.0	0.0	0.0	0.0	0.0	3.9
2nd-Term Q (Q2), veh/ln	0.3	2.6	0.0	0.0	0.0	0.0	0.0	0.2
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	4.9	9.0	0.0	0.0	0.0	0.0	0.0	4.1
%ile Storage Ratio (RQ%)	0.23	0.20	0.00	0.00	0.00	0.00	0.00	0.21
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	54.2
HCM 6th LOS	D

Notes

User approved volume balancing among the lanes for turning movement.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Through	225	50	5	100	10	125	23	0%	0%
	Right Turn	175	50	4	100	12	150	33	0%	0%
SB	Left/Through	1,425	150	12	250	22	300	41	0%	0%
	Right Turn	525	50	2	75	10	100	27	0%	0%
WB	Through	1,600	25	4	75	11	100	27	0%	0%
	Through/Right	600	50	5	100	18	125	44	0%	0%
0										

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Left Turn	400	75	8	125	14	150	28	0%	0%
	Through	600	125	13	225	23	275	62	0%	0%
NB	Left/Through	525	125	8	200	12	225	40	0%	0%
	Right Turn	975	125	7	225	27	275	44	0%	0%
WB	Through	475	150	15	250	28	275	26	21%	0%
	Right Turn	100	50	9	125	14	125	0	0%	0%
		475	100	16	200	30	250	45	0%	0%
0										

Intersection 4 **Sycamore Ln/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	350	175	16	275	35	325	42	1%	0%
	Through	600	100	13	200	42	300	108	0%	0%
NB	Through	200	100	7	175	23	200	43	0%	1%
SB	Left Turn	175	100	7	175	10	175	0	0%	0%
	Right Turn	375	150	9	225	20	275	18	7%	0%
WB	Through	400	75	7	100	15	125	22	25%	0%
	Right Turn	75	25	4	75	7	100	0	0%	0%

Intersection 5 **Anderson Rd/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	125	75	5	125	3	125	0	5%	3%
	Through	500	150	16	200	29	250	37	14%	0%
	Through/Right	125	150	12	200	15	200	14	0%	12%
NB	Left Turn	150	50	4	75	13	100	24	0%	0%
	Through	750	50	4	75	8	100	22	0%	0%
SB	U/Left Turns	175	100	4	150	7	150	0	3%	3%
	Through	350	175	16	325	18	400	25	11%	0%
	Through/Right	250	100	7	175	7	150	0	2%	2%
WB	Left Turn	250	100	4	150	7	175	16	0%	0%
	Through	550	100	8	150	22	175	45	17%	0%
	Right Turn	100	50	7	100	16	125	4	0%	0%

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Through	225	25	3	75	10	100	33	0%	0%
	Right Turn	175	25	2	50	7	75	22	0%	0%
SB	Left/Through	1,425	100	8	175	19	200	34	0%	0%
	Right Turn	525	50	5	75	9	75	18	0%	0%
WB	U/Left Turns	50	25	1	25	5	50	13	0%	0%
	Through	1,600	50	11	125	24	150	44	6%	0%
	Through/Right	600	75	11	150	28	200	67	0%	0%
0										

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	400	75	3	125	6	150	11	0%	0%
	Through	600	125	8	175	13	200	31	0%	0%
NB	Left/Through	525	225	10	350	27	425	69	0%	0%
	Right Turn	975	150	9	250	22	425	43	0%	0%
WB	Through	875	275	34	500	79	575	127	33%	0%
	Right Turn	100	100	5	150	2	125	0	2%	0%
0										

Intersection 4 **Sycamore Ln/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	350	200	14	300	34	325	37	1%	0%
	Through	600	75	12	150	54	250	135	0%	0%
NB	Through	200	100	11	175	19	200	36	0%	0%
SB	Left Turn	175	75	10	150	18	175	18	0%	0%
	Right Turn	375	125	7	200	11	225	18	3%	0%
WB	Through	400	225	16	325	19	350	28	54%	0%
	Right Turn	75	50	4	100	5	100	0	1%	0%

Intersection 5 **Anderson Rd/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	125	100	7	150	4	125	0	5%	4%
	Through	500	125	10	175	18	200	24	22%	0%
	Through/Right	125	150	9	200	12	200	13	0%	14%
NB	U/Left Turns	150	125	10	175	13	175	1	8%	0%
	Through	850	125	14	200	34	250	50	3%	0%
	Right Turn	325	25	15	100	67	175	103	0%	0%
SB	U/Left Turns	175	125	7	150	5	150	0	15%	15%
	Through	350	225	25	425	22	450	18	33%	1%
	Through/Right	250	100	12	175	8	150	0	1%	1%
WB	Left Turn	250	75	7	150	23	225	81	0%	0%
	Through	550	250	32	400	62	475	72	39%	0%
	Right Turn	100	75	8	150	9	125	0	1%	0%

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Through	225	75	10	125	30	200	57	0%	0%
	Right Turn	175	75	6	150	15	200	26	1%	0%
SB	Left/Through	1,425	225	13	350	23	400	52	0%	0%
	Right Turn	525	50	2	75	9	100	21	0%	0%
WB	Through	1,600	75	9	125	15	175	28	0%	0%
	Through/Right	600	75	10	150	13	175	27	0%	0%
0										

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Left Turn	400	75	7	150	14	175	35	0%	0%
	Through	600	175	17	250	25	275	38	0%	0%
NB	Left/Through	525	125	14	200	25	250	47	0%	0%
	Right Turn	975	150	9	250	19	300	33	0%	0%
WB	Through	475	225	20	375	35	400	55	33%	0%
	Right Turn	100	75	5	150	3	125	0	0%	0%
		475	150	18	300	34	375	52	0%	0%
0										

Intersection 4 **Sycamore Ln/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	350	175	11	275	26	325	38	1%	0%
	Through	600	125	14	225	35	325	108	0%	0%
NB	Through	200	100	5	175	15	175	14	0%	0%
SB	Left Turn	175	100	11	175	17	175	0	1%	0%
	Right Turn	375	150	13	200	23	250	22	7%	0%
WB	Through	400	100	9	125	20	175	21	36%	0%
	Right Turn	75	50	5	75	7	100	0	0%	0%

Intersection 5 **Anderson Rd/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	125	100	4	150	4	125	0	11%	6%
	Through	500	275	34	450	50	525	43	47%	4%
	Through/Right	125	175	8	225	7	225	11	0%	38%
NB	Left Turn	150	50	5	75	14	100	24	0%	0%
	Through	925	50	21	100	104	125	163	0%	0%
	Right Turn	325	75	39	225	88	275	63	2%	0%
SB	U/Left Turns	175	100	5	150	4	150	0	3%	3%
	Through	300	175	13	325	18	375	20	9%	0%
	Through/Right	250	100	9	175	4	150	0	1%	1%
WB	Left Turn	250	125	9	200	16	225	29	0%	0%
	Through	550	150	10	225	21	275	33	34%	0%
	Right Turn	100	75	7	125	10	125	0	0%	0%

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Through	225	50	6	100	22	150	54	0%	0%
	Right Turn	175	25	3	50	9	50	15	0%	0%
SB	Left/Through	1,425	125	10	200	23	250	39	0%	0%
	Right Turn	525	50	5	75	10	125	24	0%	0%
WB	U/Left Turns	50	25	1	25	8	25	20	0%	0%
	Through	1,600	75	8	175	16	200	43	13%	0%
	Through/Right	600	100	10	175	29	250	48	0%	0%
0										

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	400	75	6	125	12	200	100	0%	0%
	Through	600	150	15	250	32	300	83	0%	0%
NB	Left/Through	525	250	32	400	70	475	100	0%	0%
	Right Turn	975	225	51	400	162	475	223	2%	1%
WB	Through	875	450	88	725	162	775	146	47%	1%
	Right Turn	100	100	5	150	5	125	0	5%	0%
0										

Intersection 4 **Sycamore Ln/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	350	200	24	325	43	350	29	1%	0%
	Through	600	150	69	350	183	425	218	7%	3%
NB	Through	200	100	13	175	34	200	42	0%	1%
SB	Left Turn	175	100	11	150	17	175	9	2%	1%
	Right Turn	375	125	12	200	26	225	30	4%	0%
WB	Through	400	175	27	325	36	400	45	60%	1%
	Right Turn	75	50	5	100	6	100	0	1%	0%

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Cumulative No Project**
Queue Length **PM Peak Hour**

Intersection 5 **Anderson Rd/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	125	100	9	150	7	125	0	12%	8%
	Through	500	325	58	550	82	550	69	60%	19%
	Through/Right	125	175	16	250	10	225	12	0%	48%
NB	U/Left Turns	150	125	10	225	8	175	1	21%	0%
	Through	925	Queue length from 95th percentile reported in Synchro output (see next page)							
	Right Turn	325	375	20	400	47	375	0	94%	0%
SB	U/Left Turns	175	125	7	150	5	150	0	13%	13%
	Through	300	200	29	350	36	400	29	25%	3%
	Through/Right	250	100	8	175	13	150	0	1%	1%
WB	Left Turn	250	225	20	325	22	325	1	12%	0%
	Through	550	250	39	400	85	475	76	50%	1%
	Right Turn	100	100	10	150	4	125	0	1%	0%

Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	126	769	558	737	116	205	421	526	179	295
v/c Ratio	0.76	0.86	0.99	0.64	0.19	0.56	0.47	1.00	0.78	0.46
Control Delay	79.8	32.9	74.9	36.4	11.9	45.1	30.6	54.7	60.8	25.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	79.8	32.9	74.9	36.4	11.9	45.1	30.6	54.7	60.8	25.7
Queue Length 50th (ft)	73	105	179	131	11	96	108	~149	98	65
Queue Length 95th (ft)	#164	#172	m#278	m297	m76	#288	154	#364	#191	84
Internal Link Dist (ft)		121		532			904			139
Turn Bay Length (ft)	100		225		75	125		300	150	
Base Capacity (vph)	175	894	566	1155	597	367	901	526	253	1038
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.72	0.86	0.99	0.64	0.19	0.56	0.47	1.00	0.71	0.28

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Through	225	100	16	200	32	275	25	0%	0%
	Right Turn	175	100	12	200	27	225	10	2%	0%
SB	Left/Through	1,425	225	13	350	25	400	62	0%	0%
	Right Turn	525	50	5	75	11	100	22	0%	0%
WB	Through	1,600	75	8	150	20	200	34	0%	0%
	Through/Right	600	100	10	175	31	225	65	0%	0%
0										

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Left Turn	400	75	9	150	22	175	45	0%	0%
	Through	600	175	18	275	31	325	58	0%	0%
NB	Left/Through	525	125	10	200	19	225	32	0%	0%
	Right Turn	975	150	13	250	29	325	51	0%	0%
WB	Through	475	225	21	400	54	475	72	35%	1%
	Right Turn	100	75	6	150	5	125	0	1%	0%
		475	175	24	350	58	450	69	0%	0%
0										

Intersection 4 **Sycamore Ln/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	350	200	16	300	34	350	36	1%	0%
	Through	600	150	17	275	54	400	101	0%	0%
NB	Through	200	125	8	200	21	200	18	0%	1%
SB	Left Turn	175	100	12	175	20	175	3	2%	0%
	Right Turn	375	150	13	225	22	275	23	8%	0%
WB	Through	400	100	11	150	23	175	32	35%	0%
	Right Turn	75	25	7	75	12	75	2	0%	0%

Intersection 5 **Anderson Rd/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	125	100	4	150	6	125	0	11%	7%
	Through	500	350	32	575	42	575	24	54%	12%
	Through/Right	125	175	7	225	8	225	6	0%	49%
NB	Left Turn	150	50	7	75	16	100	25	0%	0%
	Through	925	50	34	125	140	225	196	0%	0%
	Right Turn	325	100	42	275	87	325	64	3%	0%
SB	U/Left Turns	175	100	3	150	5	150	0	3%	3%
	Through	350	175	16	375	25	425	25	10%	1%
	Through/Right	250	100	7	150	6	150	0	1%	1%
WB	Left Turn	250	150	13	225	39	275	54	2%	0%
	Through	550	150	9	250	32	275	86	35%	0%
	Right Turn	100	75	7	150	10	125	0	0%	0%

Intersection 1 **SR 113 SB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	Through	225	50	9	100	26	150	39	0%	0%
	Right Turn	175	25	3	50	9	50	13	0%	0%
SB	Left/Through	1,425	150	10	225	22	250	48	0%	0%
	Right Turn	525	50	4	100	10	125	18	0%	0%
WB	U/Left Turns	50	25	1	25	6	50	15	1%	0%
	Through	1,600	100	10	175	12	200	24	15%	0%
	Through/Right	600	100	15	200	32	225	66	0%	0%
0										

Intersection 2 **SR 113 NB On Ramp/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	400	75	9	125	15	150	21	0%	0%
	Through	600	175	12	250	23	275	33	0%	0%
NB	Left/Through	525	250	13	375	25	400	45	0%	0%
	Right Turn	975	225	15	350	27	425	49	0%	0%
WB	Through	875	450	120	675	144	700	124	50%	0%
	Right Turn	100	100	6	150	8	125	0	5%	0%
0										

Intersection 4 **Sycamore Ln/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	350	275	19	425	18	375	0	16%	0%
	Through	600	250	62	550	119	600	66	7%	4%
NB	Through	200	125	9	200	27	200	24	0%	1%
SB	Left Turn	175	100	9	150	14	175	3	1%	0%
	Right Turn	375	125	11	200	16	225	25	4%	0%
WB	Through	400	225	26	400	38	450	33	68%	1%
	Right Turn	75	50	8	100	5	100	0	1%	0%

SimTraffic Post-Processor **University Mall Redevelopment**
Average Results from 10 Runs **Cumulative Plus Project**
Queue Length **PM Peak Hour**

Intersection 5 **Anderson Rd/Russell Blvd** **0**

Direction	Lane Group	Storage (ft)	Average Queue (ft) Average	Average Queue (ft) Std. Dev.	95th Queue (ft) Average	95th Queue (ft) Std. Dev.	Maximum Queue (ft) Average	Maximum Queue (ft) Std. Dev.	Block Time Pocket	Block Time Upstream
EB	U/Left Turns	125	100	8	150	7	125	0	14%	9%
	Through	500	375	32	650	34	600	19	68%	28%
	Through/Right	125	175	9	250	6	225	6	0%	56%
NB	U/Left Turns	150	150	26	225	18	175	1	44%	0%
	Through	900	Queue length from 95th percentile reported in Synchro output (see next page)							
	Right Turn	325	375	20	400	56	375	0	95%	0%
SB	U/Left Turns	175	125	4	150	5	150	0	23%	23%
	Through	350	300	22	450	19	450	15	43%	7%
	Through/Right	250	100	8	175	7	150	0	2%	2%
WB	Left Turn	250	250	35	325	39	325	12	16%	0%
	Through	550	275	79	450	150	475	100	51%	3%
	Right Turn	100	75	7	150	7	125	0	1%	0%

Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	126	774	558	766	133	207	423	526	219	303
v/c Ratio	0.76	0.87	0.99	0.66	0.23	0.57	0.49	1.07	0.89	0.47
Control Delay	79.9	33.1	76.5	29.4	10.3	45.6	31.3	76.8	74.6	26.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	79.9	33.1	76.5	29.4	10.3	45.6	31.3	76.8	74.6	26.3
Queue Length 50th (ft)	73	106	161	51	1	98	108	~193	123	67
Queue Length 95th (ft)	#163	#291	m#280	m310	m91	#291	175	#392	#250	87
Internal Link Dist (ft)		121		532			879			139
Turn Bay Length (ft)	100		225		75	125		300	150	
Base Capacity (vph)	175	892	566	1155	571	363	870	492	253	1025
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.72	0.87	0.99	0.66	0.23	0.57	0.49	1.07	0.87	0.30

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

FEHR PEERS

Project	University Mall Redevelopment
Scenario	Existing Conditions
Peak Hour	AM
Major Street	Russell Blvd
Minor Street	Orchard Park Dr

Turn Movement Volumes

	NB	SB	EB	WB
Left	36	0	3	43
Through	0	0	871	519
Right	44	0	105	0
Total	80	0	979	562

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	23
Approach with Worst Case Delay	0
Total Vehicles on Approach	#N/A

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Conditions	**#N/A**	**80**	**1,621**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**#N/A**	**Not Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Russell Blvd
Minor Street	Orchard Park Dr

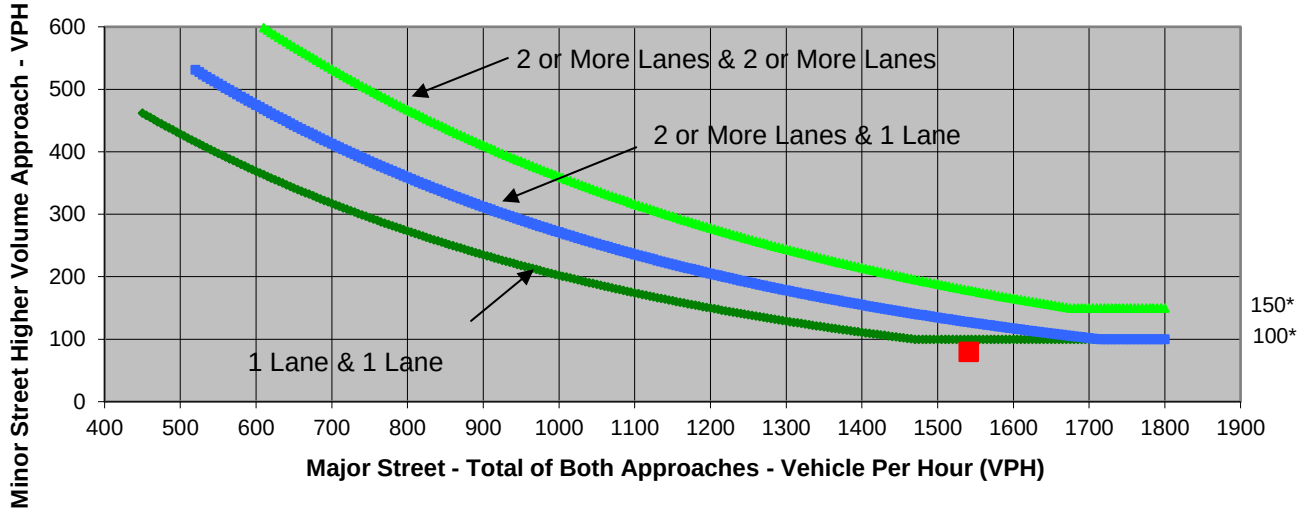
Project	University Mall Redevelopment
Scenario	Existing Conditions
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	36	0	3	43
Through	0	0	871	519
Right	44	0	105	0
Total	80	0	979	562

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	Orchard Park Dr	
Number of Approach Lanes	**2**	**1**	**NO**
Traffic Volume (VPH) *	**1,541**	**80**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Scenario	Existing Conditions
Peak Hour	AM
Major Street	Russell Blvd
Minor Street	California Ave

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	121
Through	0	0	652	486
Right	60	2	201	0
Total	60	2	853	607

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	5
Approach with Worst Case Delay	0
Total Vehicles on Approach	#N/A

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Conditions	**#N/A**	**60**	**1,522**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**#N/A**	**Not Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

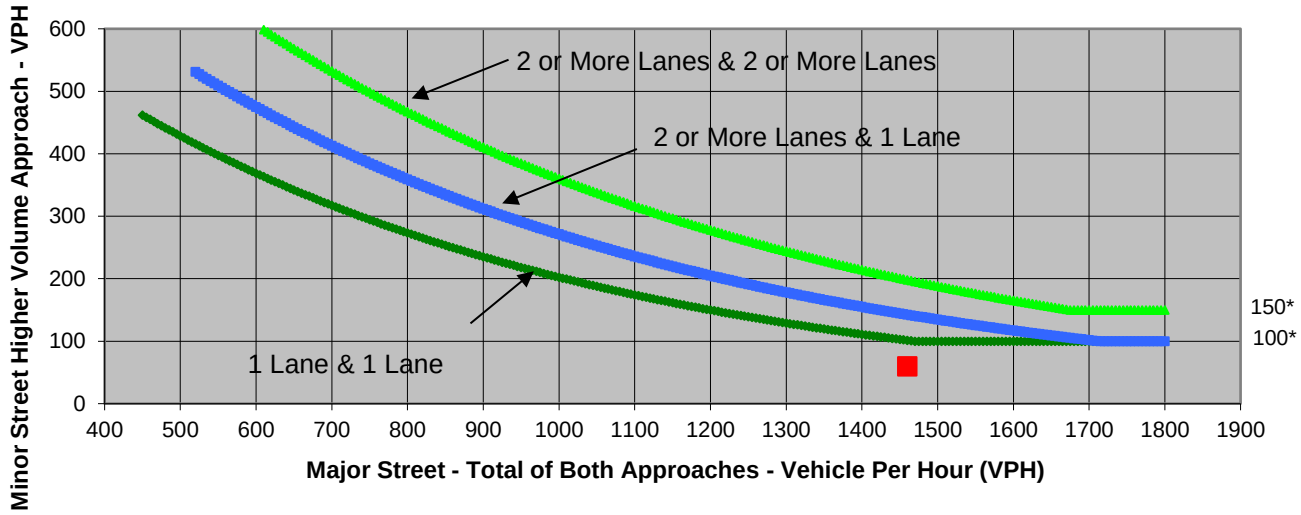
Project	University Mall Redevelopment
Scenario	Existing Conditions
Peak Hour	AM
Major Street	Russell Blvd
Minor Street	California Ave

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	121
Through	0	0	652	486
Right	60	2	201	0
Total	60	2	853	607

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	California Ave	
Number of Approach Lanes	**2**	**1**	**NO**
Traffic Volume (VPH) *	**1,460**	**60**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Scenario	Existing Conditions
Peak Hour	AM
Major Street	Sycamore Ln
Minor Street	Wake Forest Dr/Hawthorne Ln

Turn Movement Volumes

	NB	SB	EB	WB
Left	43	2	4	16
Through	147	281	1	1
Right	36	5	51	1
Total	226	288	56	18

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	18
Approach with Worst Case Delay	0
Total Vehicles on Approach	#N/A

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Conditions	**#N/A**	**56**	**588**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**#N/A**	**Not Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Sycamore Ln
Minor Street	Wake Forest Dr/Hawthorne Ln

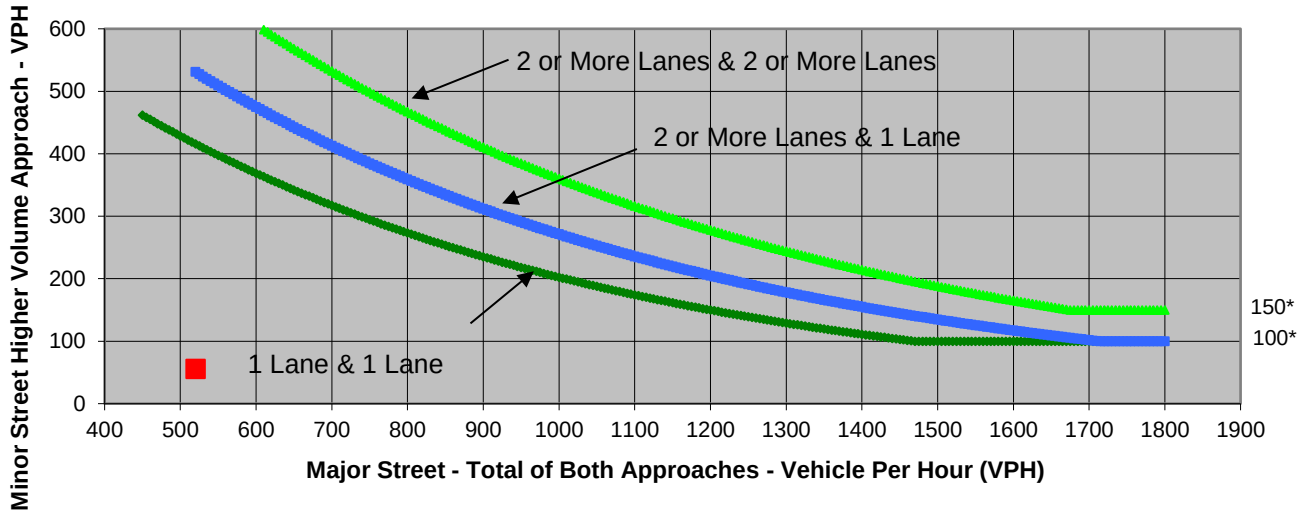
Project	University Mall Redevelopment
Scenario	Existing Plus Project
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	43	2	4	16
Through	151	283	1	1
Right	36	5	51	1
Total	230	290	56	18

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	Wake Forest Dr/Hawthorne Ln	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**520**	**56**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Sycamore Ln
Minor Street	W Eighth St

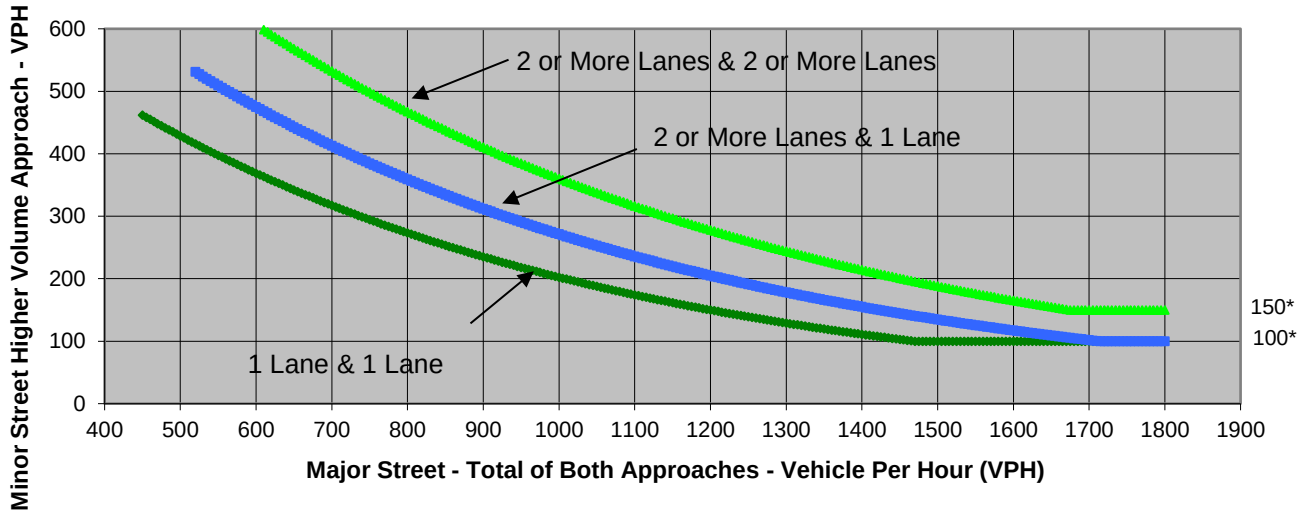
Project	University Mall Redevelopment
Scenario	Existing Plus Project
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	5	59	4	105
Through	106	157	15	8
Right	44	4	18	33
Total	155	220	37	146

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	W Eighth St	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**375**	**146**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Sycamore Ln
Scenario	Existing Plus Project
Minor Street	W Eighth St
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	5	59	4	105
Through	106	157	15	8
Right	44	4	18	33
Total	155	220	37	146

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	10
Approach with Worst Case Delay	0
Total Vehicles on Approach	#N/A

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Plus Project	**#N/A**	**146**	**558**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**#N/A**	**Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Russell Blvd
Scenario	Existing Plus Project
Minor Street	Orchard Park Dr
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	72	0	0	56
Through	0	0	703	867
Right	92	0	45	0
Total	164	0	748	923

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	67
Approach with Worst Case Delay	0
Total Vehicles on Approach	#N/A

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Plus Project	**#N/A**	**164**	**1,835**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**#N/A**	**Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Russell Blvd
Minor Street	California Ave

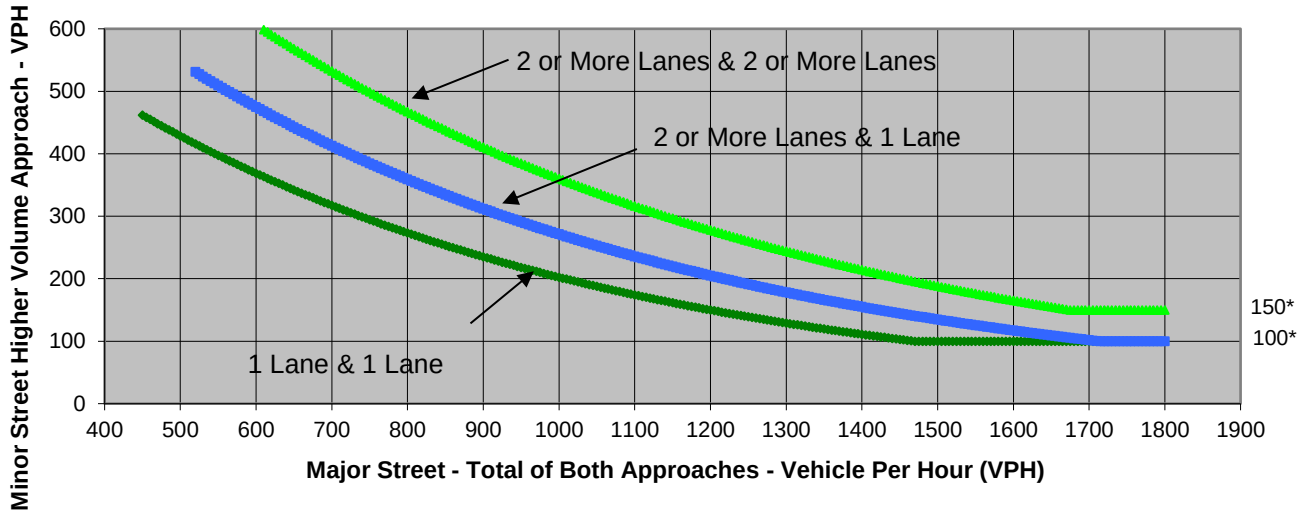
Project	University Mall Redevelopment
Scenario	Existing Plus Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	58
Through	0	0	850	929
Right	200	0	97	0
Total	200	0	947	987

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	California Ave	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**1,934**	**200**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Russell Blvd	Project	University Mall Redevelopment
Minor Street	California Ave	Scenario	Existing Plus Project
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	58
Through	0	0	850	929
Right	200	0	97	0
Total	200	0	947	987

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	34
Approach with Worst Case Delay	0
Total Vehicles on Approach	#N/A

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Plus Project	**#N/A**	**200**	**2,134**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**#N/A**	**Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Sycamore Ln
Minor Street	Wake Forest Dr/Hawthorne Ln

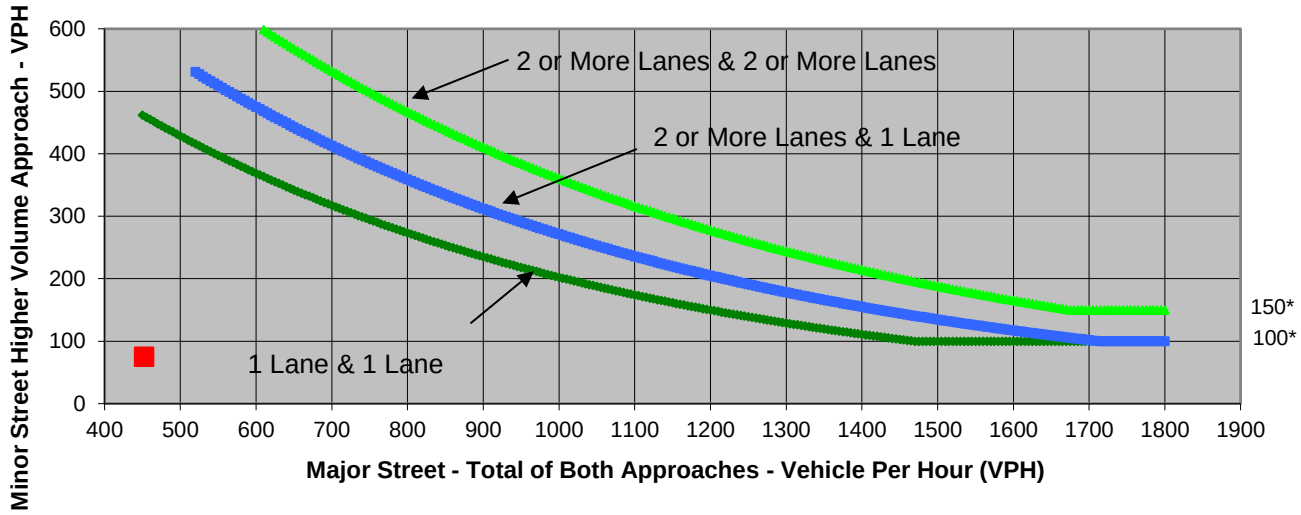
Project	University Mall Redevelopment
Scenario	Existing Plus Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	53	4	13	23
Through	200	143	5	1
Right	41	11	57	2
Total	294	158	75	26

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	Wake Forest Dr/Hawthorne Ln	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**452**	**75**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

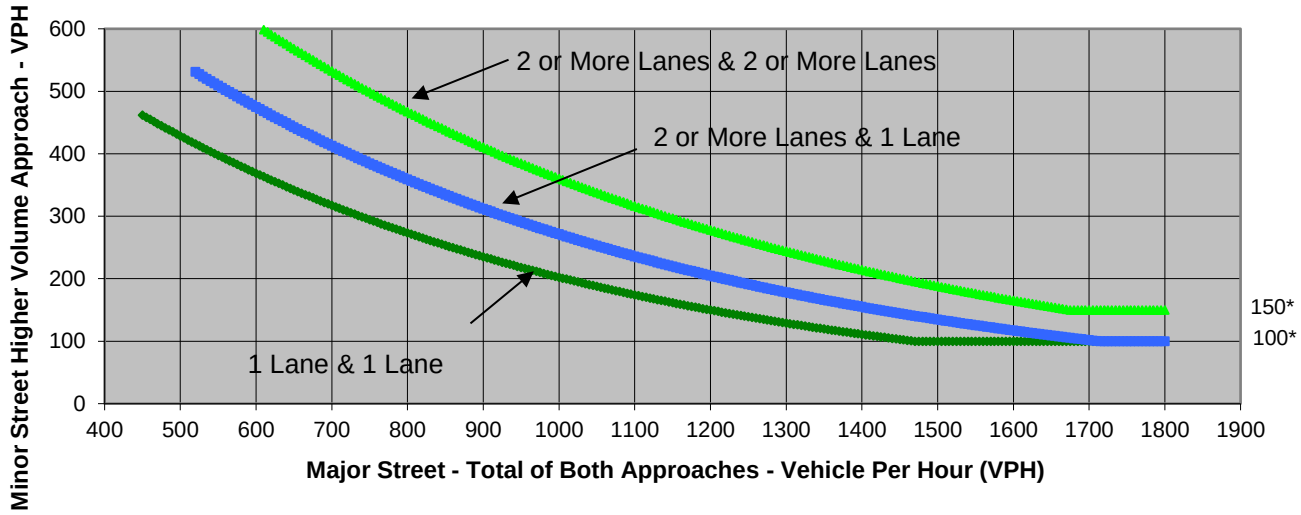
Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	W Eighth St	Scenario	Existing Plus Project
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	13	27	7	41
Through	150	112	14	24
Right	52	4	5	31
Total	215	143	26	96

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	W Eighth St	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**358**	**96**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	W Eighth St	Scenario	Existing Plus Project
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	13	27	7	41
Through	150	112	14	24
Right	52	4	5	31
Total	215	143	26	96

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	9
Approach with Worst Case Delay	0
Total Vehicles on Approach	#N/A

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Plus Project	**#N/A**	**96**	**480**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**#N/A**	**Not Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Sycamore Ln
Scenario	Existing Plus Project
Minor Street	Wake Forest Dr/Hawthorne Ln
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	53	4	13	23
Through	200	143	5	1
Right	41	11	57	2
Total	294	158	75	26

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	18
Approach with Worst Case Delay	0
Total Vehicles on Approach	#N/A

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Existing Plus Project	**#N/A**	**75**	**553**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**#N/A**	**Not Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	AM

Major Street	Russell Blvd
Minor Street	California Ave

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	130
Through	0	0	1,060	695
Right	130	5	220	0
Total	130	5	1,280	825

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	37
Approach with Worst Case Delay	NB
Total Vehicles on Approach	130

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative No Project	**1.3**	**130**	**2,240**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Russell Blvd
Scenario	Cumulative No Project
Minor Street	Orchard Park Dr
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	70	0	5	50
Through	0	0	1,090	695
Right	50	0	130	0
Total	120	0	1,225	745

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	114
Approach with Worst Case Delay	NB
Total Vehicles on Approach	120

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative No Project	**3.8**	**120**	**2,090**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**Not Met**	**Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Russell Blvd
Minor Street	Orchard Park Dr

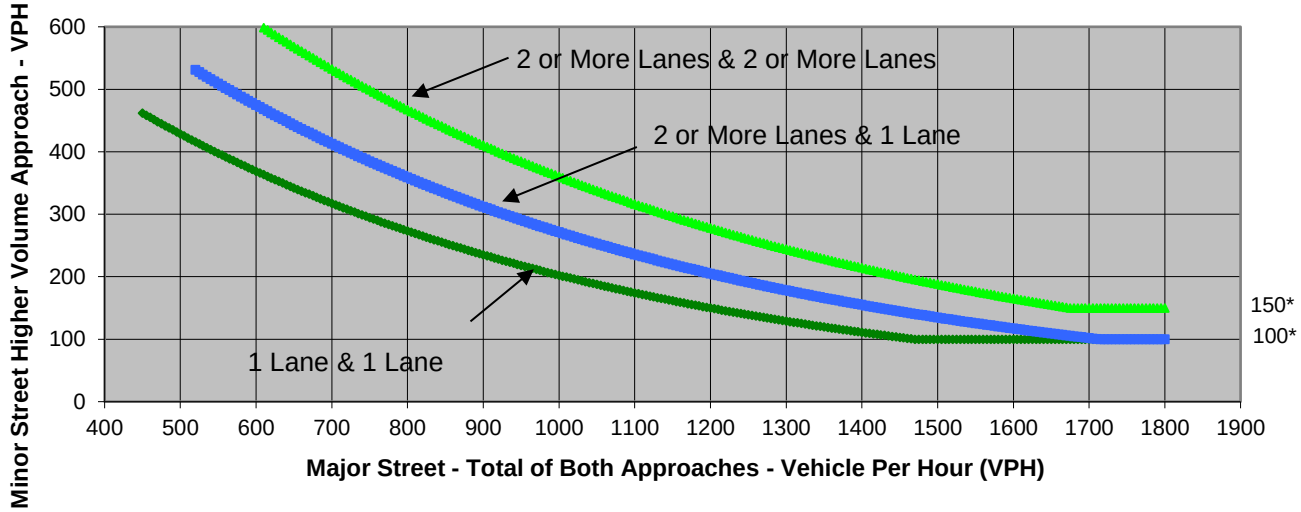
Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	70	0	5	50
Through	0	0	1,090	695
Right	50	0	130	0
Total	120	0	1,225	745

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	Orchard Park Dr	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**1,970**	**120**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Russell Blvd
Minor Street	California Ave

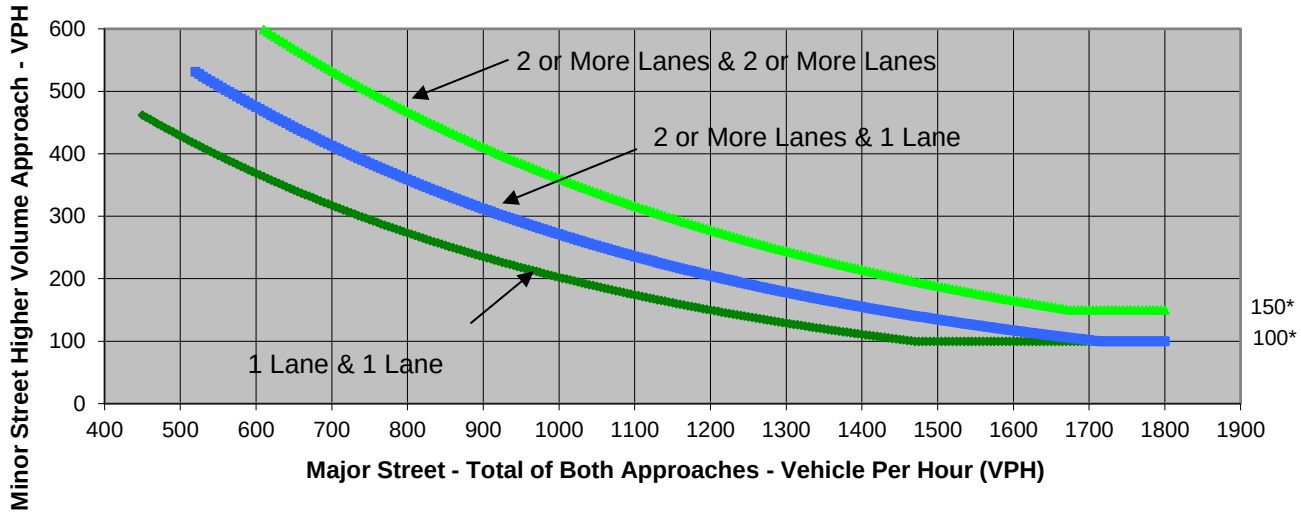
Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	130
Through	0	0	1,060	695
Right	130	5	220	0
Total	130	5	1,280	825

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	California Ave	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**2,105**	**130**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	Wake Forest Dr/Hawthorne Ln	Scenario	Cumulative No Project
		Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	50	5	10	20
Through	160	290	5	5
Right	40	10	60	5
Total	250	305	75	30

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	20
Approach with Worst Case Delay	WB
Total Vehicles on Approach	30

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative No Project	**0.2**	**75**	**660**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Not Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

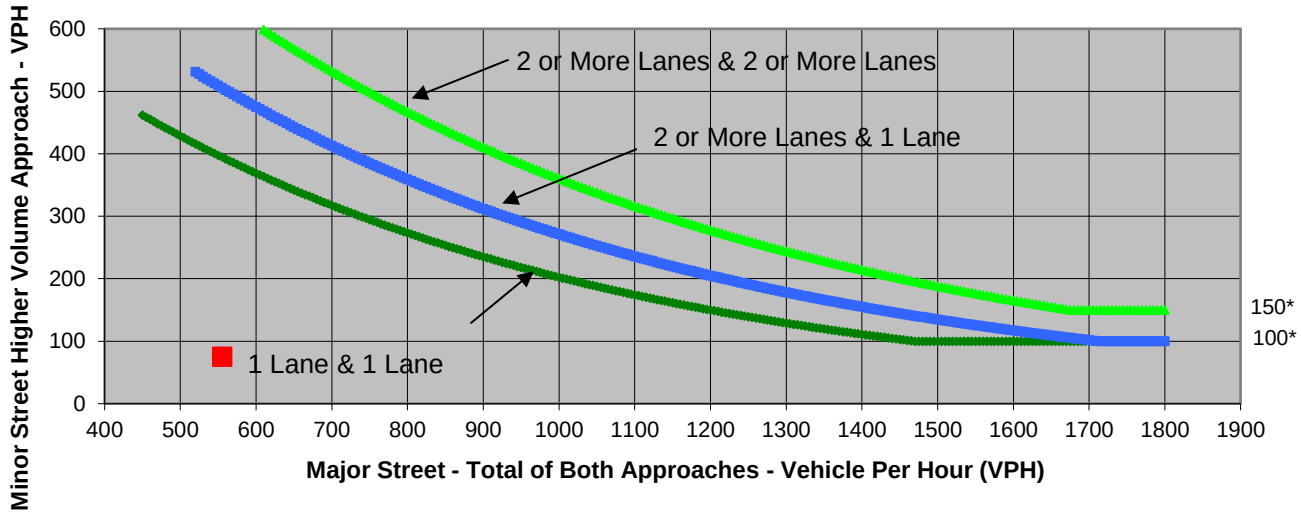
Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	Wake Forest Dr/Hawthorne Ln	Scenario	Cumulative No Project
		Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	50	5	10	20
Through	160	290	5	5
Right	40	10	60	5
Total	250	305	75	30

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	Wake Forest Dr/Hawthorne Ln	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**555**	**75**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Sycamore Ln
Minor Street	W Eighth St

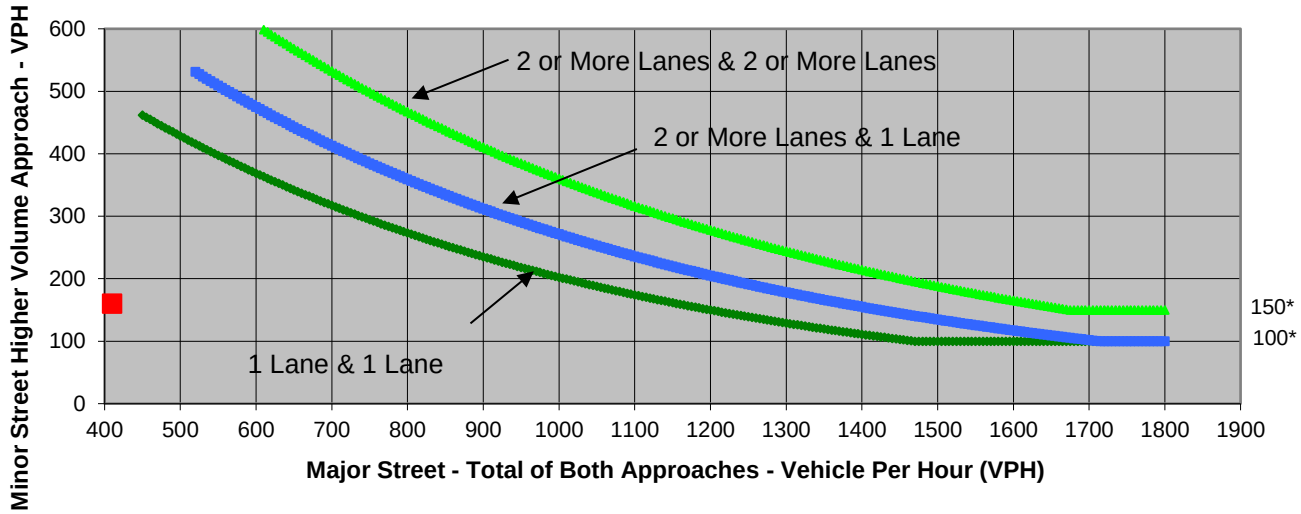
Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	10	60	10	110
Through	110	175	30	10
Right	50	5	20	40
Total	170	240	60	160

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	W Eighth St	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**410**	**160**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	AM

Major Street	Sycamore Ln
Minor Street	W Eighth St

Turn Movement Volumes

	NB	SB	EB	WB
Left	10	60	10	110
Through	110	175	30	10
Right	50	5	20	40
Total	170	240	60	160

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	11
Approach with Worst Case Delay	SB
Total Vehicles on Approach	240

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative No Project	**0.7**	**160**	**630**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Russell Blvd
Scenario	Cumulative No Project
Minor Street	Orchard Park Dr
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	105	0	0	65
Through	0	0	940	985
Right	100	0	160	0
Total	205	0	1,100	1,050

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	16
Approach with Worst Case Delay	NB
Total Vehicles on Approach	205

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative No Project	**0.9**	**205**	**2,355**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**Not Met**	**Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Russell Blvd
Minor Street	Orchard Park Dr

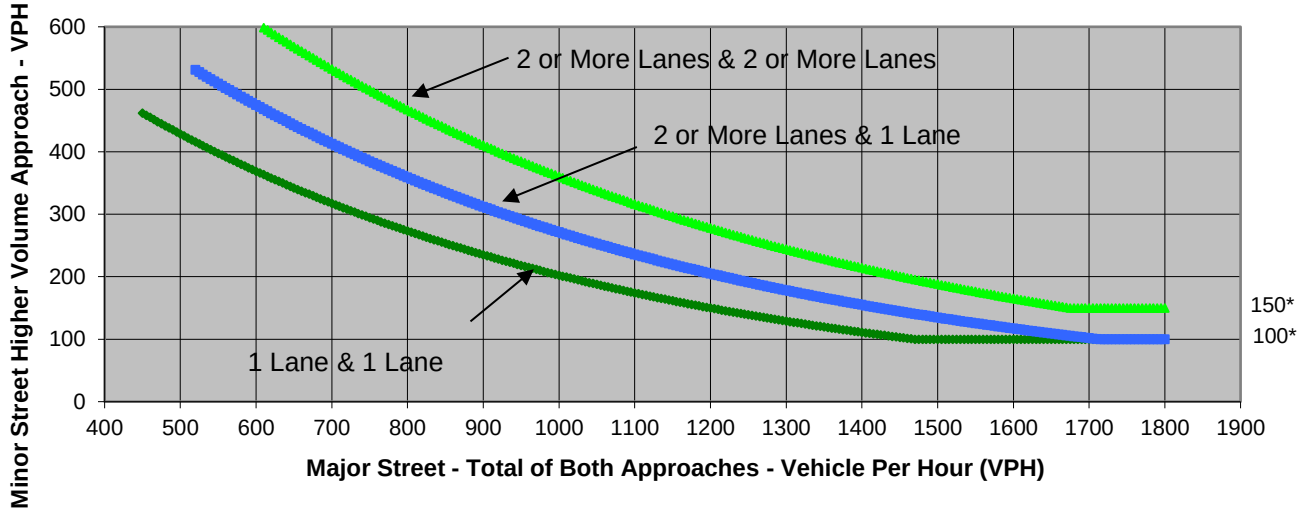
Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	105	0	0	65
Through	0	0	940	985
Right	100	0	160	0
Total	205	0	1,100	1,050

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	Orchard Park Dr	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**2,150**	**205**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Russell Blvd
Minor Street	California Ave

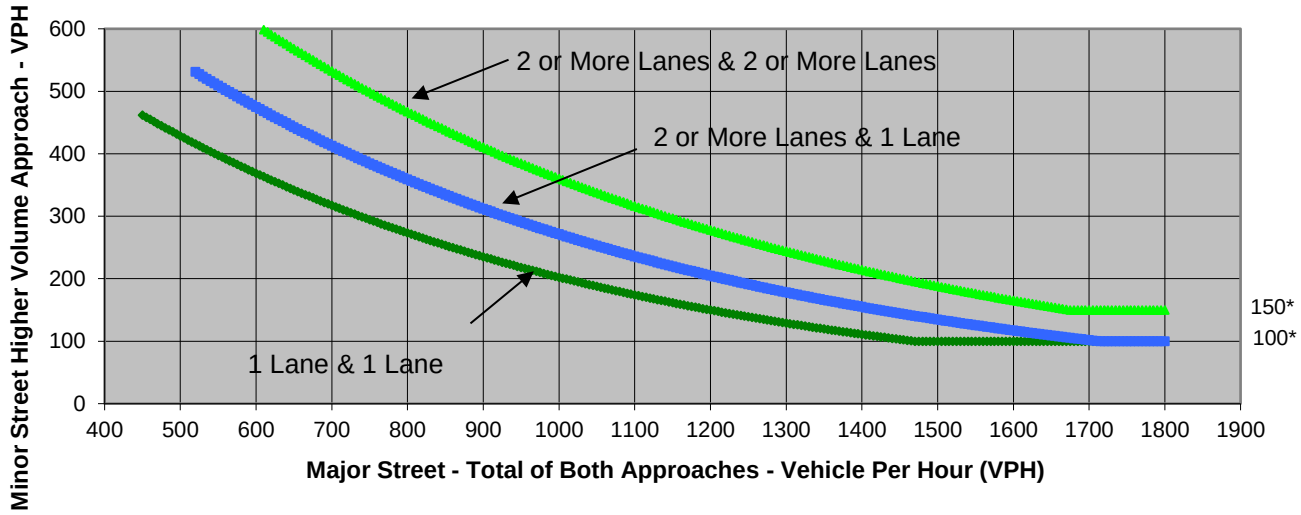
Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	125
Through	0	0	1,180	1,330
Right	210	5	120	5
Total	210	5	1,300	1,460

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	California Ave	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**2,760**	**210**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	PM

Major Street	Russell Blvd
Minor Street	California Ave

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	125
Through	0	0	1,180	1,330
Right	210	5	120	5
Total	210	5	1,300	1,460

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	360
Approach with Worst Case Delay	NB
Total Vehicles on Approach	210

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative No Project	**21**	**210**	**2,975**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Met**	**Met**	**Met**
Warrant Met	**YES**		

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Sycamore Ln
Scenario	Cumulative No Project
Minor Street	Wake Forest Dr/Hawthorne Ln
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	65	5	20	30
Through	220	145	10	5
Right	55	20	60	5
Total	340	170	90	40

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	20
Approach with Worst Case Delay	WB
Total Vehicles on Approach	40

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative No Project	**0.2**	**90**	**640**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Not Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Sycamore Ln
Minor Street	Wake Forest Dr/Hawthorne Ln

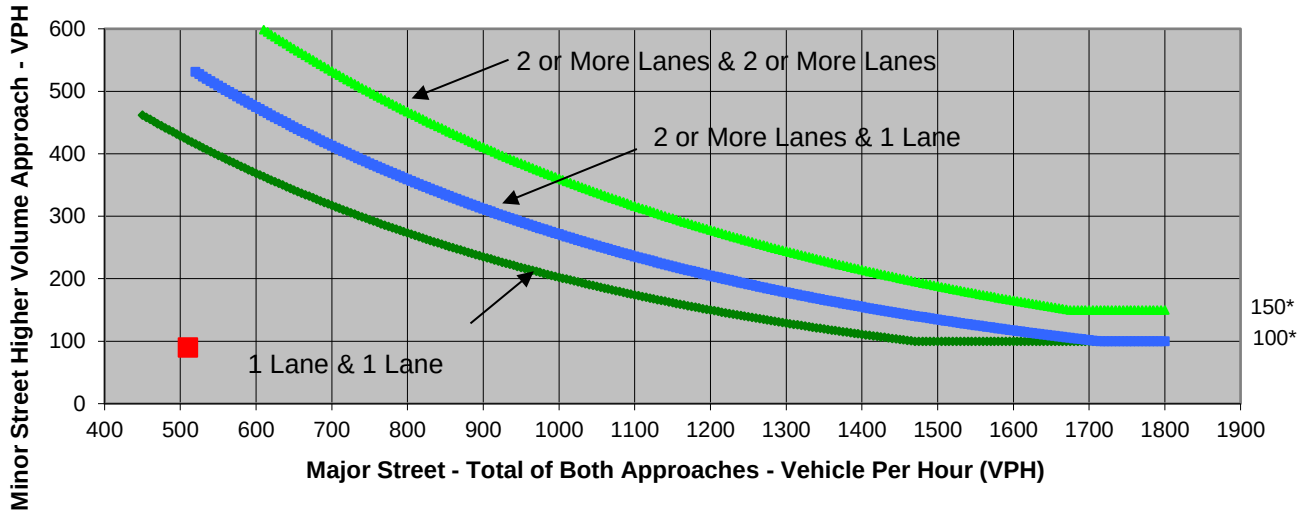
Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	65	5	20	30
Through	220	145	10	5
Right	55	20	60	5
Total	340	170	90	40

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	Wake Forest Dr/Hawthorne Ln	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**510**	**90**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	W Eighth St	Scenario	Cumulative No Project
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	20	30	10	50
Through	165	110	20	40
Right	60	10	10	40
Total	245	150	40	130

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	10
Approach with Worst Case Delay	NB
Total Vehicles on Approach	245

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative No Project	**0.7**	**130**	**565**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Sycamore Ln
Minor Street	W Eighth St

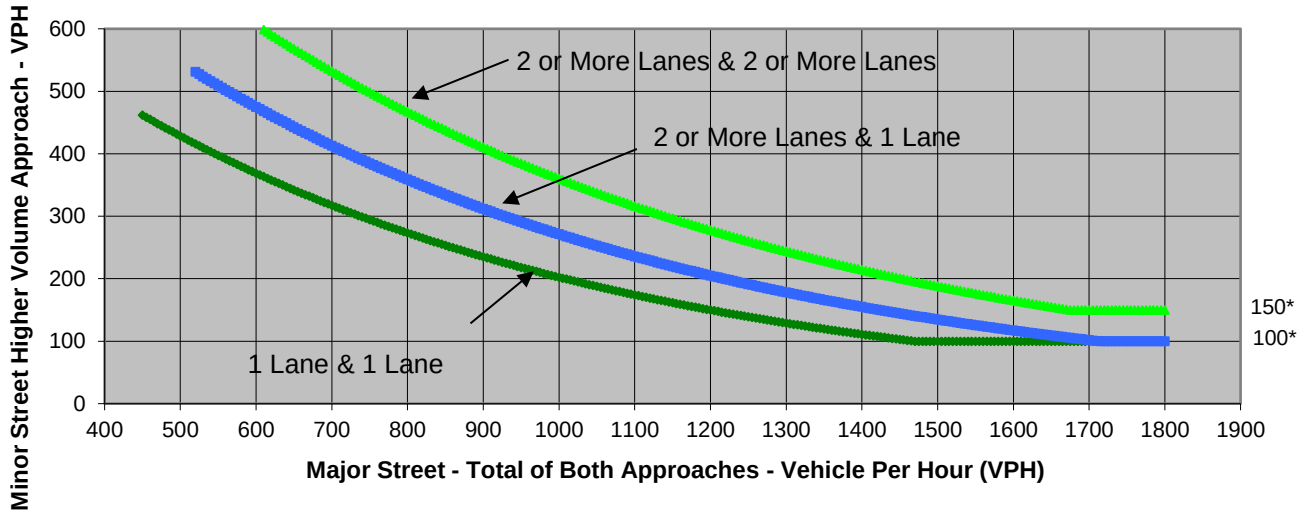
Project	University Mall Redevelopment
Scenario	Cumulative No Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	20	30	10	50
Through	165	110	20	40
Right	60	10	10	40
Total	245	150	40	130

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	W Eighth St	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**395**	**130**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Russell Blvd
Scenario	Cumulative Plus Project
Minor Street	Orchard Park Dr
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	70	0	5	50
Through	0	0	1,110	725
Right	50	0	130	0
Total	120	0	1,245	775

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	147
Approach with Worst Case Delay	NB
Total Vehicles on Approach	120

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative Plus Project	**4.9**	**120**	**2,140**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**Met**	**Met**	**Met**
Warrant Met	**YES**		

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Russell Blvd
Scenario	Cumulative Plus Project
Minor Street	California Ave
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	130
Through	0	0	1,085	715
Right	130	5	220	0
Total	130	5	1,305	845

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	36
Approach with Worst Case Delay	NB
Total Vehicles on Approach	130

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative Plus Project	**1.3**	**130**	**2,285**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Russell Blvd
Minor Street	California Ave

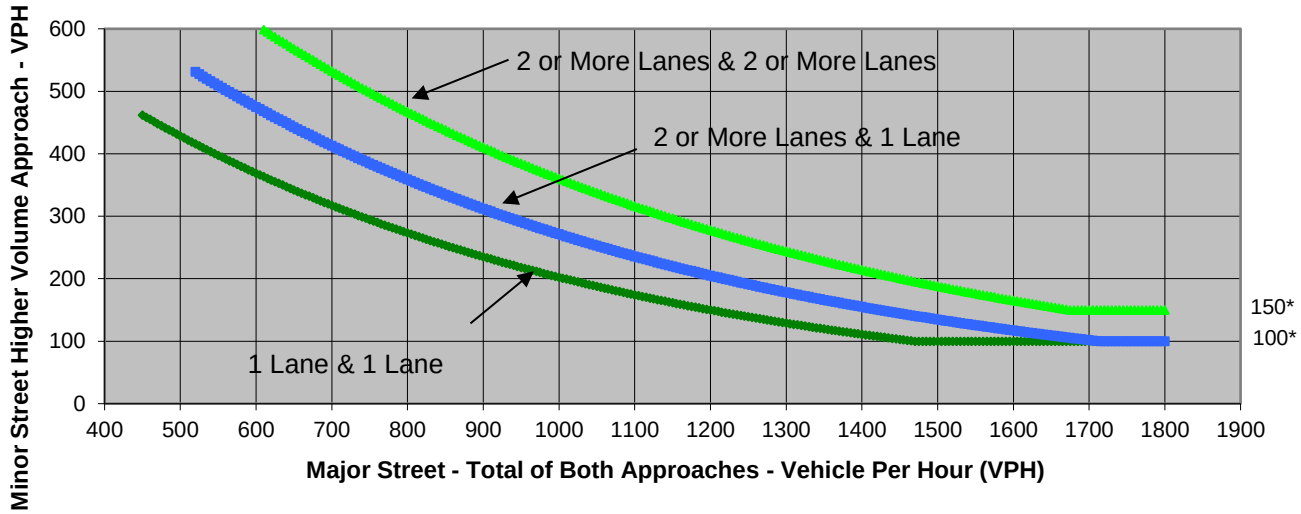
Project	University Mall Redevelopment
Scenario	Cumulative Plus Project
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	130
Through	0	0	1,085	715
Right	130	5	220	0
Total	130	5	1,305	845

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	California Ave	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**2,150**	**130**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	Wake Forest Dr/Hawthorne Ln	Scenario	Cumulative Plus Project
		Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	50	5	10	20
Through	165	295	5	5
Right	40	10	60	5
Total	255	310	75	30

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	20
Approach with Worst Case Delay	WB
Total Vehicles on Approach	30

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative Plus Project	**0.2**	**75**	**670**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Not Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

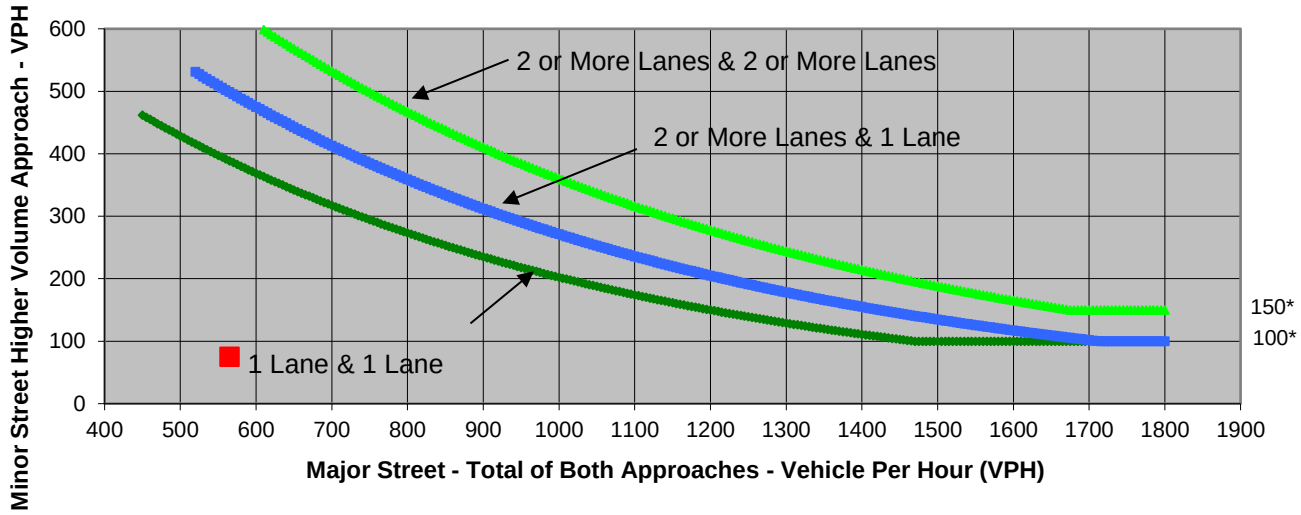
Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	Wake Forest Dr/Hawthorne Ln	Scenario	Cumulative Plus Project
		Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	50	5	10	20
Through	165	295	5	5
Right	40	10	60	5
Total	255	310	75	30

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	Wake Forest Dr/Hawthorne Ln	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**565**	**75**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Sycamore Ln
Scenario	Cumulative Plus Project
Minor Street	W Eighth St
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	10	60	10	110
Through	115	180	30	10
Right	50	5	20	40
Total	175	245	60	160

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	11
Approach with Worst Case Delay	SB
Total Vehicles on Approach	245

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative Plus Project	**0.7**	**160**	**640**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Sycamore Ln
Minor Street	W Eighth St

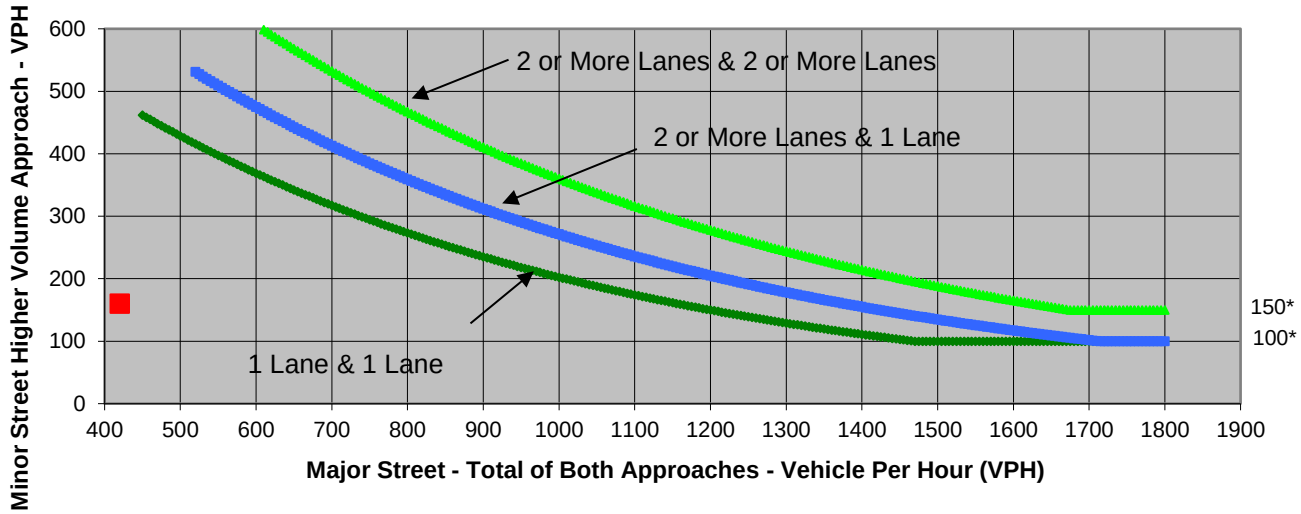
Project	University Mall Redevelopment
Scenario	Cumulative Plus Project
Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	10	60	10	110
Through	115	180	30	10
Right	50	5	20	40
Total	175	245	60	160

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	W Eighth St	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**420**	**160**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Russell Blvd
Minor Street	Orchard Park Dr

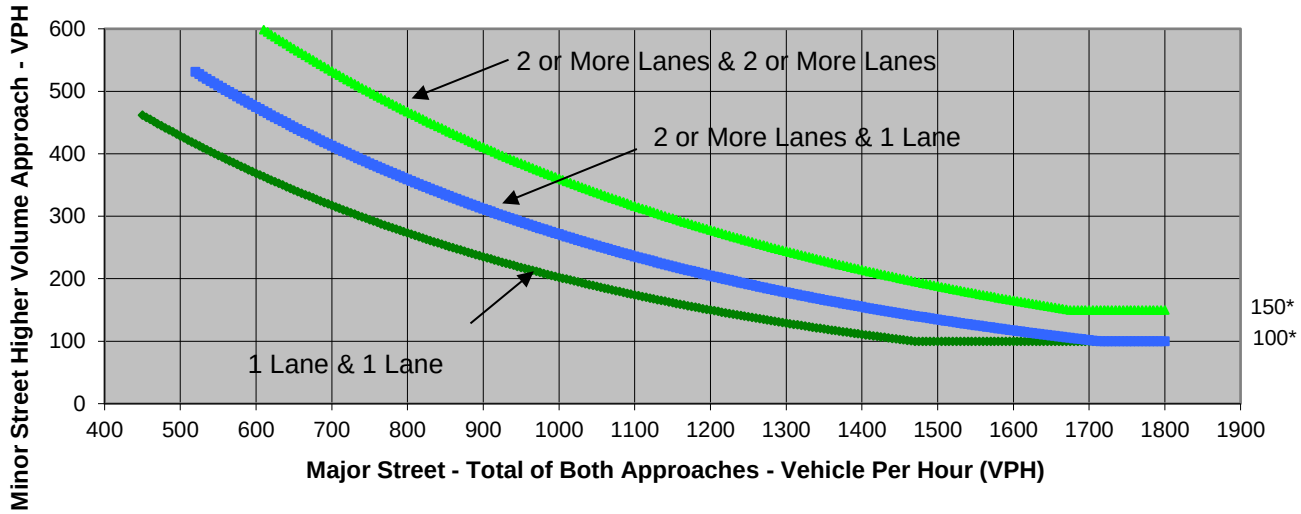
Project	University Mall Redevelopment
Scenario	Cumulative Plus Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	105	0	0	65
Through	0	0	980	1,040
Right	100	0	160	0
Total	205	0	1,140	1,105

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	Orchard Park Dr	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**2,245**	**205**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Russell Blvd
Scenario	Cumulative Plus Project
Minor Street	California Ave
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	125
Through	0	0	1,220	1,390
Right	210	0	120	0
Total	210	0	1,340	1,515

Major Street Direction

	North/South
X	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	374
Approach with Worst Case Delay	NB
Total Vehicles on Approach	210

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative Plus Project	**21.8**	**210**	**3,065**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**Met**	**Met**	**Met**
Warrant Met	**YES**		

FEHR PEERS

Major Street	Russell Blvd
Minor Street	California Ave

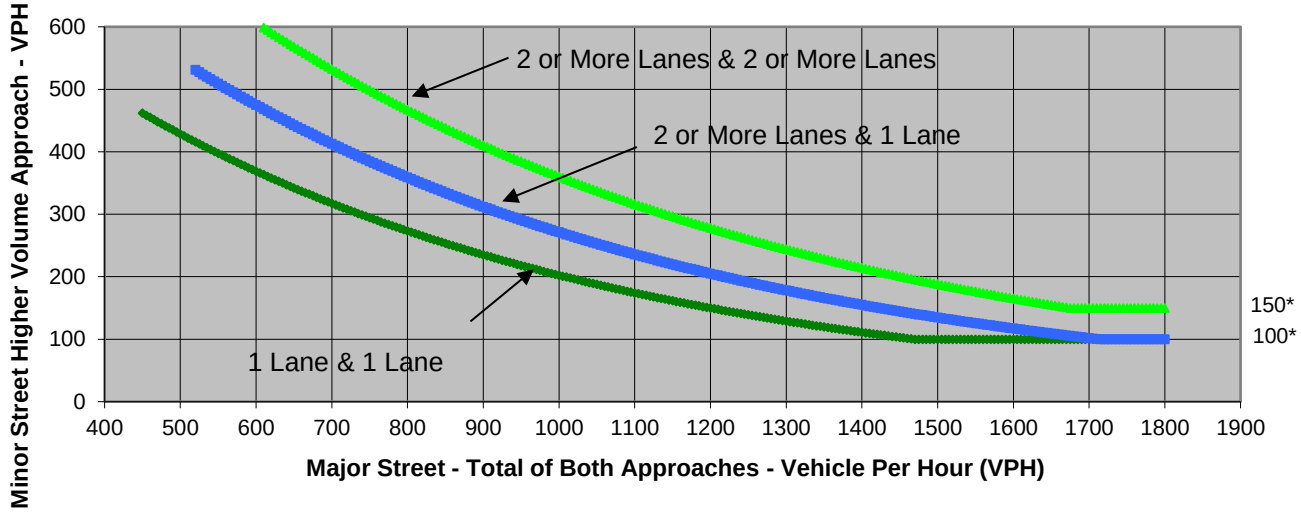
Project	University Mall Redevelopment
Scenario	Cumulative Plus Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	0	0	125
Through	0	0	1,220	1,390
Right	210	0	120	0
Total	210	0	1,340	1,515

Major Street Direction

	North/South
X	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Russell Blvd	California Ave	
Number of Approach Lanes	**2**	**1**	**YES**
Traffic Volume (VPH) *	**2,855**	**210**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	Wake Forest Dr/Hawthorne Ln	Scenario	Cumulative Plus Project
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	65	5	20	35
Through	230	155	10	5
Right	60	20	60	5
Total	355	180	90	45

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	20
Approach with Worst Case Delay	WB
Total Vehicles on Approach	45

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative Plus Project	**0.3**	**90**	**670**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Not Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

Major Street	Sycamore Ln
Minor Street	Wake Forest Dr/Hawthorne Ln

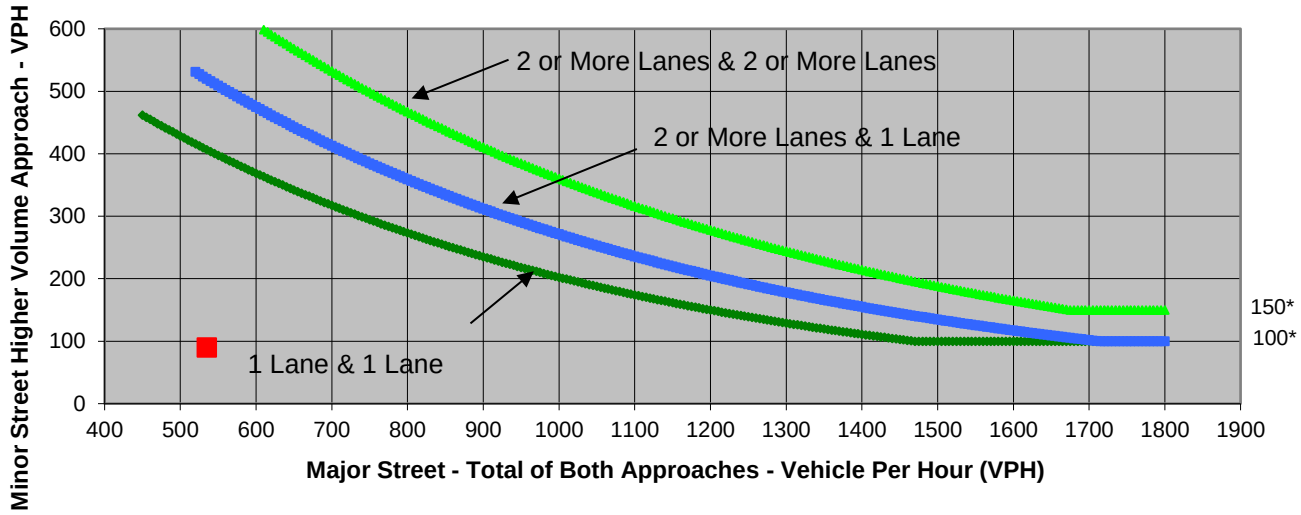
Project	University Mall Redevelopment
Scenario	Cumulative Plus Project
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	65	5	20	35
Through	230	155	10	5
Right	60	20	60	5
Total	355	180	90	45

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	Wake Forest Dr/Hawthorne Ln	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**535**	**90**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	University Mall Redevelopment
Major Street	Sycamore Ln
Scenario	Cumulative Plus Project
Minor Street	W Eighth St
Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	20	30	10	50
Through	175	120	20	40
Right	60	10	10	40
Total	255	160	40	130

Major Street Direction

X	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	4

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	10
Approach with Worst Case Delay	NB
Total Vehicles on Approach	255

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Cumulative Plus Project	**0.7**	**130**	**585**
Limiting Value	**4**	**100**	**800**
Condition Satisfied?	**Not Met**	**Met**	**Not Met**
Warrant Met	**NO**		

FEHR PEERS

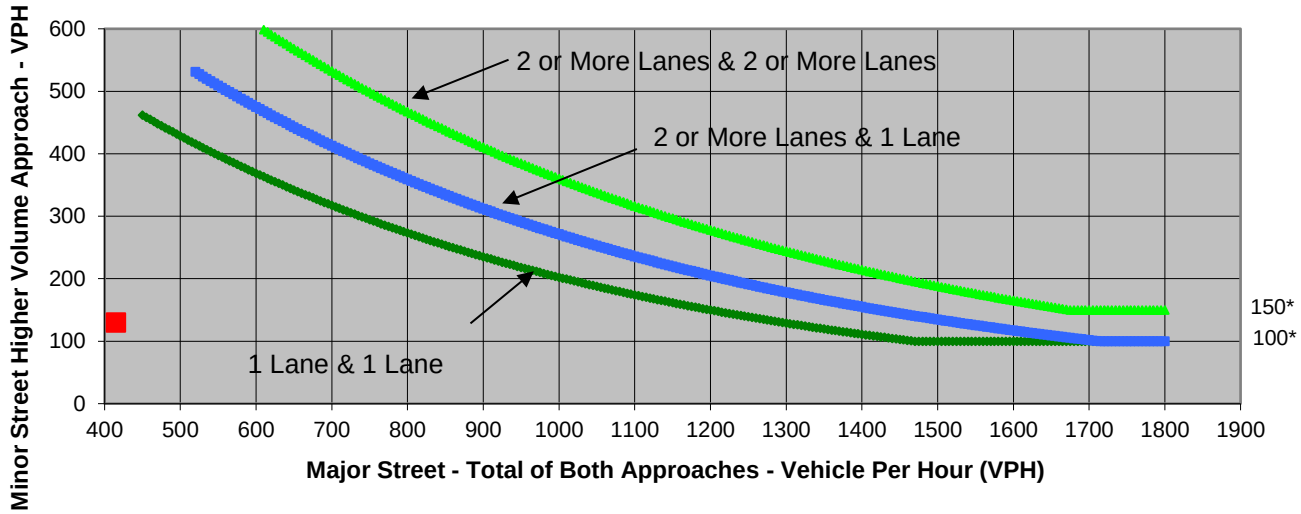
Major Street	Sycamore Ln	Project	University Mall Redevelopment
Minor Street	W Eighth St	Scenario	Cumulative Plus Project
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	20	30	10	50
Through	175	120	20	40
Right	60	10	10	40
Total	255	160	40	130

Major Street Direction

X	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sycamore Ln	W Eighth St	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**415**	**130**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.