

APPENDIX H

Noise Data

FIELD NOISE MEASUREMENT DATA

PROJECT	<u>KAISER MURENO VALLEY</u>		PROJECT #	<u>10624</u>
SITE ID			OBSERVER(S)	<u>PETE VITAJR</u>
SITE ADDRESS				
START DATE	<u>3/13/19</u>	END DATE	<u>3/13/19</u>	
START TIME		END TIME		

METEOROLOGICAL CONDITIONS

TEMP 53 F HUMIDITY 58 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 12 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 2 SERIAL # M037004
 CALIBRATOR BSWA CA 114 SERIAL # 980151
 CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST POST-TEST dBA SPL WINDSCRN YES

SETTINGS

A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>ST-1</u> 1	<u>11:06</u>	<u>11:21</u>	<u>69.2</u>	<u>82.2</u>	<u>56.9</u>				

COMMENTS

READINGS TAKEN ON SOUTH SIDE OF IRIS AVE, AT NW CORNER OF RESIDENTIAL PROPERTY AT 27128 ARIA CT; PRIMARY NOISE SOURCE IS TRAFFIC ON IRIS AVE;

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE		<u>TRAFFIC</u>		AIRCRAFT	RAIL	INDUSTRIAL	OTHER:			
ROADWAY TYPE:		<u>ASPHALT</u>		DIST. TO RDWY C/L OR		<u>EOP:</u>	<u>34'</u>			
TRAFFIC COUNT DURATION:		<u>15</u> MIN	SPEED		MIN		SPEED			
COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB
	AUTOS	<u>239</u>								
	MED TRKS	<u>4</u>								
	HVY TRKS	<u>1</u>								
	BUSES	<u>1</u>								
	MOTRCLS	<u>0</u>								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER:

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER:

PHOTOS 3903; 3904; 3905; 3906; 3908

OTHER COMMENTS / SKETCH



FIELD NOISE MEASUREMENT DATA

PROJECT	KAISER MORENO VALLEY		PROJECT #	10624
SITE ID			OBSERVER(S)	PETE VITAR
SITE ADDRESS				
START DATE	3/13/19	END DATE	3/13/19	
START TIME		END TIME		

METEOROLOGICAL CONDITIONS

TEMP 58 F HUMIDITY 43 % R.H. WIND CALM ~~MODERATE~~ ~~STEADY~~ ~~GUSTY~~
 WINDSPD 11 MPH DIR. N NE S SE S SW W NW
 SKY SUNNY ~~CLEAR~~ OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 2 SERIAL # 14037004
 CALIBRATOR BSWA CA 114 SERIAL # 480151
 CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCRN YES

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER:

REC. # 3 BEGIN 12:02 END 12:18 Leq 70.6 Lmax 81.7 Lmin 58.1 L90 L50 L10 OTHER (SPECIFY METRIC)

COMMENTS

RECORD TAKEN AT NORTHEAST CORNER OF OLIVER ST. AND SHELLIE WAY
 AT WESTERN PROPERTY LINE OF 27510 SHELLIE WAY (RESIDENTIAL);
 PRIMARY NOISE SOURCE IS TRAFFIC ON OLIVER WAY

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER:
 ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR EOP: 19'
 TRAFFIC COUNT DURATION: 15 MIN SPEED MIN SPEED

COUNT 1 (OR RDWY 1)	DIRECTION		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	DIRECTION		SPEED	
	NB/EB	SB/WB	NB/EB	SB/WB			NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	<u>70</u>				☒					
MED TRKS	<u>0</u>									
HVY TRKS	<u>0</u>									
BUSES	<u>0</u>									
MOTRCLS	<u>0</u>									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DIST. GARDENERS/LANDSCAPING NOISE
 OTHER:

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER:

PHOTOS 3919; 3920; 3921; 3922;

OTHER COMMENTS / SKETCH



FIELD NOISE MEASUREMENT DATA

PROJECT	KAISER MORENO VALLEY		PROJECT #	10624
SITE ID			OBSERVER(S)	PETE VITAR
SITE ADDRESS				
START DATE	3/15/19	END DATE	3/13/19	
START TIME		END TIME		

METEOROLOGICAL CONDITIONS

TEMP 57 F HUMIDITY 47 % R.H. WIND CALM NIGHT MODERATE
 WINDSPD 12 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 2 SERIAL # 14037004
 CALIBRATOR BSWA CA 114 SERIAL # 980151
 CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCRN YES

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>573</u> <u>2</u>	<u>11:34</u>	<u>11:49</u>	<u>69.0</u>	<u>81.4</u>	<u>55.5</u>				

COMMENTS

READING TAKEN ON SOUTH SIDE OF IRIS AVE, AT NORTHEAST PROPERTY
 LINE OF RESIDENTIAL PROPERTY AT 27296 ARIA ST.; PRIMATE NOISE
 SOURCE IS TRAFFIC ON IRIS AVE;

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE		<u>TRAFFIC</u> AIRCRAFT		RAIL	INDUSTRIAL	OTHER:
ROADWAY TYPE: <u>ASPH</u>		DIST. TO RDWY C/L OR EOP: <u>42'</u>				
TRAFFIC COUNT DURATION: <u>15</u> MIN		SPEED		MIN SPEED		
COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	
	AUTOS	<u>224</u>				
	MED TRKS	<u>1</u>				
	HVY TRKS	<u>0</u>				
	BUSES	<u>1</u>				
	MOTRCLS	<u>1</u>				
COUNT 2 (OR RDWY 2)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER:

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER:PHOTOS 3913; 3914; 3915; 3916; 3917

OTHER COMMENTS / SKETCH



FIELD NOISE MEASUREMENT DATA

PROJECT	KAISER MORENO VALLEY	PROJECT #	10624
SITE ID		OBSERVER(S)	PETE VITAR
SITE ADDRESS			
START DATE	3/13/19	END DATE	3/13/19
START TIME		END TIME	

METEOROLOGICAL CONDITIONS

TEMP 60 F HUMIDITY 38 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 14 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT PICCOLO SCM-3 TYPE 1 2 SERIAL # 4037004
 CALIBRATOR BSWA CA 114 SERIAL # 480151
 CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST POST-TEST dBA SPL WINDSCRN YES

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER:

REC. # BEGIN END Leq Lmax Lmin L90 L50 L10 OTHER (SPECIFY METRIC)

<u>57-4</u>	<u>5</u>	<u>12:46</u>	<u>13:01</u>	<u>70.4</u>	<u>87.0</u>	<u>58.4</u>				

COMMENTS

~~MEASUREMENTS TAKEN AT HOSPITAL DRIVEWAY AT~~
 EASTERN END OF ~~MAIN~~ HOSPITAL BUILDING; PRIMARY NOISE SOURCE IS
 LEAVES RUSTLING IN NEARBY TREES AND OCCASIONAL CAR TRAFFIC
 ON DRIVEWAY

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE		TRAFFIC		AIRCRAFT	RAIL	INDUSTRIAL	OTHER:
ROADWAY TYPE: <u>ASPHALT DRIVEWAY</u>							
TRAFFIC COUNT DURATION: <u>1</u> MIN		SPEED		DIST. TO RDWY C/L OR EOP:			
COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	
	AUTOS						
	MED TRKS						
	HVY TRKS						
	BUSES						
	MOTRCLS						
COUNT 2 (OR RDWY 2)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB		
	AUTOS						
	MED TRKS						
	HVY TRKS						
	BUSES						
	MOTRCLS						

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER:

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER:

PHOTOS 3933; 3934; 3935; 3936; 3937; 3938;

OTHER COMMENTS / SKETCH



FIELD NOISE MEASUREMENT DATA

PROJECT	KAISER MORENO VALLEY		PROJECT #	10624
SITE ID			OBSERVER(S)	PETE VITAR
SITE ADDRESS				
START DATE	3/13/19	END DATE	3/13/19	
START TIME		END TIME		

METEOROLOGICAL CONDITIONS

TEMP	59 F	HUMIDITY	39 % R.H.	WIND	CALM	LIGHT	MODERATE
WINDSPD	19 MPH	DIR.	N NE S SE S SW W NW		VARIABLE	STEADY	GUSTY
SKY	SUNNY CLEAR	OVRCST	PRTTY CLDY	FOG	RAIN		

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT	PICCOLO SLM-3	TYPE	1	2	SERIAL #	1037004
CALIBRATOR	BSWA CA 114				SERIAL #	980151
CALIBRATION CHECK	PRE-TEST	dba SPL	POST-TEST	dba SPL	WINDSCRN	YES

SETTINGS

A-WTD

SLOW

FAST

FRONTAL RANDOM ANSI

OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
ST-5 4	12:23	12:39	71.1	85.7	58.8				

COMMENTS

MEASUREMENT TAKEN AT NORTHEAST CORNER OF OLIVER WAY & FILARREE AVE, AT SOUTHWEST CORNER OF LANDMARK MIDDLE SCHOOL. PRIMARY NOISE SOURCE IS TRAFFIC ON OLIVER WAY; SECONDARY IS BACKGROUND NOISE FROM SCHOOL

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE

ROADWAY TYPE: ASPHALT

TRAFFIC

AIRCRAFT

RAIL

INDUSTRIAL

OTHER:

DIST. TO RDWY C/L OR EOP: 37'

TRAFFIC COUNT DURATION: 15 MIN

SPEED

MIN

SPEED

COUNT 1
(OR RDWY 1)

DIRECTION

NB/EB

SB/WB

NB/EB

SB/WB

IF COUNTING
BOTH
DIRECTIONS
AS ONE,
CHECK HERECOUNT 2
(OR RDWY 2)

NB/EB

SB/WB

NB/EB

SB/WB

AUTOS

49

MED TRKS

1

HVY TRKS

0

BUSES

0

MOTRCLS

0

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL

DIST. KIDS PLAYING DIST. CONVRTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE

OTHER:

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER:

PHOTOS 3927; 3928; 3929; 3930; 3931

OTHER COMMENTS / SKETCH



FIELD NOISE MEASUREMENT DATA

PROJECT	KAISER MORENO VALLEY		PROJECT #	10624
SITE ID			OBSERVER(S)	PETE VITAR
SITE ADDRESS				
START DATE	3/13/19	END DATE	3/13/19	
START TIME		END TIME		

METEOROLOGICAL CONDITIONS

TEMP 60 F HUMIDITY 38 % R.H. WIND CALM LIGHT (MODERATE)
 WINDSPD 14 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY (SUNNY) CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 2 SERIAL # 140317004
 CALIBRATOR BSWA CA 114 SERIAL # 480151
 CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCRN YES

SETTINGS

A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. # BEGIN END Leq Lmax Lmin L90 L50 L10 OTHER (SPECIFY METRIC)

ST-6	6	13:07	13:22	65.7	82.8	55.7				

COMMENTS

READING TAKEN AT WESTERN EDGE OF EMPLOYEE PARKING LOT ON NORTH SIDE OF MAIN HOSPITAL BUILDING; PRIMARY NOISE SOURCE IS FROM CENTRAL UTILITIES PLANT. MEAS. WAS LOCATED 85' FROM WESTERN EDGE OF CUP BUILDING; OCCASIONAL CONSENTANEOUS PARKING LOT

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE		TRAFFIC		AIRCRAFT		RAIL		INDUSTRIAL		OTHER:		
ROADWAY TYPE: ASPHALT										DIST. TO RDWY C/L OR EOP: 85' FROM CUP BUILDING		
TRAFFIC COUNT DURATION: MIN		SPEED										
COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB	
	AUTOS											
	MED TRKS											
	HVY TRKS											
	BUSES											
	MOTRCLS											

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT (RUSTLING LEAVES) DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER:

DESCRIPTION / SKETCH

TERRAIN HARD SOFT (MIXED) FLAT OTHER:

PHOTOS 3940; 3941; 3942; 3943; 3944; 3945; 3946; 3948; 3949; 3950; 3952
 OTHER COMMENTS / SKETCH



FIELD NOISE MEASUREMENT DATA

PROJECT	KAISER MURENO VALLEY		PROJECT #	10624
SITE ID			OBSERVER(S)	PETE VITAR
SITE ADDRESS				
START DATE	3/13/19	END DATE	3/13/19	
START TIME		END TIME		

METEOROLOGICAL CONDITIONS

TEMP 60 F HUMIDITY 38 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 14 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 2 SERIAL # 14037004
 CALIBRATOR BSWA CA 114 SERIAL # 980151
 CALIBRATION CHECK PRE-TEST dBA SPL POST-TEST dBA SPL WINDSCRN YES

SETTINGS

A-WTD

SLOW

FAST

FRONTAL RANDOM ANSI

OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>ST-7</u> 7	<u>13:30</u>	<u>13:31</u>	<u>70.7</u>	<u>74.2</u>	<u>68.7</u>				

COMMENTS

READING TAKEN AT WESTERN EDGE OF MAIN HOSPITAL BUILDING; ~~QUANT~~
~~WIND~~ NORTHWEST OF TRAFFIC CIRCLE; ~~WIND~~ METER WAS 25' FROM
 NOISE MRI TRAILER; PRIMARY NOISE SOURCE WAS HVAC UNITS ATTACHED
 TO MRI TRAILER

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: HVAC UNITS
 ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR EOP: 25' FRONT HVAC UNITS
 TRAFFIC COUNT DURATION: ✓ MIN SPEED
 DIRECTION NB/EB SB/WB NB/EB SB/WB
 COUNT 1 (OR RDWY 1) AUTOS
 MED TRKS
 HVY TRKS
 BUSES
 MOTRCLS
 IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE
 COUNT 2 (OR RDWY 2)

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE

POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER:

DESCRIPTION / SKETCH

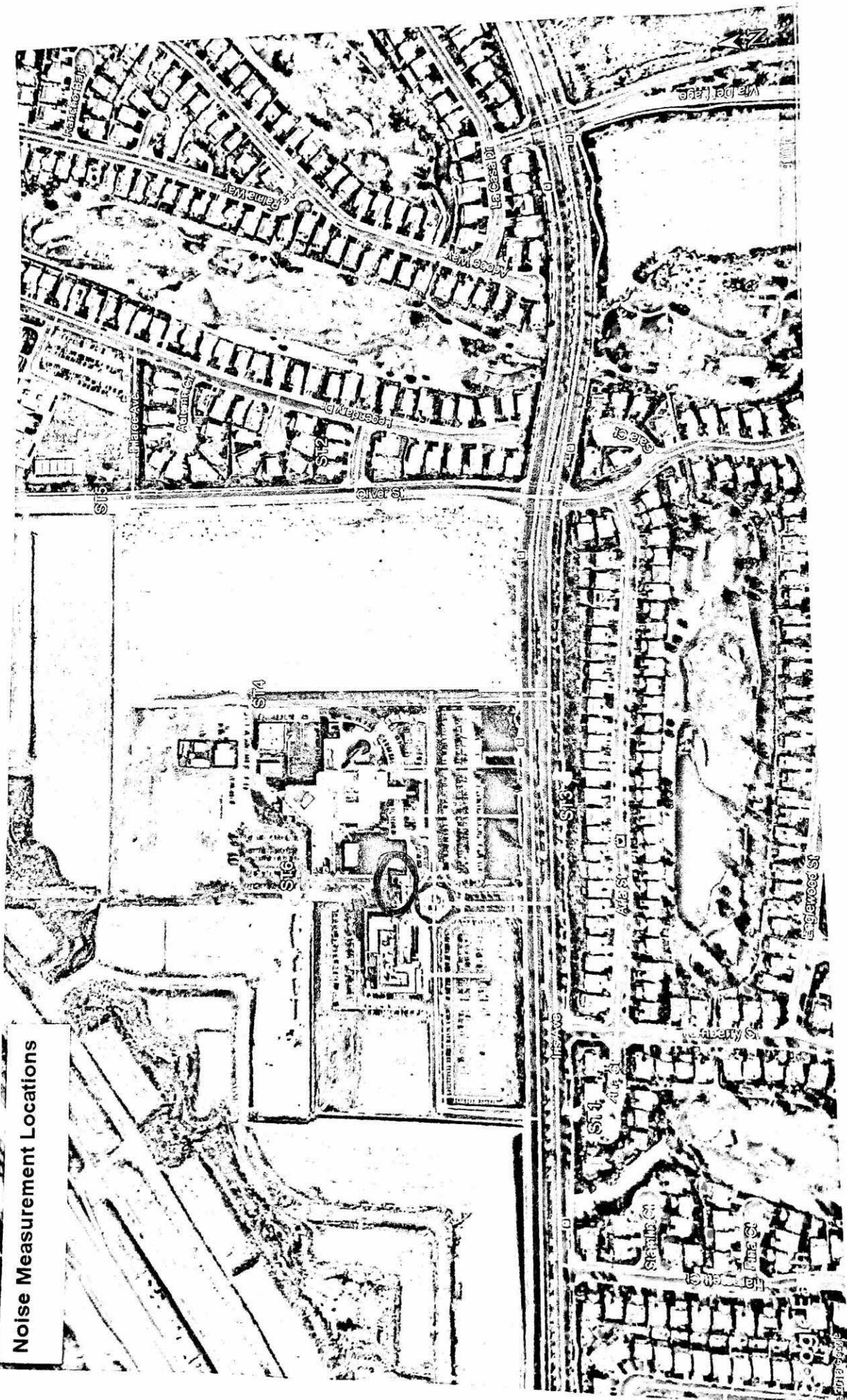
TERRAIN HARD SOFT MIXED FLAT OTHER:

PHOTOS 3953; 3954; 3955; 3956

OTHER COMMENTS / SKETCH



Noise Measurement Locations



RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	48.5	66	48.5	10	----	48.5	0.0	8	-8.0	
ST5	2	1	0.0	61.6	66	61.6	10	----	61.6	0.0	8	-8.0	
ST2	3	1	0.0	64.8	66	64.8	10	----	64.8	0.0	8	-8.0	
ST6	4	1	0.0	51.3	66	51.3	10	----	51.3	0.0	8	-8.0	
ST3	5	1	0.0	67.1	66	67.1	10	Snd Lvl	67.1	0.0	8	-8.0	
ST1	6	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0	
M1	8	1	0.0	52.8	66	52.8	10	----	52.8	0.0	8	-8.0	
M2	9	1	0.0	63.1	66	63.1	10	----	63.1	0.0	8	-8.0	
M3	10	1	0.0	62.5	66	62.5	10	----	62.5	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		9	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek CB					20 March 2019 TNM 2.5						
INPUT: ROADWAYS											
PROJECT/CONTRACT:	Kaiser Moreno Valley									Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA	
RUN:	Existing										
Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average	
		point2	2	388.5	175.7	0.00				Average	
		point3	3	576.5	274.4	0.00				Average	
		point4	4	647.4	314.5	0.00				Average	
		point5	5	943.4	425.5	0.00				Average	
		point6	6	1,214.7	474.8	0.00				Average	
		point7	7	1,469.1	489.5	0.00					
54 East Iris Ave	45.0	point9	9	314.5	55.5	0.00				Average	
		point10	10	570.4	203.5	0.00				Average	
		point11	11	776.9	296.0	0.00				Average	
		point12	12	915.7	351.5	0.00				Average	
		point13	13	1,230.2	419.3	0.00				Average	
		point14	14	1,474.1	426.4	0.00					
56 West Iris Ave	45.0	point16	16	2,330.8	505.6	0.00				Average	
		point17	17	3,172.5	493.3	0.00				Average	
		point166	166	3,451.0	494.3	0.00					
56 East Iris Ave	45.0	point22	22	2,324.7	447.0	0.00				Average	
		point168	168	2,666.1	443.9	0.00				Average	
		point169	169	3,007.6	440.9	0.00				Average	
		point170	170	3,349.1	437.8	0.00				Average	
		point172	172	3,451.8	437.0	0.00					
17 North Nason St	30.0	point28	28	2,324.7	564.2	0.00				Average	
		point29	29	2,309.3	1,014.3	0.00				Average	
		point30	30	2,204.4	1,415.2	0.00				Average	
		point31	31	2,111.9	1,834.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	32	2,096.5	2,068.8	0.00				Average	
		point33	33	2,102.7	2,395.6	0.00				Average	
		point34	34	2,155.1	2,642.2	0.00				Average	
		point35	35	2,241.4	2,904.3	0.00				Average	
		point36	36	2,346.3	3,120.1	0.00				Average	
		point37	37	2,552.8	3,483.9	0.00				Average	
		point38	38	2,670.0	3,721.3	0.00				Average	
		point39	39	2,762.5	4,103.6	0.00				Average	
		point40	40	2,796.4	4,356.4	0.00				Average	
		point41	41	2,790.2	4,544.5	0.00				Average	
		point42	42	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	43	2,278.4	564.2	0.00				Average	
		point44	44	2,272.2	940.4	0.00				Average	
		point45	45	2,250.7	1,137.7	0.00				Average	
		point46	46	2,204.4	1,282.6	0.00				Average	
		point47	47	2,108.9	1,637.1	0.00				Average	
		point48	48	2,081.1	1,769.7	0.00				Average	
		point49	49	2,065.7	2,007.1	0.00				Average	
		point50	50	2,065.7	2,349.3	0.00				Average	
		point51	51	2,074.9	2,497.3	0.00				Average	
		point52	52	2,148.9	2,750.1	0.00				Average	
		point53	53	2,256.8	3,030.7	0.00				Average	
		point54	54	2,423.3	3,317.4	0.00				Average	
		point55	55	2,522.0	3,490.1	0.00				Average	
		point56	56	2,596.0	3,656.6	0.00				Average	
		point57	57	2,673.1	3,866.2	0.00				Average	
		point58	58	2,688.5	3,927.9	0.00				Average	
		point59	59	2,737.8	4,174.5	0.00				Average	
		point60	60	2,740.9	4,273.2	0.00				Average	
		point61	61	2,747.0	4,470.5	0.00				Average	
		point62	62	2,747.0	4,994.7	0.00				Average	
		point63	63	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	64	6.2	5,800.7	0.00				Average	
		point65	65	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	66	0.0	5,769.8	0.00				Average	
		point67	67	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	68	2,839.5	5,813.0	0.00				Average	
		point69	69	3,379.1	5,806.9	0.00				Average	
		point70	70	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	71	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	72	2,848.8	5,788.4	0.00				Average	
		point73	73	3,360.6	5,782.2	0.00				Average	
		point74	74	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	75	5,438.0	5,806.9	0.00				Average	
		point76	76	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	77	5,450.3	5,785.3	0.00				Average	
		point78	78	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	79	8,109.8	5,809.9	0.00				Average	
		point80	80	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	81	8,119.1	5,785.3	0.00				Average	
		point82	82	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	83	5,372.0	5,769.8	0.00				Average	
		point84	84	5,381.3	4,903.5	0.00				Average	
		point85	85	5,375.1	4,666.1	0.00				Average	
		point86	86	5,381.3	4,105.0	0.00				Average	
		point87	87	5,378.2	3,476.0	0.00				Average	
		point88	88	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	89	5,409.0	5,766.8	0.00				Average	
		point90	90	5,412.1	5,119.3	0.00				Average	
		point91	91	5,409.0	4,789.4	0.00				Average	
		point92	92	5,409.0	4,367.0	0.00				Average	
		point93	93	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	94	5,412.1	3,122.7	0.00				Average	
		point95	95	5,415.2	2,543.1	0.00				Average	
		point96	96	5,424.4	2,068.3	0.00				Average	
		point97	97	5,421.3	1,834.0	0.00				Average	
		point98	98	5,424.4	1,362.2	0.00				Average	
		point99	99	5,430.6	1,090.9	0.00				Average	
		point100	100	5,427.5	970.7	0.00				Average	
		point101	101	5,430.6	773.4	0.00				Average	
		point102	102	5,412.1	582.2	0.00				Average	
		point103	103	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	104	5,375.1	3,122.6	0.00				Average	
		point105	105	5,390.5	2,469.0	0.00				Average	
		point106	106	5,390.5	2,012.7	0.00				Average	
		point107	107	5,390.5	1,577.9	0.00				Average	
		point108	108	5,396.7	1,143.2	0.00				Average	
		point109	109	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	110	5,399.8	742.4	0.00				Average	
		point111	111	5,387.4	634.5	0.00				Average	
		point112	112	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	113	5,396.7	391.6	0.00				Average	
		point114	114	5,772.8	317.6	0.00				Average	
		point115	115	5,865.3	302.1	0.00				Average	
		point116	116	6,056.5	289.8	0.00				Average	
		point117	117	6,198.3	296.0	0.00				Average	
		point118	118	6,306.2	308.3	0.00				Average	
		point119	119	6,404.9	326.8	0.00				Average	
		point120	120	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	133	5,409.0	447.0	0.00				Average	
		point134	134	5,779.0	373.1	0.00				Average	
		point135	135	6,139.7	354.6	0.00				Average	
		point136	136	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	148	5,427.5	3,154.6	0.00				Average	
		point149	149	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	150	5,449.1	3,117.7	0.00				Average	
		point151	151	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	152	8,014.2	3,177.0	0.00				Average	
		point153	153	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	154	8,079.0	3,183.1	0.00				Average	
		point155	155	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	156	6,567.1	295.4	0.00				Average	
		point157	157	6,610.1	86.1	0.00					
Roadway26	12.0	point158	158	3,459.4	516.3	0.00				Average	
		point159	159	3,463.8	798.1	0.00					
Roadway27	12.0	point160	160	4,095.1	516.3	0.00				Average	
		point161	161	4,090.6	744.0	0.00					
Roadway28	12.0	point162	162	4,749.0	523.1	0.00				Average	
		point163	163	4,744.5	798.1	0.00					
Roadway29	12.0	point164	164	1,471.7	398.7	0.00				Average	
		point165	165	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	173	1,469.1	489.5	0.00				Average	
		point8	8	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	174	1,474.1	426.4	0.00				Average	
		point15	15	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	175	3,451.0	494.3	0.00				Average	
		point167	167	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	18	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	176	3,451.8	437.0	0.00				Average	
		point171	171	3,519.8	436.2	0.00				Average	
		point23	23	3,690.5	434.7	0.00				Average	
		point24	24	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	177	4,095.1	496.4	0.00				Average	
		point19	19	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	178	4,103.1	431.6	0.00				Average	
		point25	25	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	179	4,766.5	493.3	0.00				Average	
		point20	20	5,188.9	490.2	0.00				Average	
		point21	21	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	180	4,761.4	426.8	0.00				Average	
		point26	26	5,247.4	422.4	0.00				Average	
		point27	27	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	181	6,531.3	403.9	0.00				Average	
		point137	137	6,787.2	487.1	0.00				Average	
		point138	138	7,003.0	592.0	0.00				Average	
		point139	139	7,274.3	764.6	0.00				Average	
		point140	140	7,490.1	958.9	0.00				Average	
		point141	141	7,656.6	1,162.3	0.00				Average	
		point142	142	7,727.5	1,261.0	0.00				Average	
		point143	143	7,863.2	1,513.8	0.00				Average	
		point144	144	7,980.3	1,856.0	0.00				Average	
		point145	145	8,017.3	2,084.2	0.00				Average	
		point146	146	8,023.5	2,688.5	0.00				Average	
		point147	147	8,014.2	3,120.1	0.00					
East Moreno Beach Dr-2	40.0	point182	182	6,555.9	348.4	0.00				Average	
		point121	121	6,910.5	471.7	0.00				Average	
		point122	122	7,218.8	638.2	0.00				Average	
		point123	123	7,471.6	854.0	0.00				Average	
		point124	124	7,588.8	965.0	0.00				Average	
		point125	125	7,653.5	1,045.2	0.00				Average	
		point126	126	7,776.8	1,230.2	0.00				Average	
		point127	127	7,927.9	1,516.9	0.00				Average	
		point128	128	8,035.8	1,840.6	0.00				Average	
		point129	129	8,069.7	2,081.1	0.00				Average	
		point130	130	8,079.0	2,364.7	0.00				Average	
		point131	131	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	132	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	Existing											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	1215	50	25	50	13	50	0	0	0	0
	point2	2	1215	50	25	50	13	50	0	0	0	0
	point3	3	1215	50	25	50	13	50	0	0	0	0
	point4	4	1215	50	25	50	13	50	0	0	0	0
	point5	5	1215	50	25	50	13	50	0	0	0	0
	point6	6	1215	50	25	50	13	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	9	1215	50	25	50	13	50	0	0	0	0
	point10	10	1215	50	25	50	13	50	0	0	0	0
	point11	11	1215	50	25	50	13	50	0	0	0	0
	point12	12	1215	50	25	50	13	50	0	0	0	0
	point13	13	1215	50	25	50	13	50	0	0	0	0
	point14	14										
56 West Iris Ave	point16	16	944	50	19	50	10	50	0	0	0	0
	point17	17	944	50	19	50	10	50	0	0	0	0
	point166	166										
56 East Iris Ave	point22	22	944	50	19	50	10	50	0	0	0	0
	point168	168	944	50	19	50	10	50	0	0	0	0
	point169	169	944	50	19	50	10	50	0	0	0	0
	point170	170	944	50	19	50	10	50	0	0	0	0
	point172	172										
17 North Nason St	point28	28	572	35	12	35	6	35	0	0	0	0
	point29	29	572	35	12	35	6	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	30	572	35	12	35	6	35	0	0	0	0
	point31	31	572	35	12	35	6	35	0	0	0	0
	point32	32	572	35	12	35	6	35	0	0	0	0
	point33	33	572	35	12	35	6	35	0	0	0	0
	point34	34	572	35	12	35	6	35	0	0	0	0
	point35	35	572	35	12	35	6	35	0	0	0	0
	point36	36	572	35	12	35	6	35	0	0	0	0
	point37	37	572	35	12	35	6	35	0	0	0	0
	point38	38	572	35	12	35	6	35	0	0	0	0
	point39	39	572	35	12	35	6	35	0	0	0	0
	point40	40	572	35	12	35	6	35	0	0	0	0
	point41	41	572	35	12	35	6	35	0	0	0	0
	point42	42										
17 South Nason St	point43	43	572	35	12	35	6	35	0	0	0	0
	point44	44	572	35	12	35	6	35	0	0	0	0
	point45	45	572	35	12	35	6	35	0	0	0	0
	point46	46	572	35	12	35	6	35	0	0	0	0
	point47	47	572	35	12	35	6	35	0	0	0	0
	point48	48	572	35	12	35	6	35	0	0	0	0
	point49	49	572	35	12	35	6	35	0	0	0	0
	point50	50	572	35	12	35	6	35	0	0	0	0
	point51	51	572	35	12	35	6	35	0	0	0	0
	point52	52	572	35	12	35	6	35	0	0	0	0
	point53	53	572	35	12	35	6	35	0	0	0	0
	point54	54	572	35	12	35	6	35	0	0	0	0
	point55	55	572	35	12	35	6	35	0	0	0	0
	point56	56	572	35	12	35	6	35	0	0	0	0
	point57	57	572	35	12	35	6	35	0	0	0	0
	point58	58	572	35	12	35	6	35	0	0	0	0
	point59	59	572	35	12	35	6	35	0	0	0	0
	point60	60	572	35	12	35	6	35	0	0	0	0
	point61	61	572	35	12	35	6	35	0	0	0	0
	point62	62	572	35	12	35	6	35	0	0	0	0
	point63	63										
46 West Cactus Ave	point64	64	696	45	14	45	7	45	0	0	0	0
	point65	65										

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

46 East Cactus Ave	point66	66	696	45	14	45	7	45	0	0	0	0
	point67	67										
Roadway9	point68	68	0	0	0	0	0	0	0	0	0	0
	point69	69	0	0	0	0	0	0	0	0	0	0
	point70	70	0	0	0	0	0	0	0	0	0	0
	point71	71										
Roadway10	point72	72	0	0	0	0	0	0	0	0	0	0
	point73	73	0	0	0	0	0	0	0	0	0	0
	point74	74										
Roadway11	point75	75	0	0	0	0	0	0	0	0	0	0
	point76	76										
Roadway12	point77	77	0	0	0	0	0	0	0	0	0	0
	point78	78										
Roadway13	point79	79	0	0	0	0	0	0	0	0	0	0
	point80	80										
Roadway14	point81	81	0	0	0	0	0	0	0	0	0	0
	point82	82										
19 South Oliver Dr	point83	83	202	45	4	45	2	45	0	0	0	0
	point84	84	202	45	4	45	2	45	0	0	0	0
	point85	85	202	45	4	45	2	45	0	0	0	0
	point86	86	202	45	4	45	2	45	0	0	0	0
	point87	87	202	45	4	45	2	45	0	0	0	0
	point88	88										
19 North Oliver	point89	89	202	45	4	45	2	45	0	0	0	0
	point90	90	202	45	4	45	2	45	0	0	0	0
	point91	91	202	45	4	45	2	45	0	0	0	0
	point92	92	202	45	4	45	2	45	0	0	0	0
	point93	93										
20 North Oliver St	point94	94	124	45	3	45	1	45	0	0	0	0
	point95	95	124	45	3	45	1	45	0	0	0	0
	point96	96	124	45	3	45	1	45	0	0	0	0
	point97	97	124	45	3	45	1	45	0	0	0	0
	point98	98	124	45	3	45	1	45	0	0	0	0
	point99	99	124	45	3	45	1	45	0	0	0	0
	point100	100	124	45	3	45	1	45	0	0	0	0
	point101	101	124	45	3	45	1	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	102	124	45	3	45	1	45	0	0	0	0
	point103	103										
20 South Oliver	point104	104	124	45	3	45	1	45	0	0	0	0
	point105	105	124	45	3	45	1	45	0	0	0	0
	point106	106	124	45	3	45	1	45	0	0	0	0
	point107	107	124	45	3	45	1	45	0	0	0	0
	point108	108	124	45	3	45	1	45	0	0	0	0
	point109	109	124	45	3	45	1	45	0	0	0	0
	point110	110	124	45	3	45	1	45	0	0	0	0
	point111	111	124	45	3	45	1	45	0	0	0	0
	point112	112										
60 East Iris Ave	point113	113	655	50	13	50	7	50	0	0	0	0
	point114	114	655	50	13	50	7	50	0	0	0	0
	point115	115	655	50	13	50	7	50	0	0	0	0
	point116	116	655	50	13	50	7	50	0	0	0	0
	point117	117	655	50	13	50	7	50	0	0	0	0
	point118	118	655	50	13	50	7	50	0	0	0	0
	point119	119	655	50	13	50	7	50	0	0	0	0
	point120	120										
60 West Iris Ave	point133	133	655	50	13	50	7	50	0	0	0	0
	point134	134	655	50	13	50	7	50	0	0	0	0
	point135	135	655	50	13	50	7	50	0	0	0	0
	point136	136										
47 West John F Kennedy Dr	point148	148	127	35	3	35	1	35	0	0	0	0
	point149	149										
47 East John F Kennedy Dr	point150	150	127	35	3	35	1	35	0	0	0	0
	point151	151										
25 South Moreno Beach Dr	point152	152	661	55	14	55	7	55	0	0	0	0
	point153	153										
25 North Moreno Beach Dr	point154	154	661	55	14	55	7	55	0	0	0	0
	point155	155										
Roadway25	point156	156	0	0	0	0	0	0	0	0	0	0
	point157	157										
Roadway26	point158	158	0	0	0	0	0	0	0	0	0	0
	point159	159										
Roadway27	point160	160	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	161										
Roadway28	point162	162	0	0	0	0	0	0	0	0	0	0
	point163	163										
Roadway29	point164	164	0	0	0	0	0	0	0	0	0	0
	point165	165										
55 West Iris Ave	point173	173	1135	50	23	50	12	50	0	0	0	0
	point8	8										
55 East Iris Ave	point174	174	1135	50	23	50	12	50	0	0	0	0
	point15	15										
57 West Iris	point175	175	903	50	19	50	9	50	0	0	0	0
	point167	167	903	50	19	50	9	50	0	0	0	0
	point18	18										
57 East Iris Ave	point176	176	903	50	19	50	9	50	0	0	0	0
	point171	171	903	50	19	50	9	50	0	0	0	0
	point23	23	903	50	19	50	9	50	0	0	0	0
	point24	24										
58 West Iris	point177	177	780	50	16	50	8	50	0	0	0	0
	point19	19										
58 East Iris Ave	point178	178	780	50	16	50	8	50	0	0	0	0
	point25	25										
59 West Iris Ave	point179	179	751	50	15	50	8	50	0	0	0	0
	point20	20	751	50	15	50	8	50	0	0	0	0
	point21	21										
59 East Iris Ave	point180	180	751	50	15	50	8	50	0	0	0	0
	point26	26	751	50	15	50	8	0	0	0	0	0
	point27	27										
26 West Moreno Beach DR	point181	181	709	55	15	55	7	55	0	0	0	0
	point137	137	709	55	15	55	7	55	0	0	0	0
	point138	138	709	55	15	55	7	55	0	0	0	0
	point139	139	709	55	15	55	7	55	0	0	0	0
	point140	140	709	55	15	55	7	55	0	0	0	0
	point141	141	709	55	15	55	7	55	0	0	0	0
	point142	142	709	55	15	55	7	55	0	0	0	0
	point143	143	709	55	15	55	7	55	0	0	0	0
	point144	144	709	55	15	55	7	55	0	0	0	0
	point145	145	709	55	15	55	7	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point146	146	709	55	15	55	7	55	0	0	0	0
	point147	147										
East Moreno Beach Dr-2	point182	182	661	55	14	55	7	55	0	0	0	0
	point121	121	661	55	14	55	7	55	0	0	0	0
	point122	122	661	55	14	55	7	55	0	0	0	0
	point123	123	661	55	14	55	7	55	0	0	0	0
	point124	124	661	55	14	55	7	55	0	0	0	0
	point125	125	661	55	14	55	7	55	0	0	0	0
	point126	126	661	55	14	55	7	55	0	0	0	0
	point127	127	661	55	14	55	7	55	0	0	0	0
	point128	128	661	55	14	55	7	55	0	0	0	0
	point129	129	661	55	14	55	7	55	0	0	0	0
	point130	130	661	55	14	55	7	55	0	0	0	0
	point131	131	661	55	14	55	7	55	0	0	0	0
	point132	132										

INPUT: RECEIVERS
Kaiser Moreno Valley

Dudek						20 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		Existing									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,458.1	1,835.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,447.6	1,099.9	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y
M1	8	1	4,643.7	1,082.2	0.00	4.92	0.00	66	10.0	8.0	Y
M2	9	1	3,978.9	677.8	0.00	4.92	0.00	66	10.0	8.0	Y
M3	10	1	4,245.6	682.1	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS

Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h									
				Calculated	Crit'n	Calculated	Crit'n	Impact	Calculated	Noise Reduction			
							Sub'l Inc		LAeq1h	Calculated	Goal	Calculated	
												minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	49.6	66	49.6	10	----	49.6	0.0	8	-8.0	
ST5	2	1	0.0	62.7	66	62.7	10	----	62.7	0.0	8	-8.0	
ST2	3	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0	
ST6	4	1	0.0	52.4	66	52.4	10	----	52.4	0.0	8	-8.0	
ST3	5	1	0.0	68.0	66	68.0	10	Snd Lvl	68.0	0.0	8	-8.0	
ST1	6	1	0.0	69.8	66	69.8	10	Snd Lvl	69.8	0.0	8	-8.0	
M1	8	1	0.0	53.8	66	53.8	10	----	53.8	0.0	8	-8.0	
M2	9	1	0.0	64.4	66	64.4	10	----	64.4	0.0	8	-8.0	
M3	10	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		9	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek CB					20 March 2019 TNM 2.5						
INPUT: ROADWAYS				Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA							
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		Existing + Project									
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control				Segment
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average	
		point2	2	388.5	175.7	0.00				Average	
		point3	3	576.5	274.4	0.00				Average	
		point4	4	647.4	314.5	0.00				Average	
		point5	5	943.4	425.5	0.00				Average	
		point6	6	1,214.7	474.8	0.00				Average	
		point7	7	1,469.1	489.5	0.00					
54 East Iris Ave	45.0	point9	9	314.5	55.5	0.00				Average	
		point10	10	570.4	203.5	0.00				Average	
		point11	11	776.9	296.0	0.00				Average	
		point12	12	915.7	351.5	0.00				Average	
		point13	13	1,230.2	419.3	0.00				Average	
		point14	14	1,474.1	426.4	0.00					
56 West Iris Ave	45.0	point16	16	2,330.8	505.6	0.00				Average	
		point17	17	3,172.5	493.3	0.00				Average	
		point166	166	3,451.0	494.3	0.00					
56 East Iris Ave	45.0	point22	22	2,324.7	447.0	0.00				Average	
		point168	168	2,666.1	443.9	0.00				Average	
		point169	169	3,007.6	440.9	0.00				Average	
		point170	170	3,349.1	437.8	0.00				Average	
		point172	172	3,451.8	437.0	0.00					
17 North Nason St	30.0	point28	28	2,324.7	564.2	0.00				Average	
		point29	29	2,309.3	1,014.3	0.00				Average	
		point30	30	2,204.4	1,415.2	0.00				Average	
		point31	31	2,111.9	1,834.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	32	2,096.5	2,068.8	0.00				Average	
		point33	33	2,102.7	2,395.6	0.00				Average	
		point34	34	2,155.1	2,642.2	0.00				Average	
		point35	35	2,241.4	2,904.3	0.00				Average	
		point36	36	2,346.3	3,120.1	0.00				Average	
		point37	37	2,552.8	3,483.9	0.00				Average	
		point38	38	2,670.0	3,721.3	0.00				Average	
		point39	39	2,762.5	4,103.6	0.00				Average	
		point40	40	2,796.4	4,356.4	0.00				Average	
		point41	41	2,790.2	4,544.5	0.00				Average	
		point42	42	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	43	2,278.4	564.2	0.00				Average	
		point44	44	2,272.2	940.4	0.00				Average	
		point45	45	2,250.7	1,137.7	0.00				Average	
		point46	46	2,204.4	1,282.6	0.00				Average	
		point47	47	2,108.9	1,637.1	0.00				Average	
		point48	48	2,081.1	1,769.7	0.00				Average	
		point49	49	2,065.7	2,007.1	0.00				Average	
		point50	50	2,065.7	2,349.3	0.00				Average	
		point51	51	2,074.9	2,497.3	0.00				Average	
		point52	52	2,148.9	2,750.1	0.00				Average	
		point53	53	2,256.8	3,030.7	0.00				Average	
		point54	54	2,423.3	3,317.4	0.00				Average	
		point55	55	2,522.0	3,490.1	0.00				Average	
		point56	56	2,596.0	3,656.6	0.00				Average	
		point57	57	2,673.1	3,866.2	0.00				Average	
		point58	58	2,688.5	3,927.9	0.00				Average	
		point59	59	2,737.8	4,174.5	0.00				Average	
		point60	60	2,740.9	4,273.2	0.00				Average	
		point61	61	2,747.0	4,470.5	0.00				Average	
		point62	62	2,747.0	4,994.7	0.00				Average	
		point63	63	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	64	6.2	5,800.7	0.00				Average	
		point65	65	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	66	0.0	5,769.8	0.00				Average	
		point67	67	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	68	2,839.5	5,813.0	0.00				Average	
		point69	69	3,379.1	5,806.9	0.00				Average	
		point70	70	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	71	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	72	2,848.8	5,788.4	0.00				Average	
		point73	73	3,360.6	5,782.2	0.00				Average	
		point74	74	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	75	5,438.0	5,806.9	0.00				Average	
		point76	76	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	77	5,450.3	5,785.3	0.00				Average	
		point78	78	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	79	8,109.8	5,809.9	0.00				Average	
		point80	80	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	81	8,119.1	5,785.3	0.00				Average	
		point82	82	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	83	5,372.0	5,769.8	0.00				Average	
		point84	84	5,381.3	4,903.5	0.00				Average	
		point85	85	5,375.1	4,666.1	0.00				Average	
		point86	86	5,381.3	4,105.0	0.00				Average	
		point87	87	5,378.2	3,476.0	0.00				Average	
		point88	88	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	89	5,409.0	5,766.8	0.00				Average	
		point90	90	5,412.1	5,119.3	0.00				Average	
		point91	91	5,409.0	4,789.4	0.00				Average	
		point92	92	5,409.0	4,367.0	0.00				Average	
		point93	93	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	94	5,412.1	3,122.7	0.00				Average	
		point95	95	5,415.2	2,543.1	0.00				Average	
		point96	96	5,424.4	2,068.3	0.00				Average	
		point97	97	5,421.3	1,834.0	0.00				Average	
		point98	98	5,424.4	1,362.2	0.00				Average	
		point99	99	5,430.6	1,090.9	0.00				Average	
		point100	100	5,427.5	970.7	0.00				Average	
		point101	101	5,430.6	773.4	0.00				Average	
		point102	102	5,412.1	582.2	0.00				Average	
		point103	103	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	104	5,375.1	3,122.6	0.00				Average	
		point105	105	5,390.5	2,469.0	0.00				Average	
		point106	106	5,390.5	2,012.7	0.00				Average	
		point107	107	5,390.5	1,577.9	0.00				Average	
		point108	108	5,396.7	1,143.2	0.00				Average	
		point109	109	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	110	5,399.8	742.4	0.00				Average	
		point111	111	5,387.4	634.5	0.00				Average	
		point112	112	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	113	5,396.7	391.6	0.00				Average	
		point114	114	5,772.8	317.6	0.00				Average	
		point115	115	5,865.3	302.1	0.00				Average	
		point116	116	6,056.5	289.8	0.00				Average	
		point117	117	6,198.3	296.0	0.00				Average	
		point118	118	6,306.2	308.3	0.00				Average	
		point119	119	6,404.9	326.8	0.00				Average	
		point120	120	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	133	5,409.0	447.0	0.00				Average	
		point134	134	5,779.0	373.1	0.00				Average	
		point135	135	6,139.7	354.6	0.00				Average	
		point136	136	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	148	5,427.5	3,154.6	0.00				Average	
		point149	149	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	150	5,449.1	3,117.7	0.00				Average	
		point151	151	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	152	8,014.2	3,177.0	0.00				Average	
		point153	153	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	154	8,079.0	3,183.1	0.00				Average	
		point155	155	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	156	6,567.1	295.4	0.00				Average	
		point157	157	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	158	3,459.4	516.3	0.00				Average	
		point159	159	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	160	4,095.1	516.3	0.00				Average	
		point161	161	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	162	4,749.0	523.1	0.00				Average	
		point163	163	4,744.5	798.1	0.00					
Roadway29	12.0	point164	164	1,471.7	398.7	0.00				Average	
		point165	165	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	173	1,469.1	489.5	0.00				Average	
		point8	8	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	174	1,474.1	426.4	0.00				Average	
		point15	15	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	175	3,451.0	494.3	0.00				Average	
		point167	167	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	18	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	176	3,451.8	437.0	0.00				Average	
		point171	171	3,519.8	436.2	0.00				Average	
		point23	23	3,690.5	434.7	0.00				Average	
		point24	24	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	177	4,095.1	496.4	0.00				Average	
		point19	19	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	178	4,103.1	431.6	0.00				Average	
		point25	25	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	179	4,766.5	493.3	0.00				Average	
		point20	20	5,188.9	490.2	0.00				Average	
		point21	21	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	180	4,761.4	426.8	0.00				Average	
		point26	26	5,247.4	422.4	0.00				Average	
		point27	27	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	181	6,531.3	403.9	0.00				Average	
		point137	137	6,787.2	487.1	0.00				Average	
		point138	138	7,003.0	592.0	0.00				Average	
		point139	139	7,274.3	764.6	0.00				Average	
		point140	140	7,490.1	958.9	0.00				Average	
		point141	141	7,656.6	1,162.3	0.00				Average	
		point142	142	7,727.5	1,261.0	0.00				Average	
		point143	143	7,863.2	1,513.8	0.00				Average	
		point144	144	7,980.3	1,856.0	0.00				Average	
		point145	145	8,017.3	2,084.2	0.00				Average	
		point146	146	8,023.5	2,688.5	0.00				Average	
		point147	147	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	182	6,555.9	348.4	0.00				Average	
		point121	121	6,910.5	471.7	0.00				Average	
		point122	122	7,218.8	638.2	0.00				Average	
		point123	123	7,471.6	854.0	0.00				Average	
		point124	124	7,588.8	965.0	0.00				Average	
		point125	125	7,653.5	1,045.2	0.00				Average	
		point126	126	7,776.8	1,230.2	0.00				Average	
		point127	127	7,927.9	1,516.9	0.00				Average	
		point128	128	8,035.8	1,840.6	0.00				Average	
		point129	129	8,069.7	2,081.1	0.00				Average	
		point130	130	8,079.0	2,364.7	0.00				Average	
		point131	131	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	132	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	Existing + Project											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	1384	50	29	50	14	50	0	0	0	0
	point2	2	1384	50	29	50	14	50	0	0	0	0
	point3	3	1384	50	29	50	14	50	0	0	0	0
	point4	4	1384	50	29	50	14	50	0	0	0	0
	point5	5	1384	50	29	50	14	50	0	0	0	0
	point6	6	1384	50	29	50	14	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	9	1384	50	29	50	14	50	0	0	0	0
	point10	10	1384	50	29	50	14	50	0	0	0	0
	point11	11	1384	50	29	50	14	50	0	0	0	0
	point12	12	1384	50	29	50	14	50	0	0	0	0
	point13	13	1384	50	29	50	14	50	0	0	0	0
	point14	14										
56 West Iris Ave	point16	16	1389	50	29	50	14	50	0	0	0	0
	point17	17	1389	50	29	50	14	50	0	0	0	0
	point166	166										
56 East Iris Ave	point22	22	1389	50	29	50	14	50	0	0	0	0
	point168	168	1389	50	29	50	14	50	0	0	0	0
	point169	169	1389	50	29	50	14	50	0	0	0	0
	point170	170	1389	50	29	50	14	50	0	0	0	0
	point172	172										
17 North Nason St	point28	28	841	35	17	35	9	35	0	0	0	0
	point29	29	841	35	17	35	9	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	30	841	35	17	35	9	35	0	0	0	0
	point31	31	841	35	17	35	9	35	0	0	0	0
	point32	32	841	35	17	35	9	35	0	0	0	0
	point33	33	841	35	17	35	9	35	0	0	0	0
	point34	34	841	35	17	35	9	35	0	0	0	0
	point35	35	841	35	17	35	9	35	0	0	0	0
	point36	36	841	35	17	35	9	35	0	0	0	0
	point37	37	841	35	17	35	9	35	0	0	0	0
	point38	38	841	35	17	35	9	35	0	0	0	0
	point39	39	841	35	17	35	9	35	0	0	0	0
	point40	40	841	35	17	35	9	35	0	0	0	0
	point41	41	841	35	17	35	9	35	0	0	0	0
	point42	42										
17 South Nason St	point43	43	841	35	17	35	9	35	0	0	0	0
	point44	44	841	35	17	35	9	35	0	0	0	0
	point45	45	841	35	17	35	9	35	0	0	0	0
	point46	46	841	35	17	35	9	35	0	0	0	0
	point47	47	841	35	17	35	9	35	0	0	0	0
	point48	48	841	35	17	35	9	35	0	0	0	0
	point49	49	841	35	17	35	9	35	0	0	0	0
	point50	50	841	35	17	35	9	35	0	0	0	0
	point51	51	841	35	17	35	9	35	0	0	0	0
	point52	52	841	35	17	35	9	35	0	0	0	0
	point53	53	841	35	17	35	9	35	0	0	0	0
	point54	54	841	35	17	35	9	35	0	0	0	0
	point55	55	841	35	17	35	9	35	0	0	0	0
	point56	56	841	35	17	35	9	35	0	0	0	0
	point57	57	841	35	17	35	9	35	0	0	0	0
	point58	58	841	35	17	35	9	35	0	0	0	0
	point59	59	841	35	17	35	9	35	0	0	0	0
	point60	60	841	35	17	35	9	35	0	0	0	0
	point61	61	841	35	17	35	9	35	0	0	0	0
	point62	62	841	35	17	35	9	35	0	0	0	0
	point63	63										
46 West Cactus Ave	point64	64	809	45	17	45	8	45	0	0	0	0
	point65	65										

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

46 East Cactus Ave	point66	66	809	45	17	45	8	45	0	0	0	0
	point67	67										
Roadway9	point68	68	0	0	0	0	0	0	0	0	0	0
	point69	69	0	0	0	0	0	0	0	0	0	0
	point70	70	0	0	0	0	0	0	0	0	0	0
	point71	71										
Roadway10	point72	72	0	0	0	0	0	0	0	0	0	0
	point73	73	0	0	0	0	0	0	0	0	0	0
	point74	74										
Roadway11	point75	75	0	0	0	0	0	0	0	0	0	0
	point76	76										
Roadway12	point77	77	0	0	0	0	0	0	0	0	0	0
	point78	78										
Roadway13	point79	79	0	0	0	0	0	0	0	0	0	0
	point80	80										
Roadway14	point81	81	0	0	0	0	0	0	0	0	0	0
	point82	82										
19 South Oliver Dr	point83	83	228	45	5	45	2	45	0	0	0	0
	point84	84	228	45	5	45	2	45	0	0	0	0
	point85	85	228	45	5	45	2	45	0	0	0	0
	point86	86	228	45	5	45	2	45	0	0	0	0
	point87	87	228	45	5	45	2	45	0	0	0	0
	point88	88										
19 North Oliver	point89	89	228	45	5	45	2	45	0	0	0	0
	point90	90	228	45	5	45	2	45	0	0	0	0
	point91	91	228	45	5	45	2	45	0	0	0	0
	point92	92	228	45	5	45	2	45	0	0	0	0
	point93	93										
20 North Oliver St	point94	94	155	45	3	45	2	45	0	0	0	0
	point95	95	155	45	3	45	2	45	0	0	0	0
	point96	96	155	45	3	45	2	45	0	0	0	0
	point97	97	155	45	3	45	2	45	0	0	0	0
	point98	98	155	45	3	45	2	45	0	0	0	0
	point99	99	155	45	3	45	2	45	0	0	0	0
	point100	100	155	45	3	45	2	45	0	0	0	0
	point101	101	155	45	3	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	102	155	45	3	45	2	45	0	0	0	0
	point103	103										
20 South Oliver	point104	104	155	45	3	45	2	45	0	0	0	0
	point105	105	155	45	3	45	2	45	0	0	0	0
	point106	106	155	45	3	45	2	45	0	0	0	0
	point107	107	155	45	3	45	2	45	0	0	0	0
	point108	108	155	45	3	45	2	45	0	0	0	0
	point109	109	155	45	3	45	2	45	0	0	0	0
	point110	110	155	45	3	45	2	45	0	0	0	0
	point111	111	155	45	3	45	2	45	0	0	0	0
	point112	112										
60 East Iris Ave	point113	113	792	50	16	50	8	50	0	0	0	0
	point114	114	792	50	16	50	8	50	0	0	0	0
	point115	115	792	50	16	50	8	50	0	0	0	0
	point116	116	792	50	16	50	8	50	0	0	0	0
	point117	117	792	50	16	50	8	50	0	0	0	0
	point118	118	792	50	16	50	8	50	0	0	0	0
	point119	119	792	50	16	50	8	50	0	0	0	0
	point120	120										
60 West Iris Ave	point133	133	792	50	16	50	8	50	0	0	0	0
	point134	134	792	50	16	50	8	50	0	0	0	0
	point135	135	792	50	16	50	8	50	0	0	0	0
	point136	136										
47 West John F Kennedy Dr	point148	148	134	35	3	35	1	35	0	0	0	0
	point149	149										
47 East John F Kennedy Dr	point150	150	134	35	3	35	1	35	0	0	0	0
	point151	151										
25 South Moreno Beach Dr	point152	152	780	55	16	55	8	55	0	0	0	0
	point153	153										
25 North Moreno Beach Dr	point154	154	780	55	16	55	8	55	0	0	0	0
	point155	155										
Roadway25	point156	156	0	0	0	0	0	0	0	0	0	0
	point157	157										
Driveway 1	point158	158	0	0	0	0	0	0	0	0	0	0
	point159	159										
Driveway 2	point160	160	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	161										
Driveway 3	point162	162	0	0	0	0	0	0	0	0	0	0
	point163	163										
Roadway29	point164	164	0	0	0	0	0	0	0	0	0	0
	point165	165										
55 West Iris Ave	point173	173	1304	50	27	50	13	50	0	0	0	0
	point8	8										
55 East Iris Ave	point174	174	1304	50	27	50	13	50	0	0	0	0
	point15	15										
57 West Iris	point175	175	1232	50	25	50	13	50	0	0	0	0
	point167	167	1232	50	25	50	13	50	0	0	0	0
	point18	18										
57 East Iris Ave	point176	176	1232	50	25	50	13	50	0	0	0	0
	point171	171	1232	50	25	50	13	50	0	0	0	0
	point23	23	1232	50	25	50	13	50	0	0	0	0
	point24	24										
58 West Iris	point177	177	965	50	20	50	10	50	0	0	0	0
	point19	19										
58 East Iris Ave	point178	178	965	50	20	50	10	50	0	0	0	0
	point25	25										
59 West Iris Ave	point179	179	933	50	19	50	10	50	0	0	0	0
	point20	20	933	50	19	50	10	50	0	0	0	0
	point21	21										
59 East Iris Ave	point180	180	933	50	19	50	10	50	0	0	0	0
	point26	26	933	50	19	50	10	50	0	0	0	0
	point27	27										
26 West Moreno Beach DR	point181	181	847	55	17	55	9	55	0	0	0	0
	point137	137	847	55	17	55	9	55	0	0	0	0
	point138	138	847	55	17	55	9	55	0	0	0	0
	point139	139	847	55	17	55	9	55	0	0	0	0
	point140	140	847	55	17	55	9	55	0	0	0	0
	point141	141	847	55	17	55	9	55	0	0	0	0
	point142	142	847	55	17	55	9	55	0	0	0	0
	point143	143	847	55	17	55	9	55	0	0	0	0
	point144	144	847	55	17	55	9	55	0	0	0	0
	point145	145	847	55	17	55	9	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point146	146	847	55	17	55	9	55	0	0	0	0
	point147	147										
26 East Moreno Beach Dr	point182	182	847	55	17	55	9	55	0	0	0	0
	point121	121	847	55	17	55	9	55	0	0	0	0
	point122	122	847	55	17	55	9	55	0	0	0	0
	point123	123	847	55	17	55	9	55	0	0	0	0
	point124	124	847	55	17	55	9	55	0	0	0	0
	point125	125	847	55	17	55	9	55	0	0	0	0
	point126	126	847	55	17	55	9	55	0	0	0	0
	point127	127	847	55	17	55	9	55	0	0	0	0
	point128	128	847	55	17	55	9	55	0	0	0	0
	point129	129	847	55	17	55	9	55	0	0	0	0
	point130	130	847	55	17	55	9	55	0	0	0	0
	point131	131	847	55	17	55	9	55	0	0	0	0
	point132	132										

INPUT: RECEIVERS
Kaiser Moreno Valley

Dudek						20 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		Existing + Project									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,457.9	1,836.1	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,449.4	1,102.0	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y
M1	8	1	4,643.7	1,082.2	0.00	4.92	0.00	66	10.0	8.0	Y
M2	9	1	3,978.9	677.8	0.00	4.92	0.00	66	10.0	8.0	Y
M3	10	1	4,245.6	682.1	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	49.3	66	49.3	10	----	49.3	0.0	8	-8.0	
ST5	2	1	0.0	62.1	66	62.1	10	----	62.1	0.0	8	-8.0	
ST2	3	1	0.0	65.3	66	65.3	10	----	65.3	0.0	8	-8.0	
ST6	4	1	0.0	52.1	66	52.1	10	----	52.1	0.0	8	-8.0	
ST3	5	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0	
ST1	6	1	0.0	69.1	66	69.1	10	Snd Lvl	69.1	0.0	8	-8.0	
M1	8	1	0.0	53.6	66	53.6	10	----	53.6	0.0	8	-8.0	
M2	9	1	0.0	64.0	66	64.0	10	----	64.0	0.0	8	-8.0	
M3	10	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		9	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek											
CB											
INPUT: ROADWAYS								Average pavement type shall be used unless			
PROJECT/CONTRACT:				Kaiser Moreno Valley				a State highway agency substantiates the use			
RUN:				Phase I no Project				of a different type with the approval of FHWA			
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average	
		point2	2	388.5	175.7	0.00				Average	
		point3	3	576.5	274.4	0.00				Average	
		point4	4	647.4	314.5	0.00				Average	
		point5	5	943.4	425.5	0.00				Average	
		point6	6	1,214.7	474.8	0.00				Average	
		point7	7	1,469.1	489.5	0.00					
54 East Iris Ave	45.0	point9	8	314.5	55.5	0.00				Average	
		point10	9	570.4	203.5	0.00				Average	
		point11	10	776.9	296.0	0.00				Average	
		point12	11	915.7	351.5	0.00				Average	
		point13	12	1,230.2	419.3	0.00				Average	
		point14	13	1,474.1	426.4	0.00					
56 West Iris Ave	45.0	point16	14	2,330.8	505.6	0.00				Average	
		point17	15	3,172.5	493.3	0.00				Average	
		point166	16	3,451.0	494.3	0.00					
56 East Iris Ave	45.0	point22	17	2,324.7	447.0	0.00				Average	
		point168	18	2,666.1	443.9	0.00				Average	
		point169	19	3,007.6	440.9	0.00				Average	
		point170	20	3,349.1	437.8	0.00				Average	
		point172	21	3,451.8	437.0	0.00					
17 North Nason St	30.0	point28	22	2,324.7	564.2	0.00				Average	
		point29	23	2,309.3	1,014.3	0.00				Average	
		point30	24	2,204.4	1,415.2	0.00				Average	
		point31	25	2,111.9	1,834.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	26	2,096.5	2,068.8	0.00				Average	
		point33	27	2,102.7	2,395.6	0.00				Average	
		point34	28	2,155.1	2,642.2	0.00				Average	
		point35	29	2,241.4	2,904.3	0.00				Average	
		point36	30	2,346.3	3,120.1	0.00				Average	
		point37	31	2,552.8	3,483.9	0.00				Average	
		point38	32	2,670.0	3,721.3	0.00				Average	
		point39	33	2,762.5	4,103.6	0.00				Average	
		point40	34	2,796.4	4,356.4	0.00				Average	
		point41	35	2,790.2	4,544.5	0.00				Average	
		point42	36	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	37	2,278.4	564.2	0.00				Average	
		point44	38	2,272.2	940.4	0.00				Average	
		point45	39	2,250.7	1,137.7	0.00				Average	
		point46	40	2,204.4	1,282.6	0.00				Average	
		point47	41	2,108.9	1,637.1	0.00				Average	
		point48	42	2,081.1	1,769.7	0.00				Average	
		point49	43	2,065.7	2,007.1	0.00				Average	
		point50	44	2,065.7	2,349.3	0.00				Average	
		point51	45	2,074.9	2,497.3	0.00				Average	
		point52	46	2,148.9	2,750.1	0.00				Average	
		point53	47	2,256.8	3,030.7	0.00				Average	
		point54	48	2,423.3	3,317.4	0.00				Average	
		point55	49	2,522.0	3,490.1	0.00				Average	
		point56	50	2,596.0	3,656.6	0.00				Average	
		point57	51	2,673.1	3,866.2	0.00				Average	
		point58	52	2,688.5	3,927.9	0.00				Average	
		point59	53	2,737.8	4,174.5	0.00				Average	
		point60	54	2,740.9	4,273.2	0.00				Average	
		point61	55	2,747.0	4,470.5	0.00				Average	
		point62	56	2,747.0	4,994.7	0.00				Average	
		point63	57	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	58	6.2	5,800.7	0.00				Average	
		point65	59	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	60	0.0	5,769.8	0.00				Average	
		point67	61	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	62	2,839.5	5,813.0	0.00				Average	
		point69	63	3,379.1	5,806.9	0.00				Average	
		point70	64	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	65	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	66	2,848.8	5,788.4	0.00				Average	
		point73	67	3,360.6	5,782.2	0.00				Average	
		point74	68	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	69	5,438.0	5,806.9	0.00				Average	
		point76	70	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	71	5,450.3	5,785.3	0.00				Average	
		point78	72	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	73	8,109.8	5,809.9	0.00				Average	
		point80	74	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	75	8,119.1	5,785.3	0.00				Average	
		point82	76	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	77	5,372.0	5,769.8	0.00				Average	
		point84	78	5,381.3	4,903.5	0.00				Average	
		point85	79	5,375.1	4,666.1	0.00				Average	
		point86	80	5,381.3	4,105.0	0.00				Average	
		point87	81	5,378.2	3,476.0	0.00				Average	
		point88	82	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	83	5,409.0	5,766.8	0.00				Average	
		point90	84	5,412.1	5,119.3	0.00				Average	
		point91	85	5,409.0	4,789.4	0.00				Average	
		point92	86	5,409.0	4,367.0	0.00				Average	
		point93	87	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	88	5,412.1	3,122.7	0.00				Average	
		point95	89	5,415.2	2,543.1	0.00				Average	
		point96	90	5,424.4	2,068.3	0.00				Average	
		point97	91	5,421.3	1,834.0	0.00				Average	
		point98	92	5,424.4	1,362.2	0.00				Average	
		point99	93	5,430.6	1,090.9	0.00				Average	
		point100	94	5,427.5	970.7	0.00				Average	
		point101	95	5,430.6	773.4	0.00				Average	
		point102	96	5,412.1	582.2	0.00				Average	
		point103	97	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	98	5,375.1	3,122.6	0.00				Average	
		point105	99	5,390.5	2,469.0	0.00				Average	
		point106	100	5,390.5	2,012.7	0.00				Average	
		point107	101	5,390.5	1,577.9	0.00				Average	
		point108	102	5,396.7	1,143.2	0.00				Average	
		point109	103	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	104	5,399.8	742.4	0.00				Average	
		point111	105	5,387.4	634.5	0.00				Average	
		point112	106	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	107	5,396.7	391.6	0.00				Average	
		point114	108	5,772.8	317.6	0.00				Average	
		point115	109	5,865.3	302.1	0.00				Average	
		point116	110	6,056.5	289.8	0.00				Average	
		point117	111	6,198.3	296.0	0.00				Average	
		point118	112	6,306.2	308.3	0.00				Average	
		point119	113	6,404.9	326.8	0.00				Average	
		point120	114	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	115	5,409.0	447.0	0.00				Average	
		point134	116	5,779.0	373.1	0.00				Average	
		point135	117	6,139.7	354.6	0.00				Average	
		point136	118	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	119	5,427.5	3,154.6	0.00				Average	
		point149	120	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	121	5,449.1	3,117.7	0.00				Average	
		point151	122	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	123	8,014.2	3,177.0	0.00				Average	
		point153	124	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	125	8,079.0	3,183.1	0.00				Average	
		point155	126	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	127	6,567.1	295.4	0.00				Average	
		point157	128	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	129	3,459.4	516.3	0.00				Average	
		point159	130	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	131	4,095.1	516.3	0.00				Average	
		point161	132	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	133	4,749.0	523.1	0.00				Average	
		point163	134	4,744.5	798.1	0.00					
Roadway29	12.0	point164	135	1,471.7	398.7	0.00				Average	
		point165	136	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	137	1,469.1	489.5	0.00				Average	
		point8	138	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	139	1,474.1	426.4	0.00				Average	
		point15	140	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	141	3,451.0	494.3	0.00				Average	
		point167	142	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	143	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	144	3,451.8	437.0	0.00				Average	
		point171	145	3,519.8	436.2	0.00				Average	
		point23	146	3,690.5	434.7	0.00				Average	
		point24	147	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	148	4,095.1	496.4	0.00				Average	
		point19	149	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	150	4,103.1	431.6	0.00				Average	
		point25	151	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	152	4,766.5	493.3	0.00				Average	
		point20	153	5,188.9	490.2	0.00				Average	
		point21	154	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	155	4,761.4	426.8	0.00				Average	
		point26	156	5,247.4	422.4	0.00				Average	
		point27	157	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	158	6,531.3	403.9	0.00				Average	
		point137	159	6,787.2	487.1	0.00				Average	
		point138	160	7,003.0	592.0	0.00				Average	
		point139	161	7,274.3	764.6	0.00				Average	
		point140	162	7,490.1	958.9	0.00				Average	
		point141	163	7,656.6	1,162.3	0.00				Average	
		point142	164	7,727.5	1,261.0	0.00				Average	
		point143	165	7,863.2	1,513.8	0.00				Average	
		point144	166	7,980.3	1,856.0	0.00				Average	
		point145	167	8,017.3	2,084.2	0.00				Average	
		point146	168	8,023.5	2,688.5	0.00				Average	
		point147	169	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	170	6,555.9	348.4	0.00				Average	
		point121	171	6,910.5	471.7	0.00				Average	
		point122	172	7,218.8	638.2	0.00				Average	
		point123	173	7,471.6	854.0	0.00				Average	
		point124	174	7,588.8	965.0	0.00				Average	
		point125	175	7,653.5	1,045.2	0.00				Average	
		point126	176	7,776.8	1,230.2	0.00				Average	
		point127	177	7,927.9	1,516.9	0.00				Average	
		point128	178	8,035.8	1,840.6	0.00				Average	
		point129	179	8,069.7	2,081.1	0.00				Average	
		point130	180	8,079.0	2,364.7	0.00				Average	
		point131	181	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	182	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	Phase I no Project											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	1495	50	31	50	15	50	0	0	0	0
	point2	2	1495	50	31	50	15	50	0	0	0	0
	point3	3	1495	50	31	50	15	50	0	0	0	0
	point4	4	1495	50	31	50	15	50	0	0	0	0
	point5	5	1495	50	31	50	15	50	0	0	0	0
	point6	6	1495	50	31	50	15	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	8	1495	50	31	50	15	50	0	0	0	0
	point10	9	1495	50	31	50	15	50	0	0	0	0
	point11	10	1495	50	31	50	15	50	0	0	0	0
	point12	11	1495	50	31	50	15	50	0	0	0	0
	point13	12	1495	50	31	50	15	50	0	0	0	0
	point14	13										
56 West Iris Ave	point16	14	1132	50	23	50	12	50	0	0	0	0
	point17	15	1132	50	23	50	12	50	0	0	0	0
	point166	16										
56 East Iris Ave	point22	17	1132	50	23	50	12	50	0	0	0	0
	point168	18	1132	50	23	50	12	50	0	0	0	0
	point169	19	1132	50	23	50	12	50	0	0	0	0
	point170	20	1132	50	23	50	12	50	0	0	0	0
	point172	21										
17 North Nason St	point28	22	700	35	14	35	7	35	0	0	0	0
	point29	23	700	35	14	35	7	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	24	700	35	14	35	7	35	0	0	0	0
	point31	25	700	35	14	35	7	35	0	0	0	0
	point32	26	700	35	14	35	7	35	0	0	0	0
	point33	27	700	35	14	35	7	35	0	0	0	0
	point34	28	700	35	14	35	7	35	0	0	0	0
	point35	29	700	35	14	35	7	35	0	0	0	0
	point36	30	700	35	14	35	7	35	0	0	0	0
	point37	31	700	35	14	35	7	35	0	0	0	0
	point38	32	700	35	14	35	7	35	0	0	0	0
	point39	33	700	35	14	35	7	35	0	0	0	0
	point40	34	700	35	14	35	7	35	0	0	0	0
	point41	35	700	35	14	35	7	35	0	0	0	0
	point42	36										
17 South Nason St	point43	37	700	35	14	35	7	35	0	0	0	0
	point44	38	700	35	14	35	7	35	0	0	0	0
	point45	39	700	35	14	35	7	35	0	0	0	0
	point46	40	700	35	14	35	7	35	0	0	0	0
	point47	41	700	35	14	35	7	35	0	0	0	0
	point48	42	700	35	14	35	7	35	0	0	0	0
	point49	43	700	35	14	35	7	35	0	0	0	0
	point50	44	700	35	14	35	7	35	0	0	0	0
	point51	45	700	35	14	35	7	35	0	0	0	0
	point52	46	700	35	14	35	7	35	0	0	0	0
	point53	47	700	35	14	35	7	35	0	0	0	0
	point54	48	700	35	14	35	7	35	0	0	0	0
	point55	49	700	35	14	35	7	35	0	0	0	0
	point56	50	700	35	14	35	7	35	0	0	0	0
	point57	51	700	35	14	35	7	35	0	0	0	0
	point58	52	700	35	14	35	7	35	0	0	0	0
	point59	53	700	35	14	35	7	35	0	0	0	0
	point60	54	700	35	14	35	7	35	0	0	0	0
	point61	55	700	35	14	35	7	35	0	0	0	0
	point62	56	700	35	14	35	7	35	0	0	0	0
	point63	57										
46 West Cactus Ave	point64	58	800	45	16	45	8	45	0	0	0	0
	point65	59										

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

46 East Cactus Ave	point66	60	800	45	16	45	8	45	0	0	0	0
	point67	61										
Roadway9	point68	62	0	0	0	0	0	0	0	0	0	0
	point69	63	0	0	0	0	0	0	0	0	0	0
	point70	64	0	0	0	0	0	0	0	0	0	0
	point71	65										
Roadway10	point72	66	0	0	0	0	0	0	0	0	0	0
	point73	67	0	0	0	0	0	0	0	0	0	0
	point74	68										
Roadway11	point75	69	0	0	0	0	0	0	0	0	0	0
	point76	70										
Roadway12	point77	71	0	0	0	0	0	0	0	0	0	0
	point78	72										
Roadway13	point79	73	0	0	0	0	0	0	0	0	0	0
	point80	74										
Roadway14	point81	75	0	0	0	0	0	0	0	0	0	0
	point82	76										
19 South Oliver Dr	point83	77	224	45	5	45	2	45	0	0	0	0
	point84	78	224	45	5	45	2	45	0	0	0	0
	point85	79	224	45	5	45	2	45	0	0	0	0
	point86	80	224	45	5	45	2	45	0	0	0	0
	point87	81	224	45	5	45	2	45	0	0	0	0
	point88	82										
19 North Oliver	point89	83	224	45	5	45	2	45	0	0	0	0
	point90	84	224	45	5	45	2	45	0	0	0	0
	point91	85	224	45	5	45	2	45	0	0	0	0
	point92	86	224	45	5	45	2	45	0	0	0	0
	point93	87										
20 North Oliver St	point94	88	138	45	3	45	1	45	0	0	0	0
	point95	89	138	45	3	45	1	45	0	0	0	0
	point96	90	138	45	3	45	1	45	0	0	0	0
	point97	91	138	45	3	45	1	45	0	0	0	0
	point98	92	138	45	3	45	1	45	0	0	0	0
	point99	93	138	45	3	45	1	45	0	0	0	0
	point100	94	138	45	3	45	1	45	0	0	0	0
	point101	95	138	45	3	45	1	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	96	138	45	3	45	1	45	0	0	0	0
	point103	97										
20 South Oliver	point104	98	138	45	3	45	1	45	0	0	0	0
	point105	99	138	45	3	45	1	45	0	0	0	0
	point106	100	138	45	3	45	1	45	0	0	0	0
	point107	101	138	45	3	45	1	45	0	0	0	0
	point108	102	138	45	3	45	1	45	0	0	0	0
	point109	103	138	45	3	45	1	45	0	0	0	0
	point110	104	138	45	3	45	1	45	0	0	0	0
	point111	105	138	45	3	45	1	45	0	0	0	0
	point112	106										
60 East Iris Ave	point113	107	813	50	17	50	8	50	0	0	0	0
	point114	108	813	50	17	50	8	50	0	0	0	0
	point115	109	813	50	17	50	8	50	0	0	0	0
	point116	110	813	50	17	50	8	50	0	0	0	0
	point117	111	813	50	17	50	8	50	0	0	0	0
	point118	112	813	50	17	50	8	50	0	0	0	0
	point119	113	813	50	17	50	8	50	0	0	0	0
	point120	114										
60 West Iris Ave	point133	115	813	50	17	50	8	50	0	0	0	0
	point134	116	813	50	17	50	8	50	0	0	0	0
	point135	117	813	50	17	50	8	50	0	0	0	0
	point136	118										
47 West John F Kennedy Dr	point148	119	129	35	3	35	1	35	0	0	0	0
	point149	120										
47 East John F Kennedy Dr	point150	121	129	35	3	35	1	35	0	0	0	0
	point151	122										
25 South Moreno Beach Dr	point152	123	745	55	15	55	8	55	0	0	0	0
	point153	124										
25 North Moreno Beach Dr	point154	125	745	55	15	55	8	55	0	0	0	0
	point155	126										
Roadway25	point156	127	0	0	0	0	0	0	0	0	0	0
	point157	128										
Driveway 1	point158	129	0	0	0	0	0	0	0	0	0	0
	point159	130										
Driveway 2	point160	131	0	0	0	1	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	132										
Driveway 3	point162	133	0	0	0	0	0	0	0	0	0	0
	point163	134										
Roadway29	point164	135	0	0	0	0	0	0	0	0	0	0
	point165	136										
55 West Iris Ave	point173	137	1415	50	29	50	15	50	0	0	0	0
	point8	138										
55 East Iris Ave	point174	139	1415	50	29	50	15	50	0	0	0	0
	point15	140										
57 West Iris	point175	141	1091	50	22	50	11	50	0	0	0	0
	point167	142	1091	50	22	50	11	50	0	0	0	0
	point18	143										
57 East Iris Ave	point176	144	1091	50	22	50	11	50	0	0	0	0
	point171	145	1091	50	22	50	11	50	0	0	0	0
	point23	146	1091	50	22	50	11	50	0	0	0	0
	point24	147										
58 West Iris	point177	148	951	50	20	50	10	50	0	0	0	0
	point19	149										
58 East Iris Ave	point178	150	951	50	20	50	10	50	0	0	0	0
	point25	151										
59 West Iris Ave	point179	152	922	50	19	50	10	50	0	0	0	0
	point20	153	922	50	19	50	10	50	0	0	0	0
	point21	154										
59 East Iris Ave	point180	155	922	50	19	50	10	50	0	0	0	0
	point26	156	922	50	19	50	10	50	0	0	0	0
	point27	157										
26 West Moreno Beach DR	point181	158	875	55	18	55	9	55	0	0	0	0
	point137	159	875	55	18	55	9	55	0	0	0	0
	point138	160	875	55	18	55	9	55	0	0	0	0
	point139	161	875	55	18	55	9	55	0	0	0	0
	point140	162	875	55	18	55	9	55	0	0	0	0
	point141	163	875	55	18	55	9	55	0	0	0	0
	point142	164	875	55	18	55	9	55	0	0	0	0
	point143	165	875	55	18	55	9	55	0	0	0	0
	point144	166	875	55	18	55	9	55	0	0	0	0
	point145	167	875	55	18	55	9	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

	point146	168	875	55	18	55	9	55	0	0	0	0
	point147	169										
26 East Moreno Beach Dr	point182	170	875	55	18	55	9	55	0	0	0	0
	point121	171	875	55	18	55	9	55	0	0	0	0
	point122	172	875	55	18	55	9	55	0	0	0	0
	point123	173	875	55	18	55	9	55	0	0	0	0
	point124	174	875	55	18	55	9	55	0	0	0	0
	point125	175	875	55	18	55	9	55	0	0	0	0
	point126	176	875	55	18	55	9	55	0	0	0	0
	point127	177	875	55	18	55	9	55	0	0	0	0
	point128	178	875	55	18	55	9	55	0	0	0	0
	point129	179	875	55	18	55	9	55	0	0	0	0
	point130	180	875	55	18	55	9	55	0	0	0	0
	point131	181	875	55	18	55	9	55	0	0	0	0
	point132	182										

INPUT: RECEIVERS**Kaiser Moreno Valley**

Dudek						20 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		Phase I no Project									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,457.3	1,832.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,446.9	1,100.6	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y
M1	8	1	4,643.7	1,082.2	0.00	4.92	0.00	66	10.0	8.0	Y
M2	9	1	3,978.9	677.8	0.00	4.92	0.00	66	10.0	8.0	Y
M3	10	1	4,245.6	682.1	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	49.4	66	49.4	10	----	49.4	0.0	8	-8.0	
ST5	2	1	0.0	62.3	66	62.3	10	----	62.3	0.0	8	-8.0	
ST2	3	1	0.0	64.8	66	64.8	10	----	64.8	0.0	8	-8.0	
ST6	4	1	0.0	52.2	66	52.2	10	----	52.2	0.0	8	-8.0	
ST3	5	1	0.0	68.0	66	68.0	10	Snd Lvl	68.0	0.0	8	-8.0	
ST1	6	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0	
M1	8	1	0.0	53.7	66	53.7	10	----	53.7	0.0	8	-8.0	
M2	9	1	0.0	64.0	66	64.0	10	----	64.0	0.0	8	-8.0	
M3	10	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		9	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek CB												
INPUT: ROADWAYS												
PROJECT/CONTRACT:	Kaiser Moreno Valley						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA					
RUN:	Phase I with Project											
Roadway		Points										
Name	Width	Name	No.	Coordinates (pavement)		Flow Control				Segment		
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?	
	ft			ft	ft	ft		mph	%			
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average		
		point2	2	388.5	175.7	0.00				Average		
		point3	3	576.5	274.4	0.00				Average		
		point4	4	647.4	314.5	0.00				Average		
		point5	5	943.4	425.5	0.00				Average		
		point6	6	1,214.7	474.8	0.00				Average		
		point7	7	1,469.1	489.5	0.00						
54 East Iris Ave	45.0	point9	8	314.5	55.5	0.00				Average		
		point10	9	570.4	203.5	0.00				Average		
		point11	10	776.9	296.0	0.00				Average		
		point12	11	915.7	351.5	0.00				Average		
		point13	12	1,230.2	419.3	0.00				Average		
		point14	13	1,474.1	426.4	0.00						
56 West Iris Ave	45.0	point16	14	2,330.8	505.6	0.00				Average		
		point17	15	3,172.5	493.3	0.00				Average		
		point166	16	3,451.0	494.3	0.00						
56 East Iris Ave	45.0	point22	17	2,324.7	447.0	0.00				Average		
		point168	18	2,666.1	443.9	0.00				Average		
		point169	19	3,007.6	440.9	0.00				Average		
		point170	20	3,349.1	437.8	0.00				Average		
		point172	21	3,451.8	437.0	0.00						
17 North Nason St	30.0	point28	22	2,324.7	564.2	0.00				Average		
		point29	23	2,309.3	1,014.3	0.00				Average		
		point30	24	2,204.4	1,415.2	0.00				Average		
		point31	25	2,111.9	1,834.4	0.00				Average		

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	26	2,096.5	2,068.8	0.00				Average	
		point33	27	2,102.7	2,395.6	0.00				Average	
		point34	28	2,155.1	2,642.2	0.00				Average	
		point35	29	2,241.4	2,904.3	0.00				Average	
		point36	30	2,346.3	3,120.1	0.00				Average	
		point37	31	2,552.8	3,483.9	0.00				Average	
		point38	32	2,670.0	3,721.3	0.00				Average	
		point39	33	2,762.5	4,103.6	0.00				Average	
		point40	34	2,796.4	4,356.4	0.00				Average	
		point41	35	2,790.2	4,544.5	0.00				Average	
		point42	36	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	37	2,278.4	564.2	0.00				Average	
		point44	38	2,272.2	940.4	0.00				Average	
		point45	39	2,250.7	1,137.7	0.00				Average	
		point46	40	2,204.4	1,282.6	0.00				Average	
		point47	41	2,108.9	1,637.1	0.00				Average	
		point48	42	2,081.1	1,769.7	0.00				Average	
		point49	43	2,065.7	2,007.1	0.00				Average	
		point50	44	2,065.7	2,349.3	0.00				Average	
		point51	45	2,074.9	2,497.3	0.00				Average	
		point52	46	2,148.9	2,750.1	0.00				Average	
		point53	47	2,256.8	3,030.7	0.00				Average	
		point54	48	2,423.3	3,317.4	0.00				Average	
		point55	49	2,522.0	3,490.1	0.00				Average	
		point56	50	2,596.0	3,656.6	0.00				Average	
		point57	51	2,673.1	3,866.2	0.00				Average	
		point58	52	2,688.5	3,927.9	0.00				Average	
		point59	53	2,737.8	4,174.5	0.00				Average	
		point60	54	2,740.9	4,273.2	0.00				Average	
		point61	55	2,747.0	4,470.5	0.00				Average	
		point62	56	2,747.0	4,994.7	0.00				Average	
		point63	57	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	58	6.2	5,800.7	0.00				Average	
		point65	59	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	60	0.0	5,769.8	0.00				Average	
		point67	61	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	62	2,839.5	5,813.0	0.00				Average	
		point69	63	3,379.1	5,806.9	0.00				Average	
		point70	64	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	65	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	66	2,848.8	5,788.4	0.00				Average	
		point73	67	3,360.6	5,782.2	0.00				Average	
		point74	68	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	69	5,438.0	5,806.9	0.00				Average	
		point76	70	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	71	5,450.3	5,785.3	0.00				Average	
		point78	72	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	73	8,109.8	5,809.9	0.00				Average	
		point80	74	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	75	8,119.1	5,785.3	0.00				Average	
		point82	76	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	77	5,372.0	5,769.8	0.00				Average	
		point84	78	5,381.3	4,903.5	0.00				Average	
		point85	79	5,375.1	4,666.1	0.00				Average	
		point86	80	5,381.3	4,105.0	0.00				Average	
		point87	81	5,378.2	3,476.0	0.00				Average	
		point88	82	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	83	5,409.0	5,766.8	0.00				Average	
		point90	84	5,412.1	5,119.3	0.00				Average	
		point91	85	5,409.0	4,789.4	0.00				Average	
		point92	86	5,409.0	4,367.0	0.00				Average	
		point93	87	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	88	5,412.1	3,122.7	0.00				Average	
		point95	89	5,415.2	2,543.1	0.00				Average	
		point96	90	5,424.4	2,068.3	0.00				Average	
		point97	91	5,421.3	1,834.0	0.00				Average	
		point98	92	5,424.4	1,362.2	0.00				Average	
		point99	93	5,430.6	1,090.9	0.00				Average	
		point100	94	5,427.5	970.7	0.00				Average	
		point101	95	5,430.6	773.4	0.00				Average	
		point102	96	5,412.1	582.2	0.00				Average	
		point103	97	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	98	5,375.1	3,122.6	0.00				Average	
		point105	99	5,390.5	2,469.0	0.00				Average	
		point106	100	5,390.5	2,012.7	0.00				Average	
		point107	101	5,390.5	1,577.9	0.00				Average	
		point108	102	5,396.7	1,143.2	0.00				Average	
		point109	103	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	104	5,399.8	742.4	0.00				Average	
		point111	105	5,387.4	634.5	0.00				Average	
		point112	106	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	107	5,396.7	391.6	0.00				Average	
		point114	108	5,772.8	317.6	0.00				Average	
		point115	109	5,865.3	302.1	0.00				Average	
		point116	110	6,056.5	289.8	0.00				Average	
		point117	111	6,198.3	296.0	0.00				Average	
		point118	112	6,306.2	308.3	0.00				Average	
		point119	113	6,404.9	326.8	0.00				Average	
		point120	114	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	115	5,409.0	447.0	0.00				Average	
		point134	116	5,779.0	373.1	0.00				Average	
		point135	117	6,139.7	354.6	0.00				Average	
		point136	118	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	119	5,427.5	3,154.6	0.00				Average	
		point149	120	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	121	5,449.1	3,117.7	0.00				Average	
		point151	122	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	123	8,014.2	3,177.0	0.00				Average	
		point153	124	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	125	8,079.0	3,183.1	0.00				Average	
		point155	126	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	127	6,567.1	295.4	0.00				Average	
		point157	128	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	129	3,459.4	516.3	0.00				Average	
		point159	130	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	131	4,095.1	516.3	0.00				Average	
		point161	132	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	133	4,749.0	523.1	0.00				Average	
		point163	134	4,744.5	798.1	0.00					
Roadway29	12.0	point164	135	1,471.7	398.7	0.00				Average	
		point165	136	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	137	1,469.1	489.5	0.00				Average	
		point8	138	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	139	1,474.1	426.4	0.00				Average	
		point15	140	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	141	3,451.0	494.3	0.00				Average	
		point167	142	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	143	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	144	3,451.8	437.0	0.00				Average	
		point171	145	3,519.8	436.2	0.00				Average	
		point23	146	3,690.5	434.7	0.00				Average	
		point24	147	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	148	4,095.1	496.4	0.00				Average	
		point19	149	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	150	4,103.1	431.6	0.00				Average	
		point25	151	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	152	4,766.5	493.3	0.00				Average	
		point20	153	5,188.9	490.2	0.00				Average	
		point21	154	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	155	4,761.4	426.8	0.00				Average	
		point26	156	5,247.4	422.4	0.00				Average	
		point27	157	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	158	6,531.3	403.9	0.00				Average	
		point137	159	6,787.2	487.1	0.00				Average	
		point138	160	7,003.0	592.0	0.00				Average	
		point139	161	7,274.3	764.6	0.00				Average	
		point140	162	7,490.1	958.9	0.00				Average	
		point141	163	7,656.6	1,162.3	0.00				Average	
		point142	164	7,727.5	1,261.0	0.00				Average	
		point143	165	7,863.2	1,513.8	0.00				Average	
		point144	166	7,980.3	1,856.0	0.00				Average	
		point145	167	8,017.3	2,084.2	0.00				Average	
		point146	168	8,023.5	2,688.5	0.00				Average	
		point147	169	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	170	6,555.9	348.4	0.00				Average	
		point121	171	6,910.5	471.7	0.00				Average	
		point122	172	7,218.8	638.2	0.00				Average	
		point123	173	7,471.6	854.0	0.00				Average	
		point124	174	7,588.8	965.0	0.00				Average	
		point125	175	7,653.5	1,045.2	0.00				Average	
		point126	176	7,776.8	1,230.2	0.00				Average	
		point127	177	7,927.9	1,516.9	0.00				Average	
		point128	178	8,035.8	1,840.6	0.00				Average	
		point129	179	8,069.7	2,081.1	0.00				Average	
		point130	180	8,079.0	2,364.7	0.00				Average	
		point131	181	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	182	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	Phase I with Project											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	1504	50	31	50	16	50	0	0	0	0
	point2	2	1504	50	31	50	16	50	0	0	0	0
	point3	3	1504	50	31	50	16	50	0	0	0	0
	point4	4	1504	50	31	50	16	50	0	0	0	0
	point5	5	1504	50	31	50	16	50	0	0	0	0
	point6	6	1504	50	31	50	16	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	8	1504	50	31	50	16	50	0	0	0	0
	point10	9	1504	50	31	50	16	50	0	0	0	0
	point11	10	1504	50	31	50	16	50	0	0	0	0
	point12	11	1504	50	31	50	16	50	0	0	0	0
	point13	12	1504	50	31	50	16	50	0	0	0	0
	point14	13										
56 West Iris Ave	point16	14	1155	50	24	50	12	50	0	0	0	0
	point17	15	1155	50	24	50	12	50	0	0	0	0
	point166	16										
56 East Iris Ave	point22	17	1155	50	24	50	12	50	0	0	0	0
	point168	18	1155	50	24	50	12	50	0	0	0	0
	point169	19	1155	50	24	50	12	50	0	0	0	0
	point170	20	1155	50	24	50	12	50	0	0	0	0
	point172	21										
17 North Nason St	point28	22	714	35	15	35	7	35	0	0	0	0
	point29	23	714	35	15	35	7	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	24	714	35	15	35	7	35	0	0	0	0
	point31	25	714	35	15	35	7	35	0	0	0	0
	point32	26	714	35	15	35	7	35	0	0	0	0
	point33	27	714	35	15	35	7	35	0	0	0	0
	point34	28	714	35	15	35	7	35	0	0	0	0
	point35	29	714	35	15	35	7	35	0	0	0	0
	point36	30	714	35	15	35	7	35	0	0	0	0
	point37	31	714	35	15	35	7	35	0	0	0	0
	point38	32	714	35	15	35	7	35	0	0	0	0
	point39	33	714	35	15	35	7	35	0	0	0	0
	point40	34	714	35	15	35	7	35	0	0	0	0
	point41	35	714	35	15	35	7	35	0	0	0	0
	point42	36										
17 South Nason St	point43	37	714	35	15	35	7	35	0	0	0	0
	point44	38	714	35	15	35	7	35	0	0	0	0
	point45	39	714	35	15	35	7	35	0	0	0	0
	point46	40	714	35	15	35	7	35	0	0	0	0
	point47	41	714	35	15	35	7	35	0	0	0	0
	point48	42	714	35	15	35	7	35	0	0	0	0
	point49	43	714	35	15	35	7	35	0	0	0	0
	point50	44	714	35	15	35	7	35	0	0	0	0
	point51	45	714	35	15	35	7	35	0	0	0	0
	point52	46	714	35	15	35	7	35	0	0	0	0
	point53	47	714	35	15	35	7	35	0	0	0	0
	point54	48	714	35	15	35	7	35	0	0	0	0
	point55	49	714	35	15	35	7	35	0	0	0	0
	point56	50	714	35	15	35	7	35	0	0	0	0
	point57	51	714	35	15	35	7	35	0	0	0	0
	point58	52	714	35	15	35	7	35	0	0	0	0
	point59	53	714	35	15	35	7	35	0	0	0	0
	point60	54	714	35	15	35	7	35	0	0	0	0
	point61	55	714	35	15	35	7	35	0	0	0	0
	point62	56	714	35	15	35	7	35	0	0	0	0
	point63	57										
46 West Cactus Ave	point64	58	806	45	17	45	8	45	0	0	0	0
	point65	59										

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

46 East Cactus Ave	point66	60	806	45	17	45	8	45	0	0	0	0
	point67	61										
Roadway9	point68	62	0	0	0	0	0	0	0	0	0	0
	point69	63	0	0	0	0	0	0	0	0	0	0
	point70	64	0	0	0	0	0	0	0	0	0	0
	point71	65										
Roadway10	point72	66	0	0	0	0	0	0	0	0	0	0
	point73	67	0	0	0	0	0	0	0	0	0	0
	point74	68										
Roadway11	point75	69	0	0	0	0	0	0	0	0	0	0
	point76	70										
Roadway12	point77	71	0	0	0	0	0	0	0	0	0	0
	point78	72										
Roadway13	point79	73	0	0	0	0	0	0	0	0	0	0
	point80	74										
Roadway14	point81	75	0	0	0	0	0	0	0	0	0	0
	point82	76										
19 South Oliver Dr	point83	77	225	45	5	45	2	45	0	0	0	0
	point84	78	225	45	5	45	2	45	0	0	0	0
	point85	79	225	45	5	45	2	45	0	0	0	0
	point86	80	225	45	5	45	2	45	0	0	0	0
	point87	81	225	45	5	45	2	45	0	0	0	0
	point88	82										
19 North Oliver	point89	83	225	45	5	45	2	45	0	0	0	0
	point90	84	225	45	5	45	2	45	0	0	0	0
	point91	85	225	45	5	45	2	45	0	0	0	0
	point92	86	225	45	5	45	2	45	0	0	0	0
	point93	87										
20 North Oliver St	point94	88	140	45	3	45	1	45	0	0	0	0
	point95	89	140	45	3	45	1	45	0	0	0	0
	point96	90	140	45	3	45	1	45	0	0	0	0
	point97	91	140	45	3	45	1	45	0	0	0	0
	point98	92	140	45	3	45	1	45	0	0	0	0
	point99	93	140	45	3	45	1	45	0	0	0	0
	point100	94	140	45	3	45	1	45	0	0	0	0
	point101	95	140	45	3	45	1	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	96	140	45	3	45	1	45	0	0	0	0
	point103	97										
20 South Oliver	point104	98	140	45	3	45	1	45	0	0	0	0
	point105	99	140	45	3	45	1	45	0	0	0	0
	point106	100	140	45	3	45	1	45	0	0	0	0
	point107	101	140	45	3	45	1	45	0	0	0	0
	point108	102	140	45	3	45	1	45	0	0	0	0
	point109	103	140	45	3	45	1	45	0	0	0	0
	point110	104	140	45	3	45	1	45	0	0	0	0
	point111	105	140	45	3	45	1	45	0	0	0	0
	point112	106										
60 East Iris Ave	point113	107	820	50	17	50	8	50	0	0	0	0
	point114	108	820	50	17	50	8	50	0	0	0	0
	point115	109	820	50	17	50	8	50	0	0	0	0
	point116	110	820	50	17	50	8	50	0	0	0	0
	point117	111	820	50	17	50	8	50	0	0	0	0
	point118	112	820	50	17	50	8	50	0	0	0	0
	point119	113	820	50	17	50	8	50	0	0	0	0
	point120	114										
60 West Iris Ave	point133	115	820	50	17	50	8	50	0	0	0	0
	point134	116	820	50	17	50	8	50	0	0	0	0
	point135	117	820	50	17	50	8	50	0	0	0	0
	point136	118										
47 West John F Kennedy Dr	point148	119	129	35	3	35	1	35	0	0	0	0
	point149	120										
47 East John F Kennedy Dr	point150	121	129	35	3	35	1	35	0	0	0	0
	point151	122										
25 South Moreno Beach Dr	point152	123	751	55	15	55	8	55	0	0	0	0
	point153	124										
25 North Moreno Beach Dr	point154	125	751	55	15	55	8	55	0	0	0	0
	point155	126										
Roadway25	point156	127	0	0	0	0	0	0	0	0	0	0
	point157	128										
Driveway 1	point158	129	0	0	0	0	0	0	0	0	0	0
	point159	130										
Driveway 2	point160	131	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	132										
Driveway 3	point162	133	0	0	0	0	0	0	0	0	0	0
	point163	134										
Roadway29	point164	135	0	0	0	0	0	0	0	0	0	0
	point165	136										
55 West Iris Ave	point173	137	1423	50	29	50	15	50	0	0	0	0
	point8	138										
55 East Iris Ave	point174	139	1423	50	29	50	15	50	0	0	0	0
	point15	140										
57 West Iris	point175	141	1108	50	23	50	11	50	0	0	0	0
	point167	142	1108	50	23	50	11	50	0	0	0	0
	point18	143										
57 East Iris Ave	point176	144	1108	50	23	50	11	50	0	0	0	0
	point171	145	1108	50	23	50	11	50	0	0	0	0
	point23	146	1108	50	23	50	11	50	0	0	0	0
	point24	147										
58 West Iris	point177	148	960	50	20	50	10	50	0	0	0	0
	point19	149										
58 East Iris Ave	point178	150	960	50	20	50	10	50	0	0	0	0
	point25	151										
59 West Iris Ave	point179	152	931	50	19	50	10	50	0	0	0	0
	point20	153	931	50	19	50	10	50	0	0	0	0
	point21	154										
59 East Iris Ave	point180	155	931	50	19	50	10	50	0	0	0	0
	point26	156	931	50	19	50	10	50	0	0	0	0
	point27	157										
26 West Moreno Beach DR	point181	158	882	55	18	55	9	55	0	0	0	0
	point137	159	882	55	18	55	9	55	0	0	0	0
	point138	160	882	55	18	55	9	55	0	0	0	0
	point139	161	882	55	18	55	9	55	0	0	0	0
	point140	162	882	55	18	55	9	55	0	0	0	0
	point141	163	882	55	18	55	9	55	0	0	0	0
	point142	164	882	55	18	55	9	55	0	0	0	0
	point143	165	882	55	18	55	9	55	0	0	0	0
	point144	166	882	55	18	55	9	55	0	0	0	0
	point145	167	882	55	18	55	9	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

	point146	168	882	55	18	55	9	55	0	0	0	0
	point147	169										
26 East Moreno Beach Dr	point182	170	882	55	18	55	9	55	0	0	0	0
	point121	171	882	55	18	55	9	55	0	0	0	0
	point122	172	882	55	18	55	9	55	0	0	0	0
	point123	173	882	55	18	55	9	55	0	0	0	0
	point124	174	882	55	18	55	9	55	0	0	0	0
	point125	175	882	55	18	55	9	55	0	0	0	0
	point126	176	882	55	18	55	9	55	0	0	0	0
	point127	177	882	55	18	55	9	55	0	0	0	0
	point128	178	882	55	18	55	9	55	0	0	0	0
	point129	179	882	55	18	55	9	55	0	0	0	0
	point130	180	882	55	18	55	9	55	0	0	0	0
	point131	181	882	55	18	55	9	55	0	0	0	0
	point132	182										

INPUT: RECEIVERS
Kaiser Moreno Valley

Dudek						20 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		Phase I with Project									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,456.9	1,835.9	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,450.6	1,101.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y
M1	8	1	4,643.7	1,082.2	0.00	4.92	0.00	66	10.0	8.0	Y
M2	9	1	3,978.9	677.8	0.00	4.92	0.00	66	10.0	8.0	Y
M3	10	1	4,245.6	682.1	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	50.5	66	50.5	10	----	50.5	0.0	8	-8.0	
ST5	2	1	0.0	63.1	66	63.1	10	----	63.1	0.0	8	-8.0	
ST2	3	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0	
ST6	4	1	0.0	53.3	66	53.3	10	----	53.3	0.0	8	-8.0	
ST3	5	1	0.0	69.1	66	69.1	10	Snd Lvl	69.1	0.0	8	-8.0	
ST1	6	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		6	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek CB					19 March 2019 TNM 2.5						
INPUT: ROADWAYS							Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA				
PROJECT/CONTRACT:	Kaiser Moreno Valley										
RUN:	Phase 2 with Project										
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average	
		point2	2	388.5	175.7	0.00				Average	
		point3	3	576.5	274.4	0.00				Average	
		point4	4	647.4	314.5	0.00				Average	
		point5	5	943.4	425.5	0.00				Average	
		point6	6	1,214.7	474.8	0.00				Average	
		point7	7	1,469.1	489.5	0.00					
54 East Iris Ave	45.0	point9	8	314.5	55.5	0.00				Average	
		point10	9	570.4	203.5	0.00				Average	
		point11	10	776.9	296.0	0.00				Average	
		point12	11	915.7	351.5	0.00				Average	
		point13	12	1,230.2	419.3	0.00				Average	
		point14	13	1,474.1	426.4	0.00					
56 West Iris Ave	45.0	point16	14	2,330.8	505.6	0.00				Average	
		point17	15	3,172.5	493.3	0.00				Average	
		point166	16	3,451.0	494.3	0.00					
56 East Iris Ave	45.0	point22	17	2,324.7	447.0	0.00				Average	
		point168	18	2,666.1	443.9	0.00				Average	
		point169	19	3,007.6	440.9	0.00				Average	
		point170	20	3,349.1	437.8	0.00				Average	
		point172	21	3,451.8	437.0	0.00					
17 North Nason St	30.0	point28	22	2,324.7	564.2	0.00				Average	
		point29	23	2,309.3	1,014.3	0.00				Average	
		point30	24	2,204.4	1,415.2	0.00				Average	
		point31	25	2,111.9	1,834.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	26	2,096.5	2,068.8	0.00				Average	
		point33	27	2,102.7	2,395.6	0.00				Average	
		point34	28	2,155.1	2,642.2	0.00				Average	
		point35	29	2,241.4	2,904.3	0.00				Average	
		point36	30	2,346.3	3,120.1	0.00				Average	
		point37	31	2,552.8	3,483.9	0.00				Average	
		point38	32	2,670.0	3,721.3	0.00				Average	
		point39	33	2,762.5	4,103.6	0.00				Average	
		point40	34	2,796.4	4,356.4	0.00				Average	
		point41	35	2,790.2	4,544.5	0.00				Average	
		point42	36	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	37	2,278.4	564.2	0.00				Average	
		point44	38	2,272.2	940.4	0.00				Average	
		point45	39	2,250.7	1,137.7	0.00				Average	
		point46	40	2,204.4	1,282.6	0.00				Average	
		point47	41	2,108.9	1,637.1	0.00				Average	
		point48	42	2,081.1	1,769.7	0.00				Average	
		point49	43	2,065.7	2,007.1	0.00				Average	
		point50	44	2,065.7	2,349.3	0.00				Average	
		point51	45	2,074.9	2,497.3	0.00				Average	
		point52	46	2,148.9	2,750.1	0.00				Average	
		point53	47	2,256.8	3,030.7	0.00				Average	
		point54	48	2,423.3	3,317.4	0.00				Average	
		point55	49	2,522.0	3,490.1	0.00				Average	
		point56	50	2,596.0	3,656.6	0.00				Average	
		point57	51	2,673.1	3,866.2	0.00				Average	
		point58	52	2,688.5	3,927.9	0.00				Average	
		point59	53	2,737.8	4,174.5	0.00				Average	
		point60	54	2,740.9	4,273.2	0.00				Average	
		point61	55	2,747.0	4,470.5	0.00				Average	
		point62	56	2,747.0	4,994.7	0.00				Average	
		point63	57	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	58	6.2	5,800.7	0.00				Average	
		point65	59	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	60	0.0	5,769.8	0.00				Average	
		point67	61	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	62	2,839.5	5,813.0	0.00				Average	
		point69	63	3,379.1	5,806.9	0.00				Average	
		point70	64	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	65	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	66	2,848.8	5,788.4	0.00				Average	
		point73	67	3,360.6	5,782.2	0.00				Average	
		point74	68	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	69	5,438.0	5,806.9	0.00				Average	
		point76	70	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	71	5,450.3	5,785.3	0.00				Average	
		point78	72	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	73	8,109.8	5,809.9	0.00				Average	
		point80	74	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	75	8,119.1	5,785.3	0.00				Average	
		point82	76	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	77	5,372.0	5,769.8	0.00				Average	
		point84	78	5,381.3	4,903.5	0.00				Average	
		point85	79	5,375.1	4,666.1	0.00				Average	
		point86	80	5,381.3	4,105.0	0.00				Average	
		point87	81	5,378.2	3,476.0	0.00				Average	
		point88	82	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	83	5,409.0	5,766.8	0.00				Average	
		point90	84	5,412.1	5,119.3	0.00				Average	
		point91	85	5,409.0	4,789.4	0.00				Average	
		point92	86	5,409.0	4,367.0	0.00				Average	
		point93	87	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	88	5,412.1	3,122.7	0.00				Average	
		point95	89	5,415.2	2,543.1	0.00				Average	
		point96	90	5,424.4	2,068.3	0.00				Average	
		point97	91	5,421.3	1,834.0	0.00				Average	
		point98	92	5,424.4	1,362.2	0.00				Average	
		point99	93	5,430.6	1,090.9	0.00				Average	
		point100	94	5,427.5	970.7	0.00				Average	
		point101	95	5,430.6	773.4	0.00				Average	
		point102	96	5,412.1	582.2	0.00				Average	
		point103	97	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	98	5,375.1	3,122.6	0.00				Average	
		point105	99	5,390.5	2,469.0	0.00				Average	
		point106	100	5,390.5	2,012.7	0.00				Average	
		point107	101	5,390.5	1,577.9	0.00				Average	
		point108	102	5,396.7	1,143.2	0.00				Average	
		point109	103	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	104	5,399.8	742.4	0.00				Average	
		point111	105	5,387.4	634.5	0.00				Average	
		point112	106	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	107	5,396.7	391.6	0.00				Average	
		point114	108	5,772.8	317.6	0.00				Average	
		point115	109	5,865.3	302.1	0.00				Average	
		point116	110	6,056.5	289.8	0.00				Average	
		point117	111	6,198.3	296.0	0.00				Average	
		point118	112	6,306.2	308.3	0.00				Average	
		point119	113	6,404.9	326.8	0.00				Average	
		point120	114	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	115	5,409.0	447.0	0.00				Average	
		point134	116	5,779.0	373.1	0.00				Average	
		point135	117	6,139.7	354.6	0.00				Average	
		point136	118	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	119	5,427.5	3,154.6	0.00				Average	
		point149	120	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	121	5,449.1	3,117.7	0.00				Average	
		point151	122	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	123	8,014.2	3,177.0	0.00				Average	
		point153	124	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	125	8,079.0	3,183.1	0.00				Average	
		point155	126	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	127	6,567.1	295.4	0.00				Average	
		point157	128	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	129	3,459.4	516.3	0.00				Average	
		point159	130	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	131	4,095.1	516.3	0.00				Average	
		point161	132	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	133	4,749.0	523.1	0.00				Average	
		point163	134	4,744.5	798.1	0.00					
Roadway29	12.0	point164	135	1,471.7	398.7	0.00				Average	
		point165	136	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	137	1,469.1	489.5	0.00				Average	
		point8	138	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	139	1,474.1	426.4	0.00				Average	
		point15	140	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	141	3,451.0	494.3	0.00				Average	
		point167	142	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	143	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	144	3,451.8	437.0	0.00				Average	
		point171	145	3,519.8	436.2	0.00				Average	
		point23	146	3,690.5	434.7	0.00				Average	
		point24	147	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	148	4,095.1	496.4	0.00				Average	
		point19	149	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	150	4,103.1	431.6	0.00				Average	
		point25	151	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	152	4,766.5	493.3	0.00				Average	
		point20	153	5,188.9	490.2	0.00				Average	
		point21	154	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	155	4,761.4	426.8	0.00				Average	
		point26	156	5,247.4	422.4	0.00				Average	
		point27	157	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	158	6,531.3	403.9	0.00				Average	
		point137	159	6,787.2	487.1	0.00				Average	
		point138	160	7,003.0	592.0	0.00				Average	
		point139	161	7,274.3	764.6	0.00				Average	
		point140	162	7,490.1	958.9	0.00				Average	
		point141	163	7,656.6	1,162.3	0.00				Average	
		point142	164	7,727.5	1,261.0	0.00				Average	
		point143	165	7,863.2	1,513.8	0.00				Average	
		point144	166	7,980.3	1,856.0	0.00				Average	
		point145	167	8,017.3	2,084.2	0.00				Average	
		point146	168	8,023.5	2,688.5	0.00				Average	
		point147	169	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	170	6,555.9	348.4	0.00				Average	
		point121	171	6,910.5	471.7	0.00				Average	
		point122	172	7,218.8	638.2	0.00				Average	
		point123	173	7,471.6	854.0	0.00				Average	
		point124	174	7,588.8	965.0	0.00				Average	
		point125	175	7,653.5	1,045.2	0.00				Average	
		point126	176	7,776.8	1,230.2	0.00				Average	
		point127	177	7,927.9	1,516.9	0.00				Average	
		point128	178	8,035.8	1,840.6	0.00				Average	
		point129	179	8,069.7	2,081.1	0.00				Average	
		point130	180	8,079.0	2,364.7	0.00				Average	
		point131	181	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	182	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	Phase 2 with Project											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	2000	50	41	50	21	50	0	0	0	0
	point2	2	2000	50	41	50	21	50	0	0	0	0
	point3	3	2000	50	41	50	21	50	0	0	0	0
	point4	4	2000	50	41	50	21	50	0	0	0	0
	point5	5	2000	50	41	50	21	50	0	0	0	0
	point6	6	2000	50	41	50	21	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	8	2000	50	41	50	21	50	0	0	0	0
	point10	9	2000	50	41	50	21	50	0	0	0	0
	point11	10	2000	50	41	50	21	50	0	0	0	0
	point12	11	2000	50	41	50	21	50	0	0	0	0
	point13	12	2000	50	41	50	21	50	0	0	0	0
	point14	13										
56 West Iris Ave	point16	14	1470	50	30	50	15	50	0	0	0	0
	point17	15	1470	50	30	50	15	50	0	0	0	0
	point166	16										
56 East Iris Ave	point22	17	1470	50	30	50	15	50	0	0	0	0
	point168	18	1470	50	30	50	15	50	0	0	0	0
	point169	19	1470	50	30	50	15	50	0	0	0	0
	point170	20	1470	50	30	50	15	50	0	0	0	0
	point172	21										
17 North Nason St	point28	22	931	35	19	35	10	35	0	0	0	0
	point29	23	931	35	19	35	10	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	24	931	35	19	35	10	35	0	0	0	0
	point31	25	931	35	19	35	10	35	0	0	0	0
	point32	26	931	35	19	35	10	35	0	0	0	0
	point33	27	931	35	19	35	10	35	0	0	0	0
	point34	28	931	35	19	35	10	35	0	0	0	0
	point35	29	931	35	19	35	10	35	0	0	0	0
	point36	30	931	35	19	35	10	35	0	0	0	0
	point37	31	931	35	19	35	10	35	0	0	0	0
	point38	32	931	35	19	35	10	35	0	0	0	0
	point39	33	931	35	19	35	10	35	0	0	0	0
	point40	34	931	35	19	35	10	35	0	0	0	0
	point41	35	931	35	19	35	10	35	0	0	0	0
	point42	36										
17 South Nason St	point43	37	931	35	19	35	10	35	0	0	0	0
	point44	38	931	35	19	35	10	35	0	0	0	0
	point45	39	931	35	19	35	10	35	0	0	0	0
	point46	40	931	35	19	35	10	35	0	0	0	0
	point47	41	931	35	19	35	10	35	0	0	0	0
	point48	42	931	35	19	35	10	35	0	0	0	0
	point49	43	931	35	19	35	10	35	0	0	0	0
	point50	44	931	35	19	35	10	35	0	0	0	0
	point51	45	931	35	19	35	10	35	0	0	0	0
	point52	46	931	35	19	35	10	35	0	0	0	0
	point53	47	931	35	19	35	10	35	0	0	0	0
	point54	48	931	35	19	35	10	35	0	0	0	0
	point55	49	931	35	19	35	10	35	0	0	0	0
	point56	50	931	35	19	35	10	35	0	0	0	0
	point57	51	931	35	19	35	10	35	0	0	0	0
	point58	52	931	35	19	35	10	35	0	0	0	0
	point59	53	931	35	19	35	10	35	0	0	0	0
	point60	54	931	35	19	35	10	35	0	0	0	0
	point61	55	931	35	19	35	10	35	0	0	0	0
	point62	56	931	35	19	35	10	35	0	0	0	0
	point63	57										
46 West Cactus Ave	point64	58	988	45	20	45	10	45	0	0	0	0
	point65	59										

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

46 East Cactus Ave	point66	60	988	45	20	45	10	45	0	0	0	0
	point67	61										
Roadway9	point68	62	0	0	0	0	0	0	0	0	0	0
	point69	63	0	0	0	0	0	0	0	0	0	0
	point70	64	0	0	0	0	0	0	0	0	0	0
	point71	65										
Roadway10	point72	66	0	0	0	0	0	0	0	0	0	0
	point73	67	0	0	0	0	0	0	0	0	0	0
	point74	68										
Roadway11	point75	69	0	0	0	0	0	0	0	0	0	0
	point76	70										
Roadway12	point77	71	0	0	0	0	0	0	0	0	0	0
	point78	72										
Roadway13	point79	73	0	0	0	0	0	0	0	0	0	0
	point80	74										
Roadway14	point81	75	0	0	0	0	0	0	0	0	0	0
	point82	76										
19 South Oliver Dr	point83	77	263	45	5	45	3	45	0	0	0	0
	point84	78	263	45	5	45	3	45	0	0	0	0
	point85	79	263	45	5	45	3	45	0	0	0	0
	point86	80	263	45	5	45	3	45	0	0	0	0
	point87	81	263	45	5	45	3	45	0	0	0	0
	point88	82										
19 North Oliver	point89	83	263	45	5	45	3	45	0	0	0	0
	point90	84	263	45	5	45	3	45	0	0	0	0
	point91	85	263	45	5	45	3	45	0	0	0	0
	point92	86	263	45	5	45	3	45	0	0	0	0
	point93	87										
20 North Oliver St	point94	88	164	45	3	45	2	45	0	0	0	0
	point95	89	164	45	3	45	2	45	0	0	0	0
	point96	90	164	45	3	45	2	45	0	0	0	0
	point97	91	164	45	3	45	2	45	0	0	0	0
	point98	92	164	45	3	45	2	45	0	0	0	0
	point99	93	164	45	3	45	2	45	0	0	0	0
	point100	94	164	45	3	45	2	45	0	0	0	0
	point101	95	164	45	3	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	96	164	45	3	45	2	45	0	0	0	0
	point103	97										
20 South Oliver	point104	98	164	45	3	45	2	45	0	0	0	0
	point105	99	164	45	3	45	2	45	0	0	0	0
	point106	100	164	45	3	45	2	45	0	0	0	0
	point107	101	164	45	3	45	2	45	0	0	0	0
	point108	102	164	45	3	45	2	45	0	0	0	0
	point109	103	164	45	3	45	2	45	0	0	0	0
	point110	104	164	45	3	45	2	45	0	0	0	0
	point111	105	164	45	3	45	2	45	0	0	0	0
	point112	106										
60 East Iris Ave	point113	107	1097	50	23	50	11	50	0	0	0	0
	point114	108	1097	50	23	50	11	50	0	0	0	0
	point115	109	1097	50	23	50	11	50	0	0	0	0
	point116	110	1097	50	23	50	11	50	0	0	0	0
	point117	111	1097	50	23	50	11	50	0	0	0	0
	point118	112	1097	50	23	50	11	50	0	0	0	0
	point119	113	1097	50	23	50	11	50	0	0	0	0
	point120	114										
60 West Iris Ave	point133	115	1097	50	23	50	11	50	0	0	0	0
	point134	116	1097	50	23	50	11	50	0	0	0	0
	point135	117	1097	50	23	50	11	50	0	0	0	0
	point136	118										
47 West John F Kennedy Dr	point148	119	131	35	3	35	1	35	0	0	0	0
	point149	120										
47 East John F Kennedy Dr	point150	121	131	35	3	35	1	35	0	0	0	0
	point151	122										
25 South Moreno Beach Dr	point152	123	896	55	18	55	9	55	0	0	0	0
	point153	124										
25 North Moreno Beach Dr	point154	125	896	55	18	55	9	55	0	0	0	0
	point155	126										
Roadway25	point156	127	0	0	0	0	0	0	0	0	0	0
	point157	128										
Driveway 1	point158	129	0	0	0	0	0	0	0	0	0	0
	point159	130										
Driveway 2	point160	131	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	132										
Driveway 3	point162	133	0	0	0	0	0	0	0	0	0	0
	point163	134										
Roadway29	point164	135	0	0	0	0	0	0	0	0	0	0
	point165	136										
55 West Iris Ave	point173	137	1919	50	40	50	20	50	0	0	0	0
	point8	138										
55 East Iris Ave	point174	139	1919	50	40	50	20	50	0	0	0	0
	point15	140										
57 West Iris	point175	141	1429	50	29	50	15	50	0	0	0	0
	point167	142	1429	50	29	50	15	50	0	0	0	0
	point18	143										
57 East Iris Ave	point176	144	1429	50	29	50	15	50	0	0	0	0
	point171	145	1429	50	29	50	15	50	0	0	0	0
	point23	146	1429	50	29	50	15	50	0	0	0	0
	point24	147										
58 West Iris	point177	148	1259	50	26	50	13	50	0	0	0	0
	point19	149										
58 East Iris Ave	point178	150	1259	50	26	50	13	50	0	0	0	0
	point25	151										
59 West Iris Ave	point179	152	1230	50	25	50	13	50	0	0	0	0
	point20	153	1230	50	25	50	13	50	0	0	0	0
	point21	154										
59 East Iris Ave	point180	155	1230	50	25	50	13	50	0	0	0	0
	point26	156	1230	50	25	50	13	50	0	0	0	0
	point27	157										
26 West Moreno Beach DR	point181	158	1173	55	24	55	12	55	0	0	0	0
	point137	159	1173	55	24	55	12	55	0	0	0	0
	point138	160	1173	55	24	55	12	55	0	0	0	0
	point139	161	1173	55	24	55	12	55	0	0	0	0
	point140	162	1173	55	24	55	12	55	0	0	0	0
	point141	163	1173	55	24	55	12	55	0	0	0	0
	point142	164	1173	55	24	55	12	55	0	0	0	0
	point143	165	1173	55	24	55	12	55	0	0	0	0
	point144	166	1173	55	24	55	12	55	0	0	0	0
	point145	167	1173	55	24	55	12	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

	point146	168	1173	55	24	55	12	55	0	0	0	0
	point147	169										
26 East Moreno Beach Dr	point182	170	1173	55	24	55	12	55	0	0	0	0
	point121	171	1173	55	24	55	12	55	0	0	0	0
	point122	172	1173	55	24	55	12	55	0	0	0	0
	point123	173	1173	55	24	55	12	55	0	0	0	0
	point124	174	1173	55	24	55	12	55	0	0	0	0
	point125	175	1173	55	24	55	12	55	0	0	0	0
	point126	176	1173	55	24	55	12	55	0	0	0	0
	point127	177	1173	55	24	55	12	55	0	0	0	0
	point128	178	1173	55	24	55	12	55	0	0	0	0
	point129	179	1173	55	24	55	12	55	0	0	0	0
	point130	180	1173	55	24	55	12	55	0	0	0	0
	point131	181	1173	55	24	55	12	55	0	0	0	0
	point132	182										

INPUT: RECEIVERS
Kaiser Moreno Valley

Dudek						19 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Kaiser Moreno Valley										
RUN:	Phase 2 with Project										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'I	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,456.9	1,835.9	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,450.6	1,101.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	50.9	66	50.9	10	----	50.9	0.0	8	-8.0	
ST5	2	1	0.0	63.5	66	63.5	10	----	63.5	0.0	8	-8.0	
ST2	3	1	0.0	66.1	66	66.1	10	Snd Lvl	66.1	0.0	8	-8.0	
ST6	4	1	0.0	53.7	66	53.7	10	----	53.7	0.0	8	-8.0	
ST3	5	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0	
ST1	6	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0	
M1	8	1	0.0	55.2	66	55.2	10	----	55.2	0.0	8	-8.0	
M2	9	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0	
M3	10	1	0.0	65.0	66	65.0	10	----	65.0	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		9	0.0	0.0	0.0								
All Impacted		3	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek CB												
INPUT: ROADWAYS												
PROJECT/CONTRACT:	Kaiser Moreno Valley						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA					
RUN:	Phase 2 with Project											
Roadway		Points										
Name	Width	Name	No.	Coordinates (pavement)			Flow Control				Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?	
	ft			ft	ft	ft		mph	%			
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average		
		point2	2	388.5	175.7	0.00				Average		
		point3	3	576.5	274.4	0.00				Average		
		point4	4	647.4	314.5	0.00				Average		
		point5	5	943.4	425.5	0.00				Average		
		point6	6	1,214.7	474.8	0.00				Average		
		point7	7	1,469.1	489.5	0.00						
54 East Iris Ave	45.0	point9	8	314.5	55.5	0.00				Average		
		point10	9	570.4	203.5	0.00				Average		
		point11	10	776.9	296.0	0.00				Average		
		point12	11	915.7	351.5	0.00				Average		
		point13	12	1,230.2	419.3	0.00				Average		
		point14	13	1,474.1	426.4	0.00						
56 West Iris Ave	45.0	point16	14	2,330.8	505.6	0.00				Average		
		point17	15	3,172.5	493.3	0.00				Average		
		point166	16	3,451.0	494.3	0.00						
56 East Iris Ave	45.0	point22	17	2,324.7	447.0	0.00				Average		
		point168	18	2,666.1	443.9	0.00				Average		
		point169	19	3,007.6	440.9	0.00				Average		
		point170	20	3,349.1	437.8	0.00				Average		
		point172	21	3,451.8	437.0	0.00						
17 North Nason St	30.0	point28	22	2,324.7	564.2	0.00				Average		
		point29	23	2,309.3	1,014.3	0.00				Average		
		point30	24	2,204.4	1,415.2	0.00				Average		
		point31	25	2,111.9	1,834.4	0.00				Average		

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	26	2,096.5	2,068.8	0.00				Average	
		point33	27	2,102.7	2,395.6	0.00				Average	
		point34	28	2,155.1	2,642.2	0.00				Average	
		point35	29	2,241.4	2,904.3	0.00				Average	
		point36	30	2,346.3	3,120.1	0.00				Average	
		point37	31	2,552.8	3,483.9	0.00				Average	
		point38	32	2,670.0	3,721.3	0.00				Average	
		point39	33	2,762.5	4,103.6	0.00				Average	
		point40	34	2,796.4	4,356.4	0.00				Average	
		point41	35	2,790.2	4,544.5	0.00				Average	
		point42	36	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	37	2,278.4	564.2	0.00				Average	
		point44	38	2,272.2	940.4	0.00				Average	
		point45	39	2,250.7	1,137.7	0.00				Average	
		point46	40	2,204.4	1,282.6	0.00				Average	
		point47	41	2,108.9	1,637.1	0.00				Average	
		point48	42	2,081.1	1,769.7	0.00				Average	
		point49	43	2,065.7	2,007.1	0.00				Average	
		point50	44	2,065.7	2,349.3	0.00				Average	
		point51	45	2,074.9	2,497.3	0.00				Average	
		point52	46	2,148.9	2,750.1	0.00				Average	
		point53	47	2,256.8	3,030.7	0.00				Average	
		point54	48	2,423.3	3,317.4	0.00				Average	
		point55	49	2,522.0	3,490.1	0.00				Average	
		point56	50	2,596.0	3,656.6	0.00				Average	
		point57	51	2,673.1	3,866.2	0.00				Average	
		point58	52	2,688.5	3,927.9	0.00				Average	
		point59	53	2,737.8	4,174.5	0.00				Average	
		point60	54	2,740.9	4,273.2	0.00				Average	
		point61	55	2,747.0	4,470.5	0.00				Average	
		point62	56	2,747.0	4,994.7	0.00				Average	
		point63	57	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	58	6.2	5,800.7	0.00				Average	
		point65	59	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	60	0.0	5,769.8	0.00				Average	
		point67	61	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	62	2,839.5	5,813.0	0.00				Average	
		point69	63	3,379.1	5,806.9	0.00				Average	
		point70	64	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	65	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	66	2,848.8	5,788.4	0.00				Average	
		point73	67	3,360.6	5,782.2	0.00				Average	
		point74	68	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	69	5,438.0	5,806.9	0.00				Average	
		point76	70	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	71	5,450.3	5,785.3	0.00				Average	
		point78	72	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	73	8,109.8	5,809.9	0.00				Average	
		point80	74	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	75	8,119.1	5,785.3	0.00				Average	
		point82	76	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	77	5,372.0	5,769.8	0.00				Average	
		point84	78	5,381.3	4,903.5	0.00				Average	
		point85	79	5,375.1	4,666.1	0.00				Average	
		point86	80	5,381.3	4,105.0	0.00				Average	
		point87	81	5,378.2	3,476.0	0.00				Average	
		point88	82	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	83	5,409.0	5,766.8	0.00				Average	
		point90	84	5,412.1	5,119.3	0.00				Average	
		point91	85	5,409.0	4,789.4	0.00				Average	
		point92	86	5,409.0	4,367.0	0.00				Average	
		point93	87	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	88	5,412.1	3,122.7	0.00				Average	
		point95	89	5,415.2	2,543.1	0.00				Average	
		point96	90	5,424.4	2,068.3	0.00				Average	
		point97	91	5,421.3	1,834.0	0.00				Average	
		point98	92	5,424.4	1,362.2	0.00				Average	
		point99	93	5,430.6	1,090.9	0.00				Average	
		point100	94	5,427.5	970.7	0.00				Average	
		point101	95	5,430.6	773.4	0.00				Average	
		point102	96	5,412.1	582.2	0.00				Average	
		point103	97	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	98	5,375.1	3,122.6	0.00				Average	
		point105	99	5,390.5	2,469.0	0.00				Average	
		point106	100	5,390.5	2,012.7	0.00				Average	
		point107	101	5,390.5	1,577.9	0.00				Average	
		point108	102	5,396.7	1,143.2	0.00				Average	
		point109	103	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	104	5,399.8	742.4	0.00				Average	
		point111	105	5,387.4	634.5	0.00				Average	
		point112	106	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	107	5,396.7	391.6	0.00				Average	
		point114	108	5,772.8	317.6	0.00				Average	
		point115	109	5,865.3	302.1	0.00				Average	
		point116	110	6,056.5	289.8	0.00				Average	
		point117	111	6,198.3	296.0	0.00				Average	
		point118	112	6,306.2	308.3	0.00				Average	
		point119	113	6,404.9	326.8	0.00				Average	
		point120	114	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	115	5,409.0	447.0	0.00				Average	
		point134	116	5,779.0	373.1	0.00				Average	
		point135	117	6,139.7	354.6	0.00				Average	
		point136	118	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	119	5,427.5	3,154.6	0.00				Average	
		point149	120	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	121	5,449.1	3,117.7	0.00				Average	
		point151	122	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	123	8,014.2	3,177.0	0.00				Average	
		point153	124	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	125	8,079.0	3,183.1	0.00				Average	
		point155	126	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	127	6,567.1	295.4	0.00				Average	
		point157	128	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	129	3,459.4	516.3	0.00				Average	
		point159	130	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	131	4,095.1	516.3	0.00				Average	
		point161	132	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	133	4,749.0	523.1	0.00				Average	
		point163	134	4,744.5	798.1	0.00					
Roadway29	12.0	point164	135	1,471.7	398.7	0.00				Average	
		point165	136	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	137	1,469.1	489.5	0.00				Average	
		point8	138	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	139	1,474.1	426.4	0.00				Average	
		point15	140	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	141	3,451.0	494.3	0.00				Average	
		point167	142	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	143	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	144	3,451.8	437.0	0.00				Average	
		point171	145	3,519.8	436.2	0.00				Average	
		point23	146	3,690.5	434.7	0.00				Average	
		point24	147	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	148	4,095.1	496.4	0.00				Average	
		point19	149	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	150	4,103.1	431.6	0.00				Average	
		point25	151	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	152	4,766.5	493.3	0.00				Average	
		point20	153	5,188.9	490.2	0.00				Average	
		point21	154	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	155	4,761.4	426.8	0.00				Average	
		point26	156	5,247.4	422.4	0.00				Average	
		point27	157	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	158	6,531.3	403.9	0.00				Average	
		point137	159	6,787.2	487.1	0.00				Average	
		point138	160	7,003.0	592.0	0.00				Average	
		point139	161	7,274.3	764.6	0.00				Average	
		point140	162	7,490.1	958.9	0.00				Average	
		point141	163	7,656.6	1,162.3	0.00				Average	
		point142	164	7,727.5	1,261.0	0.00				Average	
		point143	165	7,863.2	1,513.8	0.00				Average	
		point144	166	7,980.3	1,856.0	0.00				Average	
		point145	167	8,017.3	2,084.2	0.00				Average	
		point146	168	8,023.5	2,688.5	0.00				Average	
		point147	169	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	170	6,555.9	348.4	0.00				Average	
		point121	171	6,910.5	471.7	0.00				Average	
		point122	172	7,218.8	638.2	0.00				Average	
		point123	173	7,471.6	854.0	0.00				Average	
		point124	174	7,588.8	965.0	0.00				Average	
		point125	175	7,653.5	1,045.2	0.00				Average	
		point126	176	7,776.8	1,230.2	0.00				Average	
		point127	177	7,927.9	1,516.9	0.00				Average	
		point128	178	8,035.8	1,840.6	0.00				Average	
		point129	179	8,069.7	2,081.1	0.00				Average	
		point130	180	8,079.0	2,364.7	0.00				Average	
		point131	181	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	182	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	Phase 2 with Project											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	2091	50	43	50	22	50	0	0	0	0
	point2	2	2091	50	43	50	22	50	0	0	0	0
	point3	3	2091	50	43	50	22	50	0	0	0	0
	point4	4	2091	50	43	50	22	50	0	0	0	0
	point5	5	2091	50	43	50	22	50	0	0	0	0
	point6	6	2091	50	43	50	22	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	8	2091	50	43	50	22	50	0	0	0	0
	point10	9	2091	50	43	50	22	50	0	0	0	0
	point11	10	2091	50	43	50	22	50	0	0	0	0
	point12	11	2091	50	43	50	22	50	0	0	0	0
	point13	12	2091	50	43	50	22	50	0	0	0	0
	point14	13										
56 West Iris Ave	point16	14	1711	50	35	50	18	50	0	0	0	0
	point17	15	1711	50	35	50	18	50	0	0	0	0
	point166	16										
56 East Iris Ave	point22	17	1711	50	35	50	18	50	0	0	0	0
	point168	18	1711	50	35	50	18	50	0	0	0	0
	point169	19	1711	50	35	50	18	50	0	0	0	0
	point170	20	1711	50	35	50	18	50	0	0	0	0
	point172	21										
17 North Nason St	point28	22	1077	35	22	35	11	35	0	0	0	0
	point29	23	1077	35	22	35	11	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	24	1077	35	22	35	11	35	0	0	0	0
	point31	25	1077	35	22	35	11	35	0	0	0	0
	point32	26	1077	35	22	35	11	35	0	0	0	0
	point33	27	1077	35	22	35	11	35	0	0	0	0
	point34	28	1077	35	22	35	11	35	0	0	0	0
	point35	29	1077	35	22	35	11	35	0	0	0	0
	point36	30	1077	35	22	35	11	35	0	0	0	0
	point37	31	1077	35	22	35	11	35	0	0	0	0
	point38	32	1077	35	22	35	11	35	0	0	0	0
	point39	33	1077	35	22	35	11	35	0	0	0	0
	point40	34	1077	35	22	35	11	35	0	0	0	0
	point41	35	1077	35	22	35	11	35	0	0	0	0
	point42	36										
17 South Nason St	point43	37	1077	35	22	35	11	35	0	0	0	0
	point44	38	1077	35	22	35	11	35	0	0	0	0
	point45	39	1077	35	22	35	11	35	0	0	0	0
	point46	40	1077	35	22	35	11	35	0	0	0	0
	point47	41	1077	35	22	35	11	35	0	0	0	0
	point48	42	1077	35	22	35	11	35	0	0	0	0
	point49	43	1077	35	22	35	11	35	0	0	0	0
	point50	44	1077	35	22	35	11	35	0	0	0	0
	point51	45	1077	35	22	35	11	35	0	0	0	0
	point52	46	1077	35	22	35	11	35	0	0	0	0
	point53	47	1077	35	22	35	11	35	0	0	0	0
	point54	48	1077	35	22	35	11	35	0	0	0	0
	point55	49	1077	35	22	35	11	35	0	0	0	0
	point56	50	1077	35	22	35	11	35	0	0	0	0
	point57	51	1077	35	22	35	11	35	0	0	0	0
	point58	52	1077	35	22	35	11	35	0	0	0	0
	point59	53	1077	35	22	35	11	35	0	0	0	0
	point60	54	1077	35	22	35	11	35	0	0	0	0
	point61	55	1077	35	22	35	11	35	0	0	0	0
	point62	56	1077	35	22	35	11	35	0	0	0	0
	point63	57										
46 West Cactus Ave	point64	58	1049	45	22	45	11	45	0	0	0	0
	point65	59										

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

46 East Cactus Ave	point66	60	1049	45	22	45	11	45	0	0	0	0
	point67	61										
Roadway9	point68	62	0	0	0	0	0	0	0	0	0	0
	point69	63	0	0	0	0	0	0	0	0	0	0
	point70	64	0	0	0	0	0	0	0	0	0	0
	point71	65										
Roadway10	point72	66	0	0	0	0	0	0	0	0	0	0
	point73	67	0	0	0	0	0	0	0	0	0	0
	point74	68										
Roadway11	point75	69	0	0	0	0	0	0	0	0	0	0
	point76	70										
Roadway12	point77	71	0	0	0	0	0	0	0	0	0	0
	point78	72										
Roadway13	point79	73	0	0	0	0	0	0	0	0	0	0
	point80	74										
Roadway14	point81	75	0	0	0	0	0	0	0	0	0	0
	point82	76										
19 South Oliver Dr	point83	77	276	45	6	45	3	45	0	0	0	0
	point84	78	276	45	6	45	3	45	0	0	0	0
	point85	79	276	45	6	45	3	45	0	0	0	0
	point86	80	276	45	6	45	3	45	0	0	0	0
	point87	81	276	45	6	45	3	45	0	0	0	0
	point88	82										
19 North Oliver	point89	83	276	45	6	45	3	45	0	0	0	0
	point90	84	276	45	6	45	3	45	0	0	0	0
	point91	85	276	45	6	45	3	45	0	0	0	0
	point92	86	276	45	6	45	3	45	0	0	0	0
	point93	87										
20 North Oliver St	point94	88	181	45	4	45	2	45	0	0	0	0
	point95	89	181	45	4	45	2	45	0	0	0	0
	point96	90	181	45	4	45	2	45	0	0	0	0
	point97	91	181	45	4	45	2	45	0	0	0	0
	point98	92	181	45	4	45	2	45	0	0	0	0
	point99	93	181	45	4	45	2	45	0	0	0	0
	point100	94	181	45	4	45	2	45	0	0	0	0
	point101	95	181	45	4	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	96	181	45	4	45	2	45	0	0	0	0
	point103	97										
20 South Oliver	point104	98	181	45	4	45	2	45	0	0	0	0
	point105	99	181	45	4	45	2	45	0	0	0	0
	point106	100	181	45	4	45	2	45	0	0	0	0
	point107	101	181	45	4	45	2	45	0	0	0	0
	point108	102	181	45	4	45	2	45	0	0	0	0
	point109	103	181	45	4	45	2	45	0	0	0	0
	point110	104	181	45	4	45	2	45	0	0	0	0
	point111	105	181	45	4	45	2	45	0	0	0	0
	point112	106										
60 East Iris Ave	point113	107	1172	50	24	50	12	50	0	0	0	0
	point114	108	1172	50	24	50	12	50	0	0	0	0
	point115	109	1172	50	24	50	12	50	0	0	0	0
	point116	110	1172	50	24	50	12	50	0	0	0	0
	point117	111	1172	50	24	50	12	50	0	0	0	0
	point118	112	1172	50	24	50	12	50	0	0	0	0
	point119	113	1172	50	24	50	12	50	0	0	0	0
	point120	114										
60 West Iris Ave	point133	115	1172	50	24	50	12	50	0	0	0	0
	point134	116	1172	50	24	50	12	50	0	0	0	0
	point135	117	1172	50	24	50	12	50	0	0	0	0
	point136	118										
47 West John F Kennedy Dr	point148	119	135	35	3	35	1	35	0	0	0	0
	point149	120										
47 East John F Kennedy Dr	point150	121	135	35	3	35	1	35	0	0	0	0
	point151	122										
25 South Moreno Beach Dr	point152	123	960	55	20	55	10	55	0	0	0	0
	point153	124										
25 North Moreno Beach Dr	point154	125	960	55	20	55	10	55	0	0	0	0
	point155	126										
Roadway25	point156	127	0	0	0	0	0	0	0	0	0	0
	point157	128										
Driveway 1	point158	129	0	0	0	0	0	0	0	0	0	0
	point159	130										
Driveway 2	point160	131	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	132										
Driveway 3	point162	133	0	0	0	0	0	0	0	0	0	0
	point163	134										
Roadway29	point164	135	0	0	0	0	0	0	0	0	0	0
	point165	136										
55 West Iris Ave	point173	137	2011	50	41	50	21	50	0	0	0	0
	point8	138										
55 East Iris Ave	point174	139	2011	50	41	50	21	50	0	0	0	0
	point15	140										
57 West Iris	point175	141	1607	50	33	50	17	50	0	0	0	0
	point167	142	1607	50	33	50	17	50	0	0	0	0
	point18	143										
57 East Iris Ave	point176	144	1607	50	33	50	17	50	0	0	0	0
	point171	145	1607	50	33	50	17	50	0	0	0	0
	point23	146	1607	50	33	50	17	50	0	0	0	0
	point24	147										
58 West Iris	point177	148	1359	50	28	50	14	50	0	0	0	0
	point19	149										
58 East Iris Ave	point178	150	1359	50	28	50	14	50	0	0	0	0
	point25	151										
59 West Iris Ave	point179	152	1328	50	27	50	14	50	0	0	0	0
	point20	153	1328	50	27	50	14	50	0	0	0	0
	point21	154										
59 East Iris Ave	point180	155	1328	50	27	50	14	50	0	0	0	0
	point26	156	1328	50	27	50	14	50	0	0	0	0
	point27	157										
26 West Moreno Beach DR	point181	158	1248	55	26	55	13	55	0	0	0	0
	point137	159	1248	55	26	55	13	55	0	0	0	0
	point138	160	1248	55	26	55	13	55	0	0	0	0
	point139	161	1248	55	26	55	13	55	0	0	0	0
	point140	162	1248	55	26	55	13	55	0	0	0	0
	point141	163	1248	55	26	55	13	55	0	0	0	0
	point142	164	1248	55	26	55	13	55	0	0	0	0
	point143	165	1248	55	26	55	13	55	0	0	0	0
	point144	166	1248	55	26	55	13	55	0	0	0	0
	point145	167	1248	55	26	55	13	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point146	168	1248	55	26	55	13	55	0	0	0	0
	point147	169										
26 East Moreno Beach Dr	point182	170	1248	55	26	55	13	55	0	0	0	0
	point121	171	1248	55	26	55	13	55	0	0	0	0
	point122	172	1248	55	26	55	13	55	0	0	0	0
	point123	173	1248	55	26	55	13	55	0	0	0	0
	point124	174	1248	55	26	55	13	55	0	0	0	0
	point125	175	1248	55	26	55	13	55	0	0	0	0
	point126	176	1248	55	26	55	13	55	0	0	0	0
	point127	177	1248	55	26	55	13	55	0	0	0	0
	point128	178	1248	55	26	55	13	55	0	0	0	0
	point129	179	1248	55	26	55	13	55	0	0	0	0
	point130	180	1248	55	26	55	13	55	0	0	0	0
	point131	181	1248	55	26	55	13	55	0	0	0	0
	point132	182										

INPUT: RECEIVERS
Kaiser Moreno Valley

Dudek						20 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		Phase 2 with Project									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,456.9	1,835.9	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,450.6	1,101.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y
M1	8	1	4,643.7	1,082.2	0.00	4.92	0.00	66	10.0	8.0	Y
M2	9	1	3,978.9	677.8	0.00	4.92	0.00	66	10.0	8.0	Y
M3	10	1	4,245.6	682.1	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	51.9	66	51.9	10	----	51.9	0.0	8	-8.0	
ST5	2	1	0.0	64.2	66	64.2	10	----	64.2	0.0	8	-8.0	
ST2	3	1	0.0	66.8	66	66.8	10	Snd Lvl	66.8	0.0	8	-8.0	
ST6	4	1	0.0	54.8	66	54.8	10	----	54.8	0.0	8	-8.0	
ST3	5	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0	
ST1	6	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0	
M1	8	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0	
M2	9	1	0.0	66.7	66	66.7	10	Snd Lvl	66.7	0.0	8	-8.0	
M3	10	1	0.0	66.0	66	66.0	10	Snd Lvl	66.0	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		9	0.0	0.0	0.0								
All Impacted		5	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek											
CB											
INPUT: ROADWAYS								Average pavement type shall be used unless			
PROJECT/CONTRACT:				Kaiser Moreno Valley				a State highway agency substantiates the use			
RUN:				2040 with Project				of a different type with the approval of FHWA			
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average	
		point2	2	388.5	175.7	0.00				Average	
		point3	3	576.5	274.4	0.00				Average	
		point4	4	647.4	314.5	0.00				Average	
		point5	5	943.4	425.5	0.00				Average	
		point6	6	1,214.7	474.8	0.00				Average	
		point7	7	1,469.1	489.5	0.00					
54 East Iris Ave	45.0	point9	8	314.5	55.5	0.00				Average	
		point10	9	570.4	203.5	0.00				Average	
		point11	10	776.9	296.0	0.00				Average	
		point12	11	915.7	351.5	0.00				Average	
		point13	12	1,230.2	419.3	0.00				Average	
		point14	13	1,474.1	426.4	0.00					
56 West Iris Ave	45.0	point16	14	2,330.8	505.6	0.00				Average	
		point17	15	3,172.5	493.3	0.00				Average	
		point166	16	3,451.0	494.3	0.00					
56 East Iris Ave	45.0	point22	17	2,324.7	447.0	0.00				Average	
		point168	18	2,666.1	443.9	0.00				Average	
		point169	19	3,007.6	440.9	0.00				Average	
		point170	20	3,349.1	437.8	0.00				Average	
		point172	21	3,451.8	437.0	0.00					
17 North Nason St	30.0	point28	22	2,324.7	564.2	0.00				Average	
		point29	23	2,309.3	1,014.3	0.00				Average	
		point30	24	2,204.4	1,415.2	0.00				Average	
		point31	25	2,111.9	1,834.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	26	2,096.5	2,068.8	0.00				Average	
		point33	27	2,102.7	2,395.6	0.00				Average	
		point34	28	2,155.1	2,642.2	0.00				Average	
		point35	29	2,241.4	2,904.3	0.00				Average	
		point36	30	2,346.3	3,120.1	0.00				Average	
		point37	31	2,552.8	3,483.9	0.00				Average	
		point38	32	2,670.0	3,721.3	0.00				Average	
		point39	33	2,762.5	4,103.6	0.00				Average	
		point40	34	2,796.4	4,356.4	0.00				Average	
		point41	35	2,790.2	4,544.5	0.00				Average	
		point42	36	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	37	2,278.4	564.2	0.00				Average	
		point44	38	2,272.2	940.4	0.00				Average	
		point45	39	2,250.7	1,137.7	0.00				Average	
		point46	40	2,204.4	1,282.6	0.00				Average	
		point47	41	2,108.9	1,637.1	0.00				Average	
		point48	42	2,081.1	1,769.7	0.00				Average	
		point49	43	2,065.7	2,007.1	0.00				Average	
		point50	44	2,065.7	2,349.3	0.00				Average	
		point51	45	2,074.9	2,497.3	0.00				Average	
		point52	46	2,148.9	2,750.1	0.00				Average	
		point53	47	2,256.8	3,030.7	0.00				Average	
		point54	48	2,423.3	3,317.4	0.00				Average	
		point55	49	2,522.0	3,490.1	0.00				Average	
		point56	50	2,596.0	3,656.6	0.00				Average	
		point57	51	2,673.1	3,866.2	0.00				Average	
		point58	52	2,688.5	3,927.9	0.00				Average	
		point59	53	2,737.8	4,174.5	0.00				Average	
		point60	54	2,740.9	4,273.2	0.00				Average	
		point61	55	2,747.0	4,470.5	0.00				Average	
		point62	56	2,747.0	4,994.7	0.00				Average	
		point63	57	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	58	6.2	5,800.7	0.00				Average	
		point65	59	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	60	0.0	5,769.8	0.00				Average	
		point67	61	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	62	2,839.5	5,813.0	0.00				Average	
		point69	63	3,379.1	5,806.9	0.00				Average	
		point70	64	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	65	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	66	2,848.8	5,788.4	0.00				Average	
		point73	67	3,360.6	5,782.2	0.00				Average	
		point74	68	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	69	5,438.0	5,806.9	0.00				Average	
		point76	70	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	71	5,450.3	5,785.3	0.00				Average	
		point78	72	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	73	8,109.8	5,809.9	0.00				Average	
		point80	74	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	75	8,119.1	5,785.3	0.00				Average	
		point82	76	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	77	5,372.0	5,769.8	0.00				Average	
		point84	78	5,381.3	4,903.5	0.00				Average	
		point85	79	5,375.1	4,666.1	0.00				Average	
		point86	80	5,381.3	4,105.0	0.00				Average	
		point87	81	5,378.2	3,476.0	0.00				Average	
		point88	82	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	83	5,409.0	5,766.8	0.00				Average	
		point90	84	5,412.1	5,119.3	0.00				Average	
		point91	85	5,409.0	4,789.4	0.00				Average	
		point92	86	5,409.0	4,367.0	0.00				Average	
		point93	87	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	88	5,412.1	3,122.7	0.00				Average	
		point95	89	5,415.2	2,543.1	0.00				Average	
		point96	90	5,424.4	2,068.3	0.00				Average	
		point97	91	5,421.3	1,834.0	0.00				Average	
		point98	92	5,424.4	1,362.2	0.00				Average	
		point99	93	5,430.6	1,090.9	0.00				Average	
		point100	94	5,427.5	970.7	0.00				Average	
		point101	95	5,430.6	773.4	0.00				Average	
		point102	96	5,412.1	582.2	0.00				Average	
		point103	97	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	98	5,375.1	3,122.6	0.00				Average	
		point105	99	5,390.5	2,469.0	0.00				Average	
		point106	100	5,390.5	2,012.7	0.00				Average	
		point107	101	5,390.5	1,577.9	0.00				Average	
		point108	102	5,396.7	1,143.2	0.00				Average	
		point109	103	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	104	5,399.8	742.4	0.00				Average	
		point111	105	5,387.4	634.5	0.00				Average	
		point112	106	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	107	5,396.7	391.6	0.00				Average	
		point114	108	5,772.8	317.6	0.00				Average	
		point115	109	5,865.3	302.1	0.00				Average	
		point116	110	6,056.5	289.8	0.00				Average	
		point117	111	6,198.3	296.0	0.00				Average	
		point118	112	6,306.2	308.3	0.00				Average	
		point119	113	6,404.9	326.8	0.00				Average	
		point120	114	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	115	5,409.0	447.0	0.00				Average	
		point134	116	5,779.0	373.1	0.00				Average	
		point135	117	6,139.7	354.6	0.00				Average	
		point136	118	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	119	5,427.5	3,154.6	0.00				Average	
		point149	120	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	121	5,449.1	3,117.7	0.00				Average	
		point151	122	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	123	8,014.2	3,177.0	0.00				Average	
		point153	124	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	125	8,079.0	3,183.1	0.00				Average	
		point155	126	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	127	6,567.1	295.4	0.00				Average	
		point157	128	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	129	3,459.4	516.3	0.00				Average	
		point159	130	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	131	4,095.1	516.3	0.00				Average	
		point161	132	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	133	4,749.0	523.1	0.00				Average	
		point163	134	4,744.5	798.1	0.00					
Roadway29	12.0	point164	135	1,471.7	398.7	0.00				Average	
		point165	136	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	137	1,469.1	489.5	0.00				Average	
		point8	138	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	139	1,474.1	426.4	0.00				Average	
		point15	140	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	141	3,451.0	494.3	0.00				Average	
		point167	142	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	143	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	144	3,451.8	437.0	0.00				Average	
		point171	145	3,519.8	436.2	0.00				Average	
		point23	146	3,690.5	434.7	0.00				Average	
		point24	147	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	148	4,095.1	496.4	0.00				Average	
		point19	149	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	150	4,103.1	431.6	0.00				Average	
		point25	151	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	152	4,766.5	493.3	0.00				Average	
		point20	153	5,188.9	490.2	0.00				Average	
		point21	154	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	155	4,761.4	426.8	0.00				Average	
		point26	156	5,247.4	422.4	0.00				Average	
		point27	157	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	158	6,531.3	403.9	0.00				Average	
		point137	159	6,787.2	487.1	0.00				Average	
		point138	160	7,003.0	592.0	0.00				Average	
		point139	161	7,274.3	764.6	0.00				Average	
		point140	162	7,490.1	958.9	0.00				Average	
		point141	163	7,656.6	1,162.3	0.00				Average	
		point142	164	7,727.5	1,261.0	0.00				Average	
		point143	165	7,863.2	1,513.8	0.00				Average	
		point144	166	7,980.3	1,856.0	0.00				Average	
		point145	167	8,017.3	2,084.2	0.00				Average	
		point146	168	8,023.5	2,688.5	0.00				Average	
		point147	169	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	170	6,555.9	348.4	0.00				Average	
		point121	171	6,910.5	471.7	0.00				Average	
		point122	172	7,218.8	638.2	0.00				Average	
		point123	173	7,471.6	854.0	0.00				Average	
		point124	174	7,588.8	965.0	0.00				Average	
		point125	175	7,653.5	1,045.2	0.00				Average	
		point126	176	7,776.8	1,230.2	0.00				Average	
		point127	177	7,927.9	1,516.9	0.00				Average	
		point128	178	8,035.8	1,840.6	0.00				Average	
		point129	179	8,069.7	2,081.1	0.00				Average	
		point130	180	8,079.0	2,364.7	0.00				Average	
		point131	181	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	182	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	2040 with Project											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	2617	50	54	50	27	50	0	0	0	0
	point2	2	2617	50	54	50	27	50	0	0	0	0
	point3	3	2617	50	54	50	27	50	0	0	0	0
	point4	4	2617	50	54	50	27	50	0	0	0	0
	point5	5	2617	50	54	50	27	50	0	0	0	0
	point6	6	2617	50	54	50	27	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	8	2617	50	54	50	27	50	0	0	0	0
	point10	9	2617	50	54	50	27	50	0	0	0	0
	point11	10	2617	50	54	50	27	50	0	0	0	0
	point12	11	2617	50	54	50	27	50	0	0	0	0
	point13	12	2617	50	54	50	27	50	0	0	0	0
	point14	13										
56 West Iris Ave	point16	14	2216	50	46	50	23	50	0	0	0	0
	point17	15	2216	50	46	50	23	50	0	0	0	0
	point166	16										
56 East Iris Ave	point22	17	2216	50	46	50	23	50	0	0	0	0
	point168	18	2216	50	46	50	23	50	0	0	0	0
	point169	19	2216	50	46	50	23	50	0	0	0	0
	point170	20	2216	50	46	50	23	50	0	0	0	0
	point172	21										
17 North Nason St	point28	22	1406	35	29	35	14	35	0	0	0	0
	point29	23	1406	35	29	35	14	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	24	1406	35	29	35	14	35	0	0	0	0
	point31	25	1406	35	29	35	14	35	0	0	0	0
	point32	26	1406	35	29	35	14	35	0	0	0	0
	point33	27	1406	35	29	35	14	35	0	0	0	0
	point34	28	1406	35	29	35	14	35	0	0	0	0
	point35	29	1406	35	29	35	14	35	0	0	0	0
	point36	30	1406	35	29	35	14	35	0	0	0	0
	point37	31	1406	35	29	35	14	35	0	0	0	0
	point38	32	1406	35	29	35	14	35	0	0	0	0
	point39	33	1406	35	29	35	14	35	0	0	0	0
	point40	34	1406	35	29	35	14	35	0	0	0	0
	point41	35	1406	35	29	35	14	35	0	0	0	0
	point42	36										
17 South Nason St	point43	37	1406	35	29	35	14	35	0	0	0	0
	point44	38	1406	35	29	35	14	35	0	0	0	0
	point45	39	1406	35	29	35	14	35	0	0	0	0
	point46	40	1406	35	29	35	14	35	0	0	0	0
	point47	41	1406	35	29	35	14	35	0	0	0	0
	point48	42	1406	35	29	35	14	35	0	0	0	0
	point49	43	1406	35	29	35	14	35	0	0	0	0
	point50	44	1406	35	29	35	14	35	0	0	0	0
	point51	45	1406	35	29	35	14	35	0	0	0	0
	point52	46	1406	35	29	35	14	35	0	0	0	0
	point53	47	1406	35	29	35	14	35	0	0	0	0
	point54	48	1406	35	29	35	14	35	0	0	0	0
	point55	49	1406	35	29	35	14	35	0	0	0	0
	point56	50	1406	35	29	35	14	35	0	0	0	0
	point57	51	1406	35	29	35	14	35	0	0	0	0
	point58	52	1406	35	29	35	14	35	0	0	0	0
	point59	53	1406	35	29	35	14	35	0	0	0	0
	point60	54	1406	35	29	35	14	35	0	0	0	0
	point61	55	1406	35	29	35	14	35	0	0	0	0
	point62	56	1406	35	29	35	14	35	0	0	0	0
	point63	57										
46 West Cactus Ave	point64	58	1267	45	26	45	13	45	0	0	0	0
	point65	59										

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

46 East Cactus Ave	point66	60	1267	45	26	45	13	45	0	0	0	0
	point67	61										
Roadway9	point68	62	0	0	0	0	0	0	0	0	0	0
	point69	63	0	0	0	0	0	0	0	0	0	0
	point70	64	0	0	0	0	0	0	0	0	0	0
	point71	65										
Roadway10	point72	66	0	0	0	0	0	0	0	0	0	0
	point73	67	0	0	0	0	0	0	0	0	0	0
	point74	68										
Roadway11	point75	69	0	0	0	0	0	0	0	0	0	0
	point76	70										
Roadway12	point77	71	0	0	0	0	0	0	0	0	0	0
	point78	72										
Roadway13	point79	73	0	0	0	0	0	0	0	0	0	0
	point80	74										
Roadway14	point81	75	0	0	0	0	0	0	0	0	0	0
	point82	76										
19 South Oliver Dr	point83	77	322	45	7	45	3	45	0	0	0	0
	point84	78	322	45	7	45	3	45	0	0	0	0
	point85	79	322	45	7	45	3	45	0	0	0	0
	point86	80	322	45	7	45	3	45	0	0	0	0
	point87	81	322	45	7	45	3	45	0	0	0	0
	point88	82										
19 North Oliver	point89	83	322	45	7	45	3	45	0	0	0	0
	point90	84	322	45	7	45	3	45	0	0	0	0
	point91	85	322	45	7	45	3	45	0	0	0	0
	point92	86	322	45	7	45	3	45	0	0	0	0
	point93	87										
20 North Oliver St	point94	88	218	45	4	45	2	45	0	0	0	0
	point95	89	218	45	4	45	2	45	0	0	0	0
	point96	90	218	45	4	45	2	45	0	0	0	0
	point97	91	218	45	4	45	2	45	0	0	0	0
	point98	92	218	45	4	45	2	45	0	0	0	0
	point99	93	218	45	4	45	2	45	0	0	0	0
	point100	94	218	45	4	45	2	45	0	0	0	0
	point101	95	218	45	4	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	96	218	45	4	45	2	45	0	0	0	0
	point103	97										
20 South Oliver	point104	98	218	45	4	45	2	45	0	0	0	0
	point105	99	218	45	4	45	2	45	0	0	0	0
	point106	100	218	45	4	45	2	45	0	0	0	0
	point107	101	218	45	4	45	2	45	0	0	0	0
	point108	102	218	45	4	45	2	45	0	0	0	0
	point109	103	218	45	4	45	2	45	0	0	0	0
	point110	104	218	45	4	45	2	45	0	0	0	0
	point111	105	218	45	4	45	2	45	0	0	0	0
	point112	106										
60 East Iris Ave	point113	107	1488	50	31	50	15	50	0	0	0	0
	point114	108	1488	50	31	50	15	50	0	0	0	0
	point115	109	1488	50	31	50	15	50	0	0	0	0
	point116	110	1488	50	31	50	15	50	0	0	0	0
	point117	111	1488	50	31	50	15	50	0	0	0	0
	point118	112	1488	50	31	50	15	50	0	0	0	0
	point119	113	1488	50	31	50	15	50	0	0	0	0
	point120	114										
60 West Iris Ave	point133	115	1488	50	31	50	15	50	0	0	0	0
	point134	116	1488	50	31	50	15	50	0	0	0	0
	point135	117	1488	50	31	50	15	50	0	0	0	0
	point136	118										
47 West John F Kennedy Dr	point148	119	140	35	3	35	1	35	0	0	0	0
	point149	120										
47 East John F Kennedy Dr	point150	121	140	35	3	35	1	35	0	0	0	0
	point151	122										
25 South Moreno Beach Dr	point152	123	1150	55	24	55	12	55	0	0	0	0
	point153	124										
25 North Moreno Beach Dr	point154	125	1150	55	24	55	12	55	0	0	0	0
	point155	126										
Roadway25	point156	127	0	0	0	0	0	0	0	0	0	0
	point157	128										
Driveway 1	point158	129	0	0	0	0	0	0	0	0	0	0
	point159	130										
Driveway 2	point160	131	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	132										
Driveway 3	point162	133	0	0	0	0	0	0	0	0	0	0
	point163	134										
Roadway29	point164	135	0	0	0	0	0	0	0	0	0	0
	point165	136										
55 West Iris Ave	point173	137	2537	50	52	50	26	50	0	0	0	0
	point8	138										
55 East Iris Ave	point174	139	2537	50	52	50	26	50	0	0	0	0
	point15	140										
57 West Iris	point175	141	2059	50	42	50	21	50	0	0	0	0
	point167	142	2059	50	42	50	21	50	0	0	0	0
	point18	143										
57 East Iris Ave	point176	144	2059	50	42	50	21	50	0	0	0	0
	point171	145	2059	50	42	50	21	50	0	0	0	0
	point23	146	2059	50	42	50	21	50	0	0	0	0
	point24	147										
58 West Iris	point177	148	1717	50	35	50	18	50	0	0	0	0
	point19	149										
58 East Iris Ave	point178	150	1717	50	35	50	18	50	0	0	0	0
	point25	151										
59 West Iris Ave	point179	152	1685	50	35	50	17	50	0	0	0	0
	point20	153	1685	50	35	50	17	50	0	0	0	0
	point21	154										
59 East Iris Ave	point180	155	1685	50	35	50	17	50	0	0	0	0
	point26	156	1685	50	35	50	17	50	0	0	0	0
	point27	157										
26 West Moreno Beach DR	point181	158	1576	55	32	55	16	55	0	0	0	0
	point137	159	1576	55	32	55	16	55	0	0	0	0
	point138	160	1576	55	32	55	16	55	0	0	0	0
	point139	161	1576	55	32	55	16	55	0	0	0	0
	point140	162	1576	55	32	55	16	55	0	0	0	0
	point141	163	1576	55	32	55	16	55	0	0	0	0
	point142	164	1576	55	32	55	16	55	0	0	0	0
	point143	165	1576	55	32	55	16	55	0	0	0	0
	point144	166	1576	55	32	55	16	55	0	0	0	0
	point145	167	1576	55	32	55	16	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

	point146	168	1576	55	32	55	16	55	0	0	0	0
	point147	169										
26 East Moreno Beach Dr	point182	170	1576	55	32	55	16	55	0	0	0	0
	point121	171	1576	55	32	55	16	55	0	0	0	0
	point122	172	1576	55	32	55	16	55	0	0	0	0
	point123	173	1576	55	32	55	16	55	0	0	0	0
	point124	174	1576	55	32	55	16	55	0	0	0	0
	point125	175	1576	55	32	55	16	55	0	0	0	0
	point126	176	1576	55	32	55	16	55	0	0	0	0
	point127	177	1576	55	32	55	16	55	0	0	0	0
	point128	178	1576	55	32	55	16	55	0	0	0	0
	point129	179	1576	55	32	55	16	55	0	0	0	0
	point130	180	1576	55	32	55	16	55	0	0	0	0
	point131	181	1576	55	32	55	16	55	0	0	0	0
	point132	182										

INPUT: RECEIVERS
Kaiser Moreno Valley

Dudek						20 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		2040 with Project									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,456.9	1,835.9	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,450.6	1,101.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y
M1	8	1	4,643.7	1,082.2	0.00	4.92	0.00	66	10.0	8.0	Y
M2	9	1	3,978.9	677.8	0.00	4.92	0.00	66	10.0	8.0	Y
M3	10	1	4,245.6	682.1	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	51.7	66	51.7	10	----	51.7	0.0	8	-8.0	
ST5	2	1	0.0	64.1	66	64.1	10	----	64.1	0.0	8	-8.0	
ST2	3	1	0.0	66.7	66	66.7	10	Snd Lvl	66.7	0.0	8	-8.0	
ST6	4	1	0.0	54.6	66	54.6	10	----	54.6	0.0	8	-8.0	
ST3	5	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0	
ST1	6	1	0.0	71.8	66	71.8	10	Snd Lvl	71.8	0.0	8	-8.0	
M1	8	1	0.0	56.1	66	56.1	10	----	56.1	0.0	8	-8.0	
M2	9	1	0.0	66.5	66	66.5	10	Snd Lvl	66.5	0.0	8	-8.0	
M3	10	1	0.0	65.8	66	65.8	10	----	65.8	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		9	0.0	0.0	0.0								
All Impacted		4	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek											
CB											
INPUT: ROADWAYS								Average pavement type shall be used unless			
PROJECT/CONTRACT:				Kaiser Moreno Valley				a State highway agency substantiates the use			
RUN:				Phase 3 with Project				of a different type with the approval of FHWA			
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average	
		point2	2	388.5	175.7	0.00				Average	
		point3	3	576.5	274.4	0.00				Average	
		point4	4	647.4	314.5	0.00				Average	
		point5	5	943.4	425.5	0.00				Average	
		point6	6	1,214.7	474.8	0.00				Average	
		point7	7	1,469.1	489.5	0.00					
54 East Iris Ave	45.0	point9	8	314.5	55.5	0.00				Average	
		point10	9	570.4	203.5	0.00				Average	
		point11	10	776.9	296.0	0.00				Average	
		point12	11	915.7	351.5	0.00				Average	
		point13	12	1,230.2	419.3	0.00				Average	
		point14	13	1,474.1	426.4	0.00					
56 West Iris Ave	45.0	point16	14	2,330.8	505.6	0.00				Average	
		point17	15	3,172.5	493.3	0.00				Average	
		point166	16	3,451.0	494.3	0.00					
56 East Iris Ave	45.0	point22	17	2,324.7	447.0	0.00				Average	
		point168	18	2,666.1	443.9	0.00				Average	
		point169	19	3,007.6	440.9	0.00				Average	
		point170	20	3,349.1	437.8	0.00				Average	
		point172	21	3,451.8	437.0	0.00					
17 North Nason St	30.0	point28	22	2,324.7	564.2	0.00				Average	
		point29	23	2,309.3	1,014.3	0.00				Average	
		point30	24	2,204.4	1,415.2	0.00				Average	
		point31	25	2,111.9	1,834.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	26	2,096.5	2,068.8	0.00				Average	
		point33	27	2,102.7	2,395.6	0.00				Average	
		point34	28	2,155.1	2,642.2	0.00				Average	
		point35	29	2,241.4	2,904.3	0.00				Average	
		point36	30	2,346.3	3,120.1	0.00				Average	
		point37	31	2,552.8	3,483.9	0.00				Average	
		point38	32	2,670.0	3,721.3	0.00				Average	
		point39	33	2,762.5	4,103.6	0.00				Average	
		point40	34	2,796.4	4,356.4	0.00				Average	
		point41	35	2,790.2	4,544.5	0.00				Average	
		point42	36	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	37	2,278.4	564.2	0.00				Average	
		point44	38	2,272.2	940.4	0.00				Average	
		point45	39	2,250.7	1,137.7	0.00				Average	
		point46	40	2,204.4	1,282.6	0.00				Average	
		point47	41	2,108.9	1,637.1	0.00				Average	
		point48	42	2,081.1	1,769.7	0.00				Average	
		point49	43	2,065.7	2,007.1	0.00				Average	
		point50	44	2,065.7	2,349.3	0.00				Average	
		point51	45	2,074.9	2,497.3	0.00				Average	
		point52	46	2,148.9	2,750.1	0.00				Average	
		point53	47	2,256.8	3,030.7	0.00				Average	
		point54	48	2,423.3	3,317.4	0.00				Average	
		point55	49	2,522.0	3,490.1	0.00				Average	
		point56	50	2,596.0	3,656.6	0.00				Average	
		point57	51	2,673.1	3,866.2	0.00				Average	
		point58	52	2,688.5	3,927.9	0.00				Average	
		point59	53	2,737.8	4,174.5	0.00				Average	
		point60	54	2,740.9	4,273.2	0.00				Average	
		point61	55	2,747.0	4,470.5	0.00				Average	
		point62	56	2,747.0	4,994.7	0.00				Average	
		point63	57	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	58	6.2	5,800.7	0.00				Average	
		point65	59	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	60	0.0	5,769.8	0.00				Average	
		point67	61	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	62	2,839.5	5,813.0	0.00				Average	
		point69	63	3,379.1	5,806.9	0.00				Average	
		point70	64	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	65	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	66	2,848.8	5,788.4	0.00				Average	
		point73	67	3,360.6	5,782.2	0.00				Average	
		point74	68	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	69	5,438.0	5,806.9	0.00				Average	
		point76	70	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	71	5,450.3	5,785.3	0.00				Average	
		point78	72	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	73	8,109.8	5,809.9	0.00				Average	
		point80	74	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	75	8,119.1	5,785.3	0.00				Average	
		point82	76	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	77	5,372.0	5,769.8	0.00				Average	
		point84	78	5,381.3	4,903.5	0.00				Average	
		point85	79	5,375.1	4,666.1	0.00				Average	
		point86	80	5,381.3	4,105.0	0.00				Average	
		point87	81	5,378.2	3,476.0	0.00				Average	
		point88	82	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	83	5,409.0	5,766.8	0.00				Average	
		point90	84	5,412.1	5,119.3	0.00				Average	
		point91	85	5,409.0	4,789.4	0.00				Average	
		point92	86	5,409.0	4,367.0	0.00				Average	
		point93	87	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	88	5,412.1	3,122.7	0.00				Average	
		point95	89	5,415.2	2,543.1	0.00				Average	
		point96	90	5,424.4	2,068.3	0.00				Average	
		point97	91	5,421.3	1,834.0	0.00				Average	
		point98	92	5,424.4	1,362.2	0.00				Average	
		point99	93	5,430.6	1,090.9	0.00				Average	
		point100	94	5,427.5	970.7	0.00				Average	
		point101	95	5,430.6	773.4	0.00				Average	
		point102	96	5,412.1	582.2	0.00				Average	
		point103	97	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	98	5,375.1	3,122.6	0.00				Average	
		point105	99	5,390.5	2,469.0	0.00				Average	
		point106	100	5,390.5	2,012.7	0.00				Average	
		point107	101	5,390.5	1,577.9	0.00				Average	
		point108	102	5,396.7	1,143.2	0.00				Average	
		point109	103	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	104	5,399.8	742.4	0.00				Average	
		point111	105	5,387.4	634.5	0.00				Average	
		point112	106	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	107	5,396.7	391.6	0.00				Average	
		point114	108	5,772.8	317.6	0.00				Average	
		point115	109	5,865.3	302.1	0.00				Average	
		point116	110	6,056.5	289.8	0.00				Average	
		point117	111	6,198.3	296.0	0.00				Average	
		point118	112	6,306.2	308.3	0.00				Average	
		point119	113	6,404.9	326.8	0.00				Average	
		point120	114	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	115	5,409.0	447.0	0.00				Average	
		point134	116	5,779.0	373.1	0.00				Average	
		point135	117	6,139.7	354.6	0.00				Average	
		point136	118	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	119	5,427.5	3,154.6	0.00				Average	
		point149	120	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	121	5,449.1	3,117.7	0.00				Average	
		point151	122	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	123	8,014.2	3,177.0	0.00				Average	
		point153	124	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	125	8,079.0	3,183.1	0.00				Average	
		point155	126	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	127	6,567.1	295.4	0.00				Average	
		point157	128	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	129	3,459.4	516.3	0.00				Average	
		point159	130	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	131	4,095.1	516.3	0.00				Average	
		point161	132	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	133	4,749.0	523.1	0.00				Average	
		point163	134	4,744.5	798.1	0.00					
Roadway29	12.0	point164	135	1,471.7	398.7	0.00				Average	
		point165	136	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	137	1,469.1	489.5	0.00				Average	
		point8	138	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	139	1,474.1	426.4	0.00				Average	
		point15	140	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	141	3,451.0	494.3	0.00				Average	
		point167	142	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	143	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	144	3,451.8	437.0	0.00				Average	
		point171	145	3,519.8	436.2	0.00				Average	
		point23	146	3,690.5	434.7	0.00				Average	
		point24	147	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	148	4,095.1	496.4	0.00				Average	
		point19	149	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	150	4,103.1	431.6	0.00				Average	
		point25	151	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	152	4,766.5	493.3	0.00				Average	
		point20	153	5,188.9	490.2	0.00				Average	
		point21	154	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	155	4,761.4	426.8	0.00				Average	
		point26	156	5,247.4	422.4	0.00				Average	
		point27	157	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	158	6,531.3	403.9	0.00				Average	
		point137	159	6,787.2	487.1	0.00				Average	
		point138	160	7,003.0	592.0	0.00				Average	
		point139	161	7,274.3	764.6	0.00				Average	
		point140	162	7,490.1	958.9	0.00				Average	
		point141	163	7,656.6	1,162.3	0.00				Average	
		point142	164	7,727.5	1,261.0	0.00				Average	
		point143	165	7,863.2	1,513.8	0.00				Average	
		point144	166	7,980.3	1,856.0	0.00				Average	
		point145	167	8,017.3	2,084.2	0.00				Average	
		point146	168	8,023.5	2,688.5	0.00				Average	
		point147	169	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	170	6,555.9	348.4	0.00				Average	
		point121	171	6,910.5	471.7	0.00				Average	
		point122	172	7,218.8	638.2	0.00				Average	
		point123	173	7,471.6	854.0	0.00				Average	
		point124	174	7,588.8	965.0	0.00				Average	
		point125	175	7,653.5	1,045.2	0.00				Average	
		point126	176	7,776.8	1,230.2	0.00				Average	
		point127	177	7,927.9	1,516.9	0.00				Average	
		point128	178	8,035.8	1,840.6	0.00				Average	
		point129	179	8,069.7	2,081.1	0.00				Average	
		point130	180	8,079.0	2,364.7	0.00				Average	
		point131	181	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	182	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	Phase 3 with Project											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	2505	50	52	50	26	50	0	0	0	0
	point2	2	2505	50	52	50	26	50	0	0	0	0
	point3	3	2505	50	52	50	26	50	0	0	0	0
	point4	4	2505	50	52	50	26	50	0	0	0	0
	point5	5	2505	50	52	50	26	50	0	0	0	0
	point6	6	2505	50	52	50	26	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	8	2505	50	52	50	26	50	0	0	0	0
	point10	9	2505	50	52	50	26	50	0	0	0	0
	point11	10	2505	50	52	50	26	50	0	0	0	0
	point12	11	2505	50	52	50	26	50	0	0	0	0
	point13	12	2505	50	52	50	26	50	0	0	0	0
	point14	13										
56 West Iris Ave	point16	14	2141	50	44	50	22	50	0	0	0	0
	point17	15	2141	50	44	50	22	50	0	0	0	0
	point166	16										
56 East Iris Ave	point22	17	2141	50	44	50	22	50	0	0	0	0
	point168	18	2141	50	44	50	22	50	0	0	0	0
	point169	19	2141	50	44	50	22	50	0	0	0	0
	point170	20	2141	50	44	50	22	50	0	0	0	0
	point172	21										
17 North Nason St	point28	22	1355	35	28	35	14	35	0	0	0	0
	point29	23	1355	35	28	35	14	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	24	1355	35	28	35	14	35	0	0	0	0
	point31	25	1355	35	28	35	14	35	0	0	0	0
	point32	26	1355	35	28	35	14	35	0	0	0	0
	point33	27	1355	35	28	35	14	35	0	0	0	0
	point34	28	1355	35	28	35	14	35	0	0	0	0
	point35	29	1355	35	28	35	14	35	0	0	0	0
	point36	30	1355	35	28	35	14	35	0	0	0	0
	point37	31	1355	35	28	35	14	35	0	0	0	0
	point38	32	1355	35	28	35	14	35	0	0	0	0
	point39	33	1355	35	28	35	14	35	0	0	0	0
	point40	34	1355	35	28	35	14	35	0	0	0	0
	point41	35	1355	35	28	35	14	35	0	0	0	0
	point42	36										
17 South Nason St	point43	37	1355	35	28	35	14	35	0	0	0	0
	point44	38	1355	35	28	35	14	35	0	0	0	0
	point45	39	1355	35	28	35	14	35	0	0	0	0
	point46	40	1355	35	28	35	14	35	0	0	0	0
	point47	41	1355	35	28	35	14	35	0	0	0	0
	point48	42	1355	35	28	35	14	35	0	0	0	0
	point49	43	1355	35	28	35	14	35	0	0	0	0
	point50	44	1355	35	28	35	14	35	0	0	0	0
	point51	45	1355	35	28	35	14	35	0	0	0	0
	point52	46	1355	35	28	35	14	35	0	0	0	0
	point53	47	1355	35	28	35	14	35	0	0	0	0
	point54	48	1355	35	28	35	14	35	0	0	0	0
	point55	49	1355	35	28	35	14	35	0	0	0	0
	point56	50	1355	35	28	35	14	35	0	0	0	0
	point57	51	1355	35	28	35	14	35	0	0	0	0
	point58	52	1355	35	28	35	14	35	0	0	0	0
	point59	53	1355	35	28	35	14	35	0	0	0	0
	point60	54	1355	35	28	35	14	35	0	0	0	0
	point61	55	1355	35	28	35	14	35	0	0	0	0
	point62	56	1355	35	28	35	14	35	0	0	0	0
	point63	57										
46 West Cactus Ave	point64	58	1226	45	25	45	13	45	0	0	0	0
	point65	59										

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

46 East Cactus Ave	point66	60	1226	45	25	45	13	45	0	0	0	0
	point67	61										
Roadway9	point68	62	0	0	0	0	0	0	0	0	0	0
	point69	63	0	0	0	0	0	0	0	0	0	0
	point70	64	0	0	0	0	0	0	0	0	0	0
	point71	65										
Roadway10	point72	66	0	0	0	0	0	0	0	0	0	0
	point73	67	0	0	0	0	0	0	0	0	0	0
	point74	68										
Roadway11	point75	69	0	0	0	0	0	0	0	0	0	0
	point76	70										
Roadway12	point77	71	0	0	0	0	0	0	0	0	0	0
	point78	72										
Roadway13	point79	73	0	0	0	0	0	7	0	0	0	0
	point80	74										
Roadway14	point81	75	0	0	0	0	0	0	0	0	0	0
	point82	76										
19 South Oliver Dr	point83	77	314	45	6	45	3	45	0	0	0	0
	point84	78	314	45	6	45	3	45	0	0	0	0
	point85	79	314	45	6	45	3	45	0	0	0	0
	point86	80	314	45	6	45	3	45	0	0	0	0
	point87	81	314	45	6	45	3	45	0	0	0	0
	point88	82										
19 North Oliver	point89	83	314	45	6	45	3	45	0	0	0	0
	point90	84	314	45	6	45	3	45	0	0	0	0
	point91	85	314	45	6	45	3	45	0	0	0	0
	point92	86	314	45	6	45	3	45	0	0	0	0
	point93	87										
20 North Oliver St	point94	88	212	45	4	45	2	45	0	0	0	0
	point95	89	212	45	4	45	2	45	0	0	0	0
	point96	90	212	45	4	45	2	45	0	0	0	0
	point97	91	212	45	4	45	2	45	0	0	0	0
	point98	92	212	45	4	45	2	45	0	0	0	0
	point99	93	212	45	4	45	2	45	0	0	0	0
	point100	94	212	45	4	45	2	45	0	0	0	0
	point101	95	212	45	4	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	96	212	45	4	45	2	45	0	0	0	0
	point103	97										
20 South Oliver	point104	98	212	45	4	45	2	45	0	0	0	0
	point105	99	212	45	4	45	2	45	0	0	0	0
	point106	100	212	45	4	45	2	45	0	0	0	0
	point107	101	212	45	4	45	2	45	0	0	0	0
	point108	102	212	45	4	45	2	45	0	0	0	0
	point109	103	212	45	4	45	2	45	0	0	0	0
	point110	104	212	45	4	45	2	45	0	0	0	0
	point111	105	212	45	4	45	2	45	0	0	0	0
	point112	106										
60 East Iris Ave	point113	107	1424	50	29	50	15	50	0	0	0	0
	point114	108	1424	50	29	50	15	50	0	0	0	0
	point115	109	1424	50	29	50	15	50	0	0	0	0
	point116	110	1424	50	29	50	15	50	0	0	0	0
	point117	111	1424	50	29	50	15	50	0	0	0	0
	point118	112	1424	50	29	50	15	50	0	0	0	0
	point119	113	1424	50	29	50	15	50	0	0	0	0
	point120	114										
60 West Iris Ave	point133	115	1424	50	29	50	15	50	0	0	0	0
	point134	116	1424	50	29	50	15	50	0	0	0	0
	point135	117	1424	50	29	50	15	50	0	0	0	0
	point136	118										
47 West John F Kennedy Dr	point148	119	139	35	3	35	1	35	0	0	0	0
	point149	120										
47 East John F Kennedy Dr	point150	121	139	35	3	35	1	35	0	0	0	0
	point151	122										
25 South Moreno Beach Dr	point152	123	1116	55	23	55	12	55	0	0	0	0
	point153	124										
25 North Moreno Beach Dr	point154	125	1116	55	23	55	12	55	0	0	0	0
	point155	126										
Roadway25	point156	127	0	0	0	0	0	0	0	0	0	0
	point157	128										
Driveway 1	point158	129	0	0	0	0	0	0	0	0	0	0
	point159	130										
Driveway 2	point160	131	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	132										
Driveway 3	point162	133	0	0	0	0	0	0	0	0	0	0
	point163	134										
Roadway29	point164	135	0	0	0	0	0	0	0	0	0	0
	point165	136										
55 West Iris Ave	point173	137	2425	50	50	50	25	50	0	0	0	0
	point8	138										
55 East Iris Ave	point174	139	2425	50	50	50	25	50	0	0	0	0
	point15	140										
57 West Iris	point175	141	1984	50	41	50	20	50	0	0	0	0
	point167	142	1984	50	41	50	20	50	0	0	0	0
	point18	143										
57 East Iris Ave	point176	144	1984	50	41	50	20	50	0	0	0	0
	point171	145	1984	50	41	50	20	50	0	0	0	0
	point23	146	1984	50	41	50	20	50	0	0	0	0
	point24	147										
58 West Iris	point177	148	1649	50	34	50	17	50	0	0	0	0
	point19	149										
58 East Iris Ave	point178	150	1649	50	34	50	17	50	0	0	0	0
	point25	151										
59 West Iris Ave	point179	152	1617	50	33	50	17	50	0	0	0	0
	point20	153	1617	50	33	50	17	50	0	0	0	0
	point21	154										
59 East Iris Ave	point180	155	1617	50	33	50	17	50	0	0	0	0
	point26	156	1617	50	33	50	17	50	0	0	0	0
	point27	157										
26 West Moreno Beach DR	point181	158	1510	55	31	55	16	55	0	0	0	0
	point137	159	1510	55	31	55	16	55	0	0	0	0
	point138	160	1510	55	31	55	16	55	0	0	0	0
	point139	161	1510	55	31	55	16	55	0	0	0	0
	point140	162	1510	55	31	55	16	55	0	0	0	0
	point141	163	1510	55	31	55	16	55	0	0	0	0
	point142	164	1510	55	31	55	16	55	0	0	0	0
	point143	165	1510	55	31	55	16	55	0	0	0	0
	point144	166	1510	55	31	55	16	55	0	0	0	0
	point145	167	1510	55	31	55	16	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

	point146	168	1510	55	31	55	16	55	0	0	0	0
	point147	169										
26 East Moreno Beach Dr	point182	170	1510	55	31	55	16	55	0	0	0	0
	point121	171	1510	55	31	55	16	55	0	0	0	0
	point122	172	1510	55	31	55	16	55	0	0	0	0
	point123	173	1510	55	31	55	16	55	0	0	0	0
	point124	174	1510	55	31	55	16	55	0	0	0	0
	point125	175	1510	55	31	55	16	55	0	0	0	0
	point126	176	1510	55	31	55	16	55	0	0	0	0
	point127	177	1510	55	31	55	16	55	0	0	0	0
	point128	178	1510	55	31	55	16	55	0	0	0	0
	point129	179	1510	55	31	55	16	55	0	0	0	0
	point130	180	1510	55	31	55	16	55	0	0	0	0
	point131	181	1510	55	31	55	16	55	0	0	0	0
	point132	182										

INPUT: RECEIVERS
Kaiser Moreno Valley

Dudek						20 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		Phase 3 with Project									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,456.9	1,835.9	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,450.6	1,101.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y
M1	8	1	4,643.7	1,082.2	0.00	4.92	0.00	66	10.0	8.0	Y
M2	9	1	3,978.9	677.8	0.00	4.92	0.00	66	10.0	8.0	Y
M3	10	1	4,245.6	682.1	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	51.3	66	51.3	10	----	51.3	0.0	8	-8.0	
ST5	2	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0	
ST2	3	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0	
ST6	4	1	0.0	54.2	66	54.2	10	----	54.2	0.0	8	-8.0	
ST3	5	1	0.0	70.0	66	70.0	10	Snd Lvl	70.0	0.0	8	-8.0	
ST1	6	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	8	-8.0	
M1	8	1	0.0	55.7	66	55.7	10	----	55.7	0.0	8	-8.0	
M2	9	1	0.0	66.0	66	66.0	10	Snd Lvl	66.0	0.0	8	-8.0	
M3	10	1	0.0	65.5	66	65.5	10	----	65.5	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		9	0.0	0.0	0.0								
All Impacted		4	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: RECEIVERS**Kaiser Moreno Valley**

Dudek						20 March 2019					
CB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:		Kaiser Moreno Valley									
RUN:		2040 no Project									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,456.9	1,835.9	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,450.6	1,101.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y
M1	8	1	4,643.7	1,082.2	0.00	4.92	0.00	66	10.0	8.0	Y
M2	9	1	3,978.9	677.8	0.00	4.92	0.00	66	10.0	8.0	Y
M3	10	1	4,245.6	682.1	0.00	4.92	0.00	66	10.0	8.0	Y

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek											
CB											
INPUT: ROADWAYS								Average pavement type shall be used unless			
PROJECT/CONTRACT:				Kaiser Moreno Valley				a State highway agency substantiates the use			
RUN:				2040 no Project				of a different type with the approval of FHWA			
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average	
		point2	2	388.5	175.7	0.00				Average	
		point3	3	576.5	274.4	0.00				Average	
		point4	4	647.4	314.5	0.00				Average	
		point5	5	943.4	425.5	0.00				Average	
		point6	6	1,214.7	474.8	0.00				Average	
		point7	7	1,469.1	489.5	0.00					
54 East Iris Ave	45.0	point9	8	314.5	55.5	0.00				Average	
		point10	9	570.4	203.5	0.00				Average	
		point11	10	776.9	296.0	0.00				Average	
		point12	11	915.7	351.5	0.00				Average	
		point13	12	1,230.2	419.3	0.00				Average	
		point14	13	1,474.1	426.4	0.00					
56 West Iris Ave	45.0	point16	14	2,330.8	505.6	0.00				Average	
		point17	15	3,172.5	493.3	0.00				Average	
		point166	16	3,451.0	494.3	0.00					
56 East Iris Ave	45.0	point22	17	2,324.7	447.0	0.00				Average	
		point168	18	2,666.1	443.9	0.00				Average	
		point169	19	3,007.6	440.9	0.00				Average	
		point170	20	3,349.1	437.8	0.00				Average	
		point172	21	3,451.8	437.0	0.00					
17 North Nason St	30.0	point28	22	2,324.7	564.2	0.00				Average	
		point29	23	2,309.3	1,014.3	0.00				Average	
		point30	24	2,204.4	1,415.2	0.00				Average	
		point31	25	2,111.9	1,834.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	26	2,096.5	2,068.8	0.00				Average	
		point33	27	2,102.7	2,395.6	0.00				Average	
		point34	28	2,155.1	2,642.2	0.00				Average	
		point35	29	2,241.4	2,904.3	0.00				Average	
		point36	30	2,346.3	3,120.1	0.00				Average	
		point37	31	2,552.8	3,483.9	0.00				Average	
		point38	32	2,670.0	3,721.3	0.00				Average	
		point39	33	2,762.5	4,103.6	0.00				Average	
		point40	34	2,796.4	4,356.4	0.00				Average	
		point41	35	2,790.2	4,544.5	0.00				Average	
		point42	36	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	37	2,278.4	564.2	0.00				Average	
		point44	38	2,272.2	940.4	0.00				Average	
		point45	39	2,250.7	1,137.7	0.00				Average	
		point46	40	2,204.4	1,282.6	0.00				Average	
		point47	41	2,108.9	1,637.1	0.00				Average	
		point48	42	2,081.1	1,769.7	0.00				Average	
		point49	43	2,065.7	2,007.1	0.00				Average	
		point50	44	2,065.7	2,349.3	0.00				Average	
		point51	45	2,074.9	2,497.3	0.00				Average	
		point52	46	2,148.9	2,750.1	0.00				Average	
		point53	47	2,256.8	3,030.7	0.00				Average	
		point54	48	2,423.3	3,317.4	0.00				Average	
		point55	49	2,522.0	3,490.1	0.00				Average	
		point56	50	2,596.0	3,656.6	0.00				Average	
		point57	51	2,673.1	3,866.2	0.00				Average	
		point58	52	2,688.5	3,927.9	0.00				Average	
		point59	53	2,737.8	4,174.5	0.00				Average	
		point60	54	2,740.9	4,273.2	0.00				Average	
		point61	55	2,747.0	4,470.5	0.00				Average	
		point62	56	2,747.0	4,994.7	0.00				Average	
		point63	57	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	58	6.2	5,800.7	0.00				Average	
		point65	59	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	60	0.0	5,769.8	0.00				Average	
		point67	61	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	62	2,839.5	5,813.0	0.00				Average	
		point69	63	3,379.1	5,806.9	0.00				Average	
		point70	64	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	65	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	66	2,848.8	5,788.4	0.00				Average	
		point73	67	3,360.6	5,782.2	0.00				Average	
		point74	68	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	69	5,438.0	5,806.9	0.00				Average	
		point76	70	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	71	5,450.3	5,785.3	0.00				Average	
		point78	72	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	73	8,109.8	5,809.9	0.00				Average	
		point80	74	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	75	8,119.1	5,785.3	0.00				Average	
		point82	76	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	77	5,372.0	5,769.8	0.00				Average	
		point84	78	5,381.3	4,903.5	0.00				Average	
		point85	79	5,375.1	4,666.1	0.00				Average	
		point86	80	5,381.3	4,105.0	0.00				Average	
		point87	81	5,378.2	3,476.0	0.00				Average	
		point88	82	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	83	5,409.0	5,766.8	0.00				Average	
		point90	84	5,412.1	5,119.3	0.00				Average	
		point91	85	5,409.0	4,789.4	0.00				Average	
		point92	86	5,409.0	4,367.0	0.00				Average	
		point93	87	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	88	5,412.1	3,122.7	0.00				Average	
		point95	89	5,415.2	2,543.1	0.00				Average	
		point96	90	5,424.4	2,068.3	0.00				Average	
		point97	91	5,421.3	1,834.0	0.00				Average	
		point98	92	5,424.4	1,362.2	0.00				Average	
		point99	93	5,430.6	1,090.9	0.00				Average	
		point100	94	5,427.5	970.7	0.00				Average	
		point101	95	5,430.6	773.4	0.00				Average	
		point102	96	5,412.1	582.2	0.00				Average	
		point103	97	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	98	5,375.1	3,122.6	0.00				Average	
		point105	99	5,390.5	2,469.0	0.00				Average	
		point106	100	5,390.5	2,012.7	0.00				Average	
		point107	101	5,390.5	1,577.9	0.00				Average	
		point108	102	5,396.7	1,143.2	0.00				Average	
		point109	103	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	104	5,399.8	742.4	0.00				Average	
		point111	105	5,387.4	634.5	0.00				Average	
		point112	106	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	107	5,396.7	391.6	0.00				Average	
		point114	108	5,772.8	317.6	0.00				Average	
		point115	109	5,865.3	302.1	0.00				Average	
		point116	110	6,056.5	289.8	0.00				Average	
		point117	111	6,198.3	296.0	0.00				Average	
		point118	112	6,306.2	308.3	0.00				Average	
		point119	113	6,404.9	326.8	0.00				Average	
		point120	114	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	115	5,409.0	447.0	0.00				Average	
		point134	116	5,779.0	373.1	0.00				Average	
		point135	117	6,139.7	354.6	0.00				Average	
		point136	118	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	119	5,427.5	3,154.6	0.00				Average	
		point149	120	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	121	5,449.1	3,117.7	0.00				Average	
		point151	122	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	123	8,014.2	3,177.0	0.00				Average	
		point153	124	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	125	8,079.0	3,183.1	0.00				Average	
		point155	126	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	127	6,567.1	295.4	0.00				Average	
		point157	128	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	129	3,459.4	516.3	0.00				Average	
		point159	130	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	131	4,095.1	516.3	0.00				Average	
		point161	132	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	133	4,749.0	523.1	0.00				Average	
		point163	134	4,744.5	798.1	0.00					
Roadway29	12.0	point164	135	1,471.7	398.7	0.00				Average	
		point165	136	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	137	1,469.1	489.5	0.00				Average	
		point8	138	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	139	1,474.1	426.4	0.00				Average	
		point15	140	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	141	3,451.0	494.3	0.00				Average	
		point167	142	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	143	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	144	3,451.8	437.0	0.00				Average	
		point171	145	3,519.8	436.2	0.00				Average	
		point23	146	3,690.5	434.7	0.00				Average	
		point24	147	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	148	4,095.1	496.4	0.00				Average	
		point19	149	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	150	4,103.1	431.6	0.00				Average	
		point25	151	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	152	4,766.5	493.3	0.00				Average	
		point20	153	5,188.9	490.2	0.00				Average	
		point21	154	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	155	4,761.4	426.8	0.00				Average	
		point26	156	5,247.4	422.4	0.00				Average	
		point27	157	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	158	6,531.3	403.9	0.00				Average	
		point137	159	6,787.2	487.1	0.00				Average	
		point138	160	7,003.0	592.0	0.00				Average	
		point139	161	7,274.3	764.6	0.00				Average	
		point140	162	7,490.1	958.9	0.00				Average	
		point141	163	7,656.6	1,162.3	0.00				Average	
		point142	164	7,727.5	1,261.0	0.00				Average	
		point143	165	7,863.2	1,513.8	0.00				Average	
		point144	166	7,980.3	1,856.0	0.00				Average	
		point145	167	8,017.3	2,084.2	0.00				Average	
		point146	168	8,023.5	2,688.5	0.00				Average	
		point147	169	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	170	6,555.9	348.4	0.00				Average	
		point121	171	6,910.5	471.7	0.00				Average	
		point122	172	7,218.8	638.2	0.00				Average	
		point123	173	7,471.6	854.0	0.00				Average	
		point124	174	7,588.8	965.0	0.00				Average	
		point125	175	7,653.5	1,045.2	0.00				Average	
		point126	176	7,776.8	1,230.2	0.00				Average	
		point127	177	7,927.9	1,516.9	0.00				Average	
		point128	178	8,035.8	1,840.6	0.00				Average	
		point129	179	8,069.7	2,081.1	0.00				Average	
		point130	180	8,079.0	2,364.7	0.00				Average	
		point131	181	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	182	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	2040 no Project											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	2448	50	50	50	25	50	0	0	0	0
	point2	2	2448	50	50	50	25	50	0	0	0	0
	point3	3	2448	50	50	50	25	50	0	0	0	0
	point4	4	2448	50	50	50	25	50	0	0	0	0
	point5	5	2448	50	50	50	25	50	0	0	0	0
	point6	6	2448	50	50	50	25	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	8	2448	50	50	50	25	50	0	0	0	0
	point10	9	2448	50	50	50	25	50	0	0	0	0
	point11	10	2448	50	50	50	25	50	0	0	0	0
	point12	11	2448	50	50	50	25	50	0	0	0	0
	point13	12	2448	50	50	50	25	50	0	0	0	0
	point14	13										
56 West Iris Ave	point16	14	1771	50	37	50	18	50	0	0	0	0
	point17	15	1771	50	37	50	18	50	0	0	0	0
	point166	16										
56 East Iris Ave	point22	17	1771	50	37	50	18	50	0	0	0	0
	point168	18	1771	50	37	50	18	50	0	0	0	0
	point169	19	1771	50	37	50	18	50	0	0	0	0
	point170	20	1771	50	37	50	18	50	0	0	0	0
	point172	21										
17 North Nason St	point28	22	1137	35	23	35	12	35	0	0	0	0
	point29	23	1137	35	23	35	12	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	24	1137	35	23	35	12	35	0	0	0	0
	point31	25	1137	35	23	35	12	35	0	0	0	0
	point32	26	1137	35	23	35	12	35	0	0	0	0
	point33	27	1137	35	23	35	12	35	0	0	0	0
	point34	28	1137	35	23	35	12	35	0	0	0	0
	point35	29	1137	35	23	35	12	35	0	0	0	0
	point36	30	1137	35	23	35	12	35	0	0	0	0
	point37	31	1137	35	23	35	12	35	0	0	0	0
	point38	32	1137	35	23	35	12	35	0	0	0	0
	point39	33	1137	35	23	35	12	35	0	0	0	0
	point40	34	1137	35	23	35	12	35	0	0	0	0
	point41	35	1137	35	23	35	12	35	0	0	0	0
	point42	36										
17 South Nason St	point43	37	1137	35	23	35	12	35	0	0	0	0
	point44	38	1137	35	23	35	12	35	0	0	0	0
	point45	39	1137	35	23	35	12	35	0	0	0	0
	point46	40	1137	35	23	35	12	35	0	0	0	0
	point47	41	1137	35	23	35	12	35	0	0	0	0
	point48	42	1137	35	23	35	12	35	0	0	0	0
	point49	43	1137	35	23	35	12	35	0	0	0	0
	point50	44	1137	35	23	35	12	35	0	0	0	0
	point51	45	1137	35	23	35	12	35	0	0	0	0
	point52	46	1137	35	23	35	12	35	0	0	0	0
	point53	47	1137	35	23	35	12	35	0	0	0	0
	point54	48	1137	35	23	35	12	35	0	0	0	0
	point55	49	1137	35	23	35	12	35	0	0	0	0
	point56	50	1137	35	23	35	12	35	0	0	0	0
	point57	51	1137	35	23	35	12	35	0	0	0	0
	point58	52	1137	35	23	35	12	35	0	0	0	0
	point59	53	1137	35	23	35	12	35	0	0	0	0
	point60	54	1137	35	23	35	12	35	0	0	0	0
	point61	55	1137	35	23	35	12	35	0	0	0	0
	point62	56	1137	35	23	35	12	35	0	0	0	0
	point63	57										
46 West Cactus Ave	point64	58	1155	45	24	45	12	45	0	0	0	0
	point65	59										

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

46 East Cactus Ave	point66	60	1155	45	24	45	12	45	0	0	0	0
	point67	61										
Roadway9	point68	62	0	0	0	0	0	0	0	0	0	0
	point69	63	0	0	0	0	0	0	0	0	0	0
	point70	64	0	0	0	0	0	0	0	0	0	0
	point71	65										
Roadway10	point72	66	0	0	0	0	0	0	0	0	0	0
	point73	67	0	0	0	0	0	0	0	0	0	0
	point74	68										
Roadway11	point75	69	0	0	0	0	0	0	0	0	0	0
	point76	70										
Roadway12	point77	71	0	0	0	0	0	0	0	0	0	0
	point78	72										
Roadway13	point79	73	0	0	0	0	0	0	0	0	0	0
	point80	74										
Roadway14	point81	75	0	0	0	0	0	0	0	0	0	0
	point82	76										
19 South Oliver Dr	point83	77	297	45	6	45	3	45	0	0	0	0
	point84	78	297	45	6	45	3	45	0	0	0	0
	point85	79	297	45	6	45	3	45	0	0	0	0
	point86	80	297	45	6	45	3	45	0	0	0	0
	point87	81	297	45	6	45	3	45	0	0	0	0
	point88	82										
19 North Oliver	point89	83	297	45	6	45	3	45	0	0	0	0
	point90	84	297	45	6	45	3	45	0	0	0	0
	point91	85	297	45	6	45	3	45	0	0	0	0
	point92	86	297	45	6	45	3	45	0	0	0	0
	point93	87										
20 North Oliver St	point94	88	184	45	4	45	2	45	0	0	0	0
	point95	89	184	45	4	45	2	45	0	0	0	0
	point96	90	184	45	4	45	2	45	0	0	0	0
	point97	91	184	45	4	45	2	45	0	0	0	0
	point98	92	184	45	4	45	2	45	0	0	0	0
	point99	93	184	45	4	45	2	45	0	0	0	0
	point100	94	184	45	4	45	2	45	0	0	0	0
	point101	95	184	45	4	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	96	184	45	4	45	2	45	0	0	0	0
	point103	97										
20 South Oliver	point104	98	184	45	4	45	2	45	0	0	0	0
	point105	99	184	45	4	45	2	45	0	0	0	0
	point106	100	184	45	4	45	2	45	0	0	0	0
	point107	101	184	45	4	45	2	45	0	0	0	0
	point108	102	184	45	4	45	2	45	0	0	0	0
	point109	103	184	45	4	45	2	45	0	0	0	0
	point110	104	184	45	4	45	2	45	0	0	0	0
	point111	105	184	10	4	45	2	45	0	0	0	0
	point112	106										
60 East Iris Ave	point113	107	1350	50	28	50	14	50	0	0	0	0
	point114	108	1350	50	28	50	14	50	0	0	0	0
	point115	109	1350	50	28	50	14	50	0	0	0	0
	point116	110	1350	50	28	50	14	50	0	0	0	0
	point117	111	1350	50	28	50	14	50	0	0	0	0
	point118	112	1350	50	28	50	14	50	0	0	0	0
	point119	113	1350	50	28	50	14	50	0	0	0	0
	point120	114										
60 West Iris Ave	point133	115	1350	50	28	50	14	50	0	0	0	0
	point134	116	1350	50	28	50	14	50	0	0	0	0
	point135	117	1350	50	28	50	14	50	0	0	0	0
	point136	118										
47 West John F Kennedy Dr	point148	119	134	35	3	35	1	35	0	0	0	0
	point149	120										
47 East John F Kennedy Dr	point150	121	134	35	3	35	1	35	0	0	0	0
	point151	122										
25 South Moreno Beach Dr	point152	123	1031	55	21	55	11	55	0	0	0	0
	point153	124										
25 North Moreno Beach Dr	point154	125	1031	55	21	55	11	55	0	0	0	0
	point155	126										
Roadway25	point156	127	0	0	0	0	0	0	0	0	0	0
	point157	128										
Driveway 1	point158	129	0	0	0	0	0	0	0	0	0	0
	point159	130										
Driveway 2	point160	131	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	132										
Driveway 3	point162	133	0	0	0	0	0	0	0	0	0	0
	point163	134										
Roadway29	point164	135	0	0	0	0	0	0	0	0	0	0
	point165	136										
55 West Iris Ave	point173	137	2368	50	49	50	24	50	0	0	0	0
	point8	138										
55 East Iris Ave	point174	139	2368	50	49	50	24	50	0	0	0	0
	point15	140										
57 West Iris	point175	141	1730	50	36	50	18	50	0	0	0	0
	point167	142	1730	50	36	50	18	50	0	0	0	0
	point18	143										
57 East Iris Ave	point176	144	1730	50	36	50	18	50	0	0	0	0
	point171	145	1730	50	36	50	18	50	0	0	0	0
	point23	146	1730	50	36	50	18	50	0	0	0	0
	point24	147										
58 West Iris	point177	148	1532	50	32	50	16	50	0	0	0	0
	point19	149										
58 East Iris Ave	point178	150	1532	50	32	50	16	50	0	0	0	0
	point25	151										
59 West Iris Ave	point179	152	1503	50	31	50	15	50	0	0	0	0
	point20	153	1503	50	31	50	15	50	0	0	0	0
	point21	154										
59 East Iris Ave	point180	155	1503	50	31	50	15	50	0	0	0	0
	point26	156	1503	50	31	50	15	50	0	0	0	0
	point27	157										
26 West Moreno Beach DR	point181	158	1438	55	30	55	15	55	0	0	0	0
	point137	159	1438	55	30	55	15	55	0	0	0	0
	point138	160	1438	55	30	55	15	55	0	0	0	0
	point139	161	1438	55	30	55	15	55	0	0	0	0
	point140	162	1438	55	30	55	15	55	0	0	0	0
	point141	163	1438	55	30	55	15	55	0	0	0	0
	point142	164	1438	55	30	55	15	55	0	0	0	0
	point143	165	1438	55	30	55	15	55	0	0	0	0
	point144	166	1438	55	30	55	15	55	0	0	0	0
	point145	167	1438	55	30	55	15	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

	point146	168	1438	55	30	55	15	55	0	0	0	0
	point147	169										
26 East Moreno Beach Dr	point182	170	1438	55	30	55	15	55	0	0	0	0
	point121	171	1438	55	30	55	15	55	0	0	0	0
	point122	172	1438	55	30	55	15	55	0	0	0	0
	point123	173	1438	55	30	55	15	55	0	0	0	0
	point124	174	1438	55	30	55	15	55	0	0	0	0
	point125	175	1438	55	30	55	15	55	0	0	0	0
	point126	176	1438	55	30	55	15	55	0	0	0	0
	point127	177	1438	55	30	55	15	55	0	0	0	0
	point128	178	1438	55	30	55	15	55	0	0	0	0
	point129	179	1438	55	30	55	15	55	0	0	0	0
	point130	180	1438	55	30	55	15	55	0	0	0	0
	point131	181	1438	55	30	55	15	55	0	0	0	0
	point132	182										

RESULTS: SOUND LEVELS
Kaiser Moreno Valley

Dudek CB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
ST4	1	1	0.0	51.9	66	51.9	10	----	51.9	0.0	8	-8.0	
ST5	2	1	0.0	64.2	66	64.2	10	----	64.2	0.0	8	-8.0	
ST2	3	1	0.0	66.8	66	66.8	10	Snd Lvl	66.8	0.0	8	-8.0	
ST6	4	1	0.0	54.8	66	54.8	10	----	54.8	0.0	8	-8.0	
ST3	5	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0	
ST1	6	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		6	0.0	0.0	0.0								
All Impacted		3	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
Kaiser Moreno Valley

Dudek												
CB												
INPUT: ROADWAYS								Average pavement type shall be used unless				
PROJECT/CONTRACT:				Kaiser Moreno Valley				a State highway agency substantiates the use				
RUN:				2040 with Project				of a different type with the approval of FHWA				
Roadway		Points										
Name	Width	Name	No.	Coordinates (pavement)			Flow Control				Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On	
							Device	Constraint	Vehicles	Type	Struct?	
									Affected			
	ft			ft	ft	ft		mph	%			
54 West Iris Ave	45.0	point1	1	222.0	61.6	0.00				Average		
		point2	2	388.5	175.7	0.00				Average		
		point3	3	576.5	274.4	0.00				Average		
		point4	4	647.4	314.5	0.00				Average		
		point5	5	943.4	425.5	0.00				Average		
		point6	6	1,214.7	474.8	0.00				Average		
		point7	7	1,469.1	489.5	0.00						
54 East Iris Ave	45.0	point9	8	314.5	55.5	0.00				Average		
		point10	9	570.4	203.5	0.00				Average		
		point11	10	776.9	296.0	0.00				Average		
		point12	11	915.7	351.5	0.00				Average		
		point13	12	1,230.2	419.3	0.00				Average		
		point14	13	1,474.1	426.4	0.00						
56 West Iris Ave	45.0	point16	14	2,330.8	505.6	0.00				Average		
		point17	15	3,172.5	493.3	0.00				Average		
		point166	16	3,451.0	494.3	0.00						
56 East Iris Ave	45.0	point22	17	2,324.7	447.0	0.00				Average		
		point168	18	2,666.1	443.9	0.00				Average		
		point169	19	3,007.6	440.9	0.00				Average		
		point170	20	3,349.1	437.8	0.00				Average		
		point172	21	3,451.8	437.0	0.00						
17 North Nason St	30.0	point28	22	2,324.7	564.2	0.00				Average		
		point29	23	2,309.3	1,014.3	0.00				Average		
		point30	24	2,204.4	1,415.2	0.00				Average		
		point31	25	2,111.9	1,834.4	0.00				Average		

INPUT: ROADWAYS
Kaiser Moreno Valley

		point32	26	2,096.5	2,068.8	0.00				Average	
		point33	27	2,102.7	2,395.6	0.00				Average	
		point34	28	2,155.1	2,642.2	0.00				Average	
		point35	29	2,241.4	2,904.3	0.00				Average	
		point36	30	2,346.3	3,120.1	0.00				Average	
		point37	31	2,552.8	3,483.9	0.00				Average	
		point38	32	2,670.0	3,721.3	0.00				Average	
		point39	33	2,762.5	4,103.6	0.00				Average	
		point40	34	2,796.4	4,356.4	0.00				Average	
		point41	35	2,790.2	4,544.5	0.00				Average	
		point42	36	2,777.9	5,790.1	0.00					
17 South Nason St	30.0	point43	37	2,278.4	564.2	0.00				Average	
		point44	38	2,272.2	940.4	0.00				Average	
		point45	39	2,250.7	1,137.7	0.00				Average	
		point46	40	2,204.4	1,282.6	0.00				Average	
		point47	41	2,108.9	1,637.1	0.00				Average	
		point48	42	2,081.1	1,769.7	0.00				Average	
		point49	43	2,065.7	2,007.1	0.00				Average	
		point50	44	2,065.7	2,349.3	0.00				Average	
		point51	45	2,074.9	2,497.3	0.00				Average	
		point52	46	2,148.9	2,750.1	0.00				Average	
		point53	47	2,256.8	3,030.7	0.00				Average	
		point54	48	2,423.3	3,317.4	0.00				Average	
		point55	49	2,522.0	3,490.1	0.00				Average	
		point56	50	2,596.0	3,656.6	0.00				Average	
		point57	51	2,673.1	3,866.2	0.00				Average	
		point58	52	2,688.5	3,927.9	0.00				Average	
		point59	53	2,737.8	4,174.5	0.00				Average	
		point60	54	2,740.9	4,273.2	0.00				Average	
		point61	55	2,747.0	4,470.5	0.00				Average	
		point62	56	2,747.0	4,994.7	0.00				Average	
		point63	57	2,744.0	5,777.8	0.00					
46 West Cactus Ave	30.0	point64	58	6.2	5,800.7	0.00				Average	
		point65	59	2,697.7	5,809.9	0.00					
46 East Cactus Ave	30.0	point66	60	0.0	5,769.8	0.00				Average	
		point67	61	2,700.8	5,776.0	0.00					
Roadway9	15.0	point68	62	2,839.5	5,813.0	0.00				Average	
		point69	63	3,379.1	5,806.9	0.00				Average	
		point70	64	3,850.8	5,794.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point71	65	5,336.9	5,800.7	0.00					
Roadway10	15.0	point72	66	2,848.8	5,788.4	0.00				Average	
		point73	67	3,360.6	5,782.2	0.00				Average	
		point74	68	5,324.5	5,776.0	0.00					
Roadway11	30.0	point75	69	5,438.0	5,806.9	0.00				Average	
		point76	70	7,969.2	5,809.9	0.00					
Roadway12	30.0	point77	71	5,450.3	5,785.3	0.00				Average	
		point78	72	7,963.1	5,785.3	0.00					
Roadway13	30.0	point79	73	8,109.8	5,809.9	0.00				Average	
		point80	74	9,753.1	5,813.0	0.00					
Roadway14	30.0	point81	75	8,119.1	5,785.3	0.00				Average	
		point82	76	9,746.9	5,785.3	0.00					
19 South Oliver Dr	30.0	point83	77	5,372.0	5,769.8	0.00				Average	
		point84	78	5,381.3	4,903.5	0.00				Average	
		point85	79	5,375.1	4,666.1	0.00				Average	
		point86	80	5,381.3	4,105.0	0.00				Average	
		point87	81	5,378.2	3,476.0	0.00				Average	
		point88	82	5,375.1	3,158.5	0.00					
19 North Oliver	30.0	point89	83	5,409.0	5,766.8	0.00				Average	
		point90	84	5,412.1	5,119.3	0.00				Average	
		point91	85	5,409.0	4,789.4	0.00				Average	
		point92	86	5,409.0	4,367.0	0.00				Average	
		point93	87	5,412.1	3,170.8	0.00					
20 North Oliver St	30.0	point94	88	5,412.1	3,122.7	0.00				Average	
		point95	89	5,415.2	2,543.1	0.00				Average	
		point96	90	5,424.4	2,068.3	0.00				Average	
		point97	91	5,421.3	1,834.0	0.00				Average	
		point98	92	5,424.4	1,362.2	0.00				Average	
		point99	93	5,430.6	1,090.9	0.00				Average	
		point100	94	5,427.5	970.7	0.00				Average	
		point101	95	5,430.6	773.4	0.00				Average	
		point102	96	5,412.1	582.2	0.00				Average	
		point103	97	5,402.9	483.6	0.00					
20 South Oliver	15.0	point104	98	5,375.1	3,122.6	0.00				Average	
		point105	99	5,390.5	2,469.0	0.00				Average	
		point106	100	5,390.5	2,012.7	0.00				Average	
		point107	101	5,390.5	1,577.9	0.00				Average	
		point108	102	5,396.7	1,143.2	0.00				Average	
		point109	103	5,402.9	967.5	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point110	104	5,399.8	742.4	0.00				Average	
		point111	105	5,387.4	634.5	0.00				Average	
		point112	106	5,356.6	501.9	0.00					
60 East Iris Ave	40.0	point113	107	5,396.7	391.6	0.00				Average	
		point114	108	5,772.8	317.6	0.00				Average	
		point115	109	5,865.3	302.1	0.00				Average	
		point116	110	6,056.5	289.8	0.00				Average	
		point117	111	6,198.3	296.0	0.00				Average	
		point118	112	6,306.2	308.3	0.00				Average	
		point119	113	6,404.9	326.8	0.00				Average	
		point120	114	6,555.9	348.4	0.00					
60 West Iris Ave	40.0	point133	115	5,409.0	447.0	0.00				Average	
		point134	116	5,779.0	373.1	0.00				Average	
		point135	117	6,139.7	354.6	0.00				Average	
		point136	118	6,531.3	403.9	0.00					
47 West John F Kennedy Dr	30.0	point148	119	5,427.5	3,154.6	0.00				Average	
		point149	120	7,989.6	3,154.6	0.00					
47 East John F Kennedy Dr	30.0	point150	121	5,449.1	3,117.7	0.00				Average	
		point151	122	7,989.6	3,120.7	0.00					
25 South Moreno Beach Dr	40.0	point152	123	8,014.2	3,177.0	0.00				Average	
		point153	124	8,011.2	5,785.3	0.00					
25 North Moreno Beach Dr	40.0	point154	125	8,079.0	3,183.1	0.00				Average	
		point155	126	8,066.6	5,794.5	0.00					
Roadway25	12.0	point156	127	6,567.1	295.4	0.00				Average	
		point157	128	6,610.1	86.1	0.00					
Driveway 1	12.0	point158	129	3,459.4	516.3	0.00				Average	
		point159	130	3,463.8	798.1	0.00					
Driveway 2	12.0	point160	131	4,095.1	516.3	0.00				Average	
		point161	132	4,090.6	744.0	0.00					
Driveway 3	12.0	point162	133	4,749.0	523.1	0.00				Average	
		point163	134	4,744.5	798.1	0.00					
Roadway29	12.0	point164	135	1,471.7	398.7	0.00				Average	
		point165	136	1,483.1	54.5	0.00					
55 West Iris Ave	45.0	point173	137	1,469.1	489.5	0.00				Average	
		point8	138	2,275.3	505.6	0.00					
55 East Iris Ave	45.0	point174	139	1,474.1	426.4	0.00				Average	
		point15	140	2,269.2	444.0	0.00					
57 West Iris	45.0	point175	141	3,451.0	494.3	0.00				Average	
		point167	142	3,729.5	495.4	0.00				Average	

INPUT: ROADWAYS
Kaiser Moreno Valley

		point18	143	4,095.1	496.4	0.00					
57 East Iris Ave	45.0	point176	144	3,451.8	437.0	0.00				Average	
		point171	145	3,519.8	436.2	0.00				Average	
		point23	146	3,690.5	434.7	0.00				Average	
		point24	147	4,103.1	431.6	0.00					
58 West Iris	45.0	point177	148	4,095.1	496.4	0.00				Average	
		point19	149	4,766.5	493.3	0.00					
58 East Iris Ave	45.0	point178	150	4,103.1	431.6	0.00				Average	
		point25	151	4,761.4	426.8	0.00					
59 West Iris Ave	45.0	point179	152	4,766.5	493.3	0.00				Average	
		point20	153	5,188.9	490.2	0.00				Average	
		point21	154	5,358.4	465.6	0.00					
59 East Iris Ave	45.0	point180	155	4,761.4	426.8	0.00				Average	
		point26	156	5,247.4	422.4	0.00				Average	
		point27	157	5,352.3	397.7	0.00					
26 West Moreno Beach DR	40.0	point181	158	6,531.3	403.9	0.00				Average	
		point137	159	6,787.2	487.1	0.00				Average	
		point138	160	7,003.0	592.0	0.00				Average	
		point139	161	7,274.3	764.6	0.00				Average	
		point140	162	7,490.1	958.9	0.00				Average	
		point141	163	7,656.6	1,162.3	0.00				Average	
		point142	164	7,727.5	1,261.0	0.00				Average	
		point143	165	7,863.2	1,513.8	0.00				Average	
		point144	166	7,980.3	1,856.0	0.00				Average	
		point145	167	8,017.3	2,084.2	0.00				Average	
		point146	168	8,023.5	2,688.5	0.00				Average	
		point147	169	8,014.2	3,120.1	0.00					
26 East Moreno Beach Dr	40.0	point182	170	6,555.9	348.4	0.00				Average	
		point121	171	6,910.5	471.7	0.00				Average	
		point122	172	7,218.8	638.2	0.00				Average	
		point123	173	7,471.6	854.0	0.00				Average	
		point124	174	7,588.8	965.0	0.00				Average	
		point125	175	7,653.5	1,045.2	0.00				Average	
		point126	176	7,776.8	1,230.2	0.00				Average	
		point127	177	7,927.9	1,516.9	0.00				Average	
		point128	178	8,035.8	1,840.6	0.00				Average	
		point129	179	8,069.7	2,081.1	0.00				Average	
		point130	180	8,079.0	2,364.7	0.00				Average	
		point131	181	8,085.1	2,617.6	0.00				Average	

INPUT: ROADWAYS

Kaiser Moreno Valley

		point132	182	8,082.1	3,123.2	0.00					
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INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

Dudek												
CB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Kaiser Moreno Valley											
RUN:	2040 with Project											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
54 West Iris Ave	point1	1	2617	50	54	50	27	50	0	0	0	0
	point2	2	2617	50	54	50	27	50	0	0	0	0
	point3	3	2617	50	54	50	27	50	0	0	0	0
	point4	4	2617	50	54	50	27	50	0	0	0	0
	point5	5	2617	50	54	50	27	50	0	0	0	0
	point6	6	2617	50	54	50	27	50	0	0	0	0
	point7	7										
54 East Iris Ave	point9	8	2617	50	54	50	27	50	0	0	0	0
	point10	9	2617	50	54	50	27	50	0	0	0	0
	point11	10	2617	50	54	50	27	50	0	0	0	0
	point12	11	2617	50	54	50	27	50	0	0	0	0
	point13	12	2617	50	54	50	27	50	0	0	0	0
	point14	13										
56 West Iris Ave	point16	14	2216	50	46	50	23	50	0	0	0	0
	point17	15	2216	50	46	50	23	50	0	0	0	0
	point166	16										
56 East Iris Ave	point22	17	2216	50	46	50	23	50	0	0	0	0
	point168	18	2216	50	46	50	23	50	0	0	0	0
	point169	19	2216	50	46	50	23	50	0	0	0	0
	point170	20	2216	50	46	50	23	50	0	0	0	0
	point172	21										
17 North Nason St	point28	22	1406	35	29	35	14	35	0	0	0	0
	point29	23	1406	35	29	35	14	35	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point30	24	1406	35	29	35	14	35	0	0	0	0
	point31	25	1406	35	29	35	14	35	0	0	0	0
	point32	26	1406	35	29	35	14	35	0	0	0	0
	point33	27	1406	35	29	35	14	35	0	0	0	0
	point34	28	1406	35	29	35	14	35	0	0	0	0
	point35	29	1406	35	29	35	14	35	0	0	0	0
	point36	30	1406	35	29	35	14	35	0	0	0	0
	point37	31	1406	35	29	35	14	35	0	0	0	0
	point38	32	1406	35	29	35	14	35	0	0	0	0
	point39	33	1406	35	29	35	14	35	0	0	0	0
	point40	34	1406	35	29	35	14	35	0	0	0	0
	point41	35	1406	35	29	35	14	35	0	0	0	0
	point42	36										
17 South Nason St	point43	37	1406	35	29	35	14	35	0	0	0	0
	point44	38	1406	35	29	35	14	35	0	0	0	0
	point45	39	1406	35	29	35	14	35	0	0	0	0
	point46	40	1406	35	29	35	14	35	0	0	0	0
	point47	41	1406	35	29	35	14	35	0	0	0	0
	point48	42	1406	35	29	35	14	35	0	0	0	0
	point49	43	1406	35	29	35	14	35	0	0	0	0
	point50	44	1406	35	29	35	14	35	0	0	0	0
	point51	45	1406	35	29	35	14	35	0	0	0	0
	point52	46	1406	35	29	35	14	35	0	0	0	0
	point53	47	1406	35	29	35	14	35	0	0	0	0
	point54	48	1406	35	29	35	14	35	0	0	0	0
	point55	49	1406	35	29	35	14	35	0	0	0	0
	point56	50	1406	35	29	35	14	35	0	0	0	0
	point57	51	1406	35	29	35	14	35	0	0	0	0
	point58	52	1406	35	29	35	14	35	0	0	0	0
	point59	53	1406	35	29	35	14	35	0	0	0	0
	point60	54	1406	35	29	35	14	35	0	0	0	0
	point61	55	1406	35	29	35	14	35	0	0	0	0
	point62	56	1406	35	29	35	14	35	0	0	0	0
	point63	57										
46 West Cactus Ave	point64	58	1267	45	26	45	13	45	0	0	0	0
	point65	59										

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

46 East Cactus Ave	point66	60	1267	45	26	45	13	45	0	0	0	0
	point67	61										
Roadway9	point68	62	0	0	0	0	0	0	0	0	0	0
	point69	63	0	0	0	0	0	0	0	0	0	0
	point70	64	0	0	0	0	0	0	0	0	0	0
	point71	65										
Roadway10	point72	66	0	0	0	0	0	0	0	0	0	0
	point73	67	0	0	0	0	0	0	0	0	0	0
	point74	68										
Roadway11	point75	69	0	0	0	0	0	0	0	0	0	0
	point76	70										
Roadway12	point77	71	0	0	0	0	0	0	0	0	0	0
	point78	72										
Roadway13	point79	73	0	0	0	0	0	0	0	0	0	0
	point80	74										
Roadway14	point81	75	0	0	0	0	0	0	0	0	0	0
	point82	76										
19 South Oliver Dr	point83	77	322	45	7	45	3	45	0	0	0	0
	point84	78	322	45	7	45	3	45	0	0	0	0
	point85	79	322	45	7	45	3	45	0	0	0	0
	point86	80	322	45	7	45	3	45	0	0	0	0
	point87	81	322	45	7	45	3	45	0	0	0	0
	point88	82										
19 North Oliver	point89	83	322	45	7	45	3	45	0	0	0	0
	point90	84	322	45	7	45	3	45	0	0	0	0
	point91	85	322	45	7	45	3	45	0	0	0	0
	point92	86	322	45	7	45	3	45	0	0	0	0
	point93	87										
20 North Oliver St	point94	88	218	45	4	45	2	45	0	0	0	0
	point95	89	218	45	4	45	2	45	0	0	0	0
	point96	90	218	45	4	45	2	45	0	0	0	0
	point97	91	218	45	4	45	2	45	0	0	0	0
	point98	92	218	45	4	45	2	45	0	0	0	0
	point99	93	218	45	4	45	2	45	0	0	0	0
	point100	94	218	45	4	45	2	45	0	0	0	0
	point101	95	218	45	4	45	2	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point102	96	218	45	4	45	2	45	0	0	0	0
	point103	97										
20 South Oliver	point104	98	218	45	4	45	2	45	0	0	0	0
	point105	99	218	45	4	45	2	45	0	0	0	0
	point106	100	218	45	4	45	2	45	0	0	0	0
	point107	101	218	45	4	45	2	45	0	0	0	0
	point108	102	218	45	4	45	2	45	0	0	0	0
	point109	103	218	45	4	45	2	45	0	0	0	0
	point110	104	218	45	4	45	2	45	0	0	0	0
	point111	105	218	45	4	45	2	45	0	0	0	0
	point112	106										
60 East Iris Ave	point113	107	1488	50	31	50	15	50	0	0	0	0
	point114	108	1488	50	31	50	15	50	0	0	0	0
	point115	109	1488	50	31	50	15	50	0	0	0	0
	point116	110	1488	50	31	50	15	50	0	0	0	0
	point117	111	1488	50	31	50	15	50	0	0	0	0
	point118	112	1488	50	31	50	15	50	0	0	0	0
	point119	113	1488	50	31	50	15	50	0	0	0	0
	point120	114										
60 West Iris Ave	point133	115	1488	50	31	50	15	50	0	0	0	0
	point134	116	1488	50	31	50	15	50	0	0	0	0
	point135	117	1488	50	31	50	15	50	0	0	0	0
	point136	118										
47 West John F Kennedy Dr	point148	119	140	35	3	35	1	35	0	0	0	0
	point149	120										
47 East John F Kennedy Dr	point150	121	140	35	3	35	1	35	0	0	0	0
	point151	122										
25 South Moreno Beach Dr	point152	123	1150	55	24	55	12	55	0	0	0	0
	point153	124										
25 North Moreno Beach Dr	point154	125	1150	55	24	55	12	55	0	0	0	0
	point155	126										
Roadway25	point156	127	0	0	0	0	0	0	0	0	0	0
	point157	128										
Driveway 1	point158	129	0	0	0	0	0	0	0	0	0	0
	point159	130										
Driveway 2	point160	131	0	0	0	0	0	0	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes
Kaiser Moreno Valley

	point161	132										
Driveway 3	point162	133	0	0	0	0	0	0	0	0	0	0
	point163	134										
Roadway29	point164	135	0	0	0	0	0	0	0	0	0	0
	point165	136										
55 West Iris Ave	point173	137	2537	50	52	50	26	50	0	0	0	0
	point8	138										
55 East Iris Ave	point174	139	2537	50	52	50	26	50	0	0	0	0
	point15	140										
57 West Iris	point175	141	0 9	50	42	50	21	50	0	0	0	0
	point167	142	2059	50	42	50	21	50	0	0	0	0
	point18	143										
57 East Iris Ave	point176	144	2059	50	42	50	21	50	0	0	0	0
	point171	145	2059	50	42	50	21	50	0	0	0	0
	point23	146	2059	50	42	50	21	50	0	0	0	0
	point24	147										
58 West Iris	point177	148	1717	50	35	50	18	50	0	0	0	0
	point19	149										
58 East Iris Ave	point178	150	1717	50	35	50	18	50	0	0	0	0
	point25	151										
59 West Iris Ave	point179	152	1685	50	35	50	17	50	0	0	0	0
	point20	153	1685	50	35	50	17	50	0	0	0	0
	point21	154										
59 East Iris Ave	point180	155	1685	50	35	50	17	50	0	0	0	0
	point26	156	1685	50	35	50	17	50	0	0	0	0
	point27	157										
26 West Moreno Beach DR	point181	158	1576	55	32	55	16	55	0	0	0	0
	point137	159	1576	55	32	55	16	55	0	0	0	0
	point138	160	1576	55	32	55	16	55	0	0	0	0
	point139	161	1576	55	32	55	16	55	0	0	0	0
	point140	162	1576	55	32	55	16	55	0	0	0	0
	point141	163	1576	55	32	55	16	55	0	0	0	0
	point142	164	1576	55	32	55	16	55	0	0	0	0
	point143	165	1576	55	32	55	16	55	0	0	0	0
	point144	166	1576	55	32	55	16	55	0	0	0	0
	point145	167	1576	55	32	55	16	55	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**Kaiser Moreno Valley**

	point146	168	1576	55	32	55	16	55	0	0	0	0
	point147	169										
26 East Moreno Beach Dr	point182	170	1576	55	32	55	16	55	0	0	0	0
	point121	171	1576	55	32	55	16	55	0	0	0	0
	point122	172	1576	55	32	55	16	55	0	0	0	0
	point123	173	1576	55	32	55	16	55	0	0	0	0
	point124	174	1576	55	32	55	16	55	0	0	0	0
	point125	175	1576	55	32	55	16	55	0	0	0	0
	point126	176	1576	55	32	55	16	55	0	0	0	0
	point127	177	1576	55	32	55	16	55	0	0	0	0
	point128	178	1576	55	32	55	16	55	0	0	0	0
	point129	179	1576	55	32	55	16	55	0	0	0	0
	point130	180	1576	55	32	55	16	55	0	0	0	0
	point131	181	1576	55	32	55	16	55	0	0	0	0
	point132	182										

INPUT: RECEIVERS**Kaiser Moreno Valley**

Dudek							19 March 2019				
CB							TNM 2.5				
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Kaiser Moreno Valley										
RUN:	2040 with Project										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST4	1	1	4,756.0	1,399.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST5	2	1	5,456.9	1,835.9	0.00	4.92	0.00	66	10.0	8.0	Y
ST2	3	1	5,450.6	1,101.2	0.00	4.92	0.00	66	10.0	8.0	Y
ST6	4	1	4,095.2	1,212.4	0.00	4.92	0.00	66	10.0	8.0	Y
ST3	5	1	4,474.4	344.8	0.00	4.92	0.00	66	10.0	8.0	Y
ST1	6	1	3,469.9	360.5	0.00	4.92	0.00	66	10.0	8.0	Y

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact	Device	Usage(%)	Equipment		
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Backhoe	No		40		77.6	175
Excavator	No		40		80.7	175
Excavator	No		40		80.7	200
Excavator	No		40		80.7	200
Front End Loader	No		40		79.1	225
Tractor	No		40	84		225

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A	N/A
Excavator	69.8	65.8	N/A	N/A	N/A	N/A	N/A
Excavator	68.7	64.7	N/A	N/A	N/A	N/A	N/A
Excavator	68.7	64.7	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A
Total	70.9	72.6	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Impact	Device	Usage(%)	Equipment		
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Backhoe	No		40		77.6	530
Excavator	No		40		80.7	530
Excavator	No		40		80.7	530
Excavator	No		40		80.7	530

Front End Loader	No	40	79.1	530	0
Tractor	No	40	84	530	0

Results							
Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day	Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax
Backhoe	57.1	53.1	N/A	N/A	N/A	N/A	N/A
Excavator	60.2	56.2	N/A	N/A	N/A	N/A	N/A
Excavator	60.2	56.2	N/A	N/A	N/A	N/A	N/A
Excavator	60.2	56.2	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Total	63.5	64.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Site Preparation

---- Receptor #1 ----				
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Equipment					
	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Grader	No	40	85		175	0
Dozer	No	40		81.7	175	0
Dozer	No	40		81.7	200	0
Dozer	No	40		81.7	200	0
Front End Loader	No	40		79.1	225	0
Tractor	No	40	84		225	0

Results							
Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day	Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax
Grader	74.1	70.1	N/A	N/A	N/A	N/A	N/A
Dozer	70.8	66.8	N/A	N/A	N/A	N/A	N/A
Dozer	69.6	65.6	N/A	N/A	N/A	N/A	N/A
Dozer	69.6	65.6	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A

Total	74.1	74.6	N/A	N/A	N/A	N/A	N/A
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*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		530	0
Dozer	No	40		81.7	530	0
Dozer	No	40		81.7	530	0
Dozer	No	40		81.7	530	0
Front End Loader	No	40		79.1	530	0
Tractor	No	40	84		530	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)					
	*Lmax	Leq	Day	Evening				Night
			Lmax	Leq	Lmax	Leq	Lmax	
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.2	57.2	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.2	57.2	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.2	57.2	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.5	65.9	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	175	0

Grader	No	40	85	175	0
Grader	No	40	85	200	0
Front End Loader	No	40	79.1	200	0
Tractor	No	40	84	225	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator	69.8	65.8	N/A	N/A	N/A	N/A	N/A
Grader	74.1	70.1	N/A	N/A	N/A	N/A	N/A
Grader	73	69	N/A	N/A	N/A	N/A	N/A
Front End Loader	67.1	63.1	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A
Total	74.1	74.6	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----				
Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Equipment						
Impact		Spec	Actual	Receptor	Estimated	
Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Excavator	No	40	80.7	530	0	
Grader	No	40	85	530	0	
Grader	No	40	85	530	0	
Front End Loader	No	40	79.1	530	0	
Tractor	No	40	84	530	0	

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator	60.2	56.2	N/A	N/A	N/A	N/A	N/A
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Total	64.5	65.9	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019

Case Description: Kaiser Moreno Valley_Building Construction

		---- Receptor #1 ----						
		Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night				
Nearest Receiver 175'	Residential	65	60	55				
		Equipment						
		Impact	Spec	Actual	Receptor	Estimated		
Description	Device	Usage(%)	Lmax	Lmax	Distance	Shielding		
			(dBA)	(dBA)	(feet)	(dBA)		
Man Lift	No	20		74.7	175	0		
Drill Rig Truck	No	20		79.1	175	0		
Crane	No	16		80.6	200	0		
Generator	No	50		80.6	200	0		
Man Lift	No	20		74.7	225	0		
Tractor	No	40	84		225	0		
Welder / Torch	No	40		74	250	0		
Welder / Torch	No	40		74	250	0		
		Results						
		Calculated (dBA)		Noise Limits (dBA)				
				Day	Evening	Night		
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Man Lift		63.8	56.8	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck		68.3	61.3	N/A	N/A	N/A	N/A	N/A
Crane		68.5	60.6	N/A	N/A	N/A	N/A	N/A
Generator		68.6	65.6	N/A	N/A	N/A	N/A	N/A
Man Lift		61.6	54.6	N/A	N/A	N/A	N/A	N/A
Tractor		70.9	67	N/A	N/A	N/A	N/A	N/A
Welder / Torch		60	56	N/A	N/A	N/A	N/A	N/A
Welder / Torch		60	56	N/A	N/A	N/A	N/A	N/A
Total		70.9	71	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.								

		---- Receptor #2 ----					
		Baselines (dBA)					
Description	Land Use	Daytime	Evening	Night			
Acoustical Center 530'	Residential	65	60	55			
		Equipment					
		Impact		Spec	Actual	Receptor	Estimated
		Device	Usage(%)	Lmax	Lmax	Distance	Shielding
				(dBA)	(dBA)	(feet)	(dBA)
Man Lift		No	20		74.7	530	0
Drill Rig Truck		No	20		79.1	530	0
Crane		No	16		80.6	530	0

Generator	No	50	80.6	530	0
Man Lift	No	20	74.7	530	0
Tractor	No	40	84	530	0
Welder / Torch	No	40	74	530	0
Welder / Torch	No	40	74	530	0

Results							
Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	
Man Lift	54.2	47.2	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck	58.6	51.6	N/A	N/A	N/A	N/A	N/A
Crane	60	52.1	N/A	N/A	N/A	N/A	N/A
Generator	60.1	57.1	N/A	N/A	N/A	N/A	N/A
Man Lift	54.2	47.2	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Total	63.5	63	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Paving

---- Receptor #1 ----					
Description	Land Use	Baselines (dBA)			
		Daytime	Evening	Night	
Nearest Receiver 175'	Residential	65	60	55	

Description	Equipment				
	Impact Device	Usage(%)	Spec	Actual	Receptor Distance (feet)
			Lmax (dBA)	Lmax (dBA)	
Paver	No	50		77.2	175
All Other Equipment > 5 HP	No	50	85		175
Roller	No	20		80	200

Results							
Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	
Paver	66.3	63.3	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	74.1	71.1	N/A	N/A	N/A	N/A	N/A
Roller	68	61	N/A	N/A	N/A	N/A	N/A
Total	74.1	72.1	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

		---- Receptor #2 ----						
		Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night				
Acoustical Center 530'	Residential	65	60	55				
		Equipment						
		Impact	Spec	Actual	Receptor	Estimated		
Description		Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Paver		No	50		77.2	530	0	
All Other Equipment > 5 HP		No	50	85		530	0	
Roller		No	20		80	530	0	
		Results						
		Calculated (dBA)			Noise Limits (dBA)			
				Day	Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Paver		56.7	53.7	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		64.5	61.5	N/A	N/A	N/A	N/A	N/A
Roller		59.5	52.5	N/A	N/A	N/A	N/A	N/A
	Total	64.5	62.6	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.								

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Trenching

		---- Receptor #1 ----					
		Baselines (dBA)					
Description	Land Use	Daytime	Evening	Night			
Nearest Receiver 175'	Residential	65	60	55			
		Equipment					
		Impact	Spec	Actual	Receptor	Estimated	
Description		Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Excavator		No	40		80.7	175	0
Roller		No	20		80	175	0
Tractor		No	40	84		200	0
Backhoe		No	40		77.6	200	0
		Results					
		Calculated (dBA)		Noise Limits (dBA)			
				Day	Evening		Night

Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator		69.8		65.8	N/A	N/A	N/A	N/A
Roller		69.1		62.1	N/A	N/A	N/A	N/A
Tractor		72		68	N/A	N/A	N/A	N/A
Backhoe		65.5		61.5	N/A	N/A	N/A	N/A
Total		72		71.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	530	0
Roller	No	20		80	530	0
Tractor	No	40	84		530	0
Backhoe	No	40		77.6	530	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day	Evening	Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		60.2		56.2	N/A	N/A	N/A
Roller		59.5		52.5	N/A	N/A	N/A
Tractor		63.5		59.5	N/A	N/A	N/A
Backhoe		57.1		53.1	N/A	N/A	N/A
Total		63.5		62.3	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Architectural Coating

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)

Compressor (air)	No	40	77.7	175	0
Compressor (air)	No	40	77.7	175	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Compressor (air)	66.8	62.8	N/A	N/A	N/A	N/A	N/A
Compressor (air)	66.8	62.8	N/A	N/A	N/A	N/A	N/A
Total	66.8	65.8	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Compressor (air)	No	40		77.7	530	0
Compressor (air)	No	40		77.7	530	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Compressor (air)	57.2	53.2	N/A	N/A	N/A	N/A	N/A
Compressor (air)	57.2	53.2	N/A	N/A	N/A	N/A	N/A
Total	57.2	56.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Tractor	No	40	84		175	0
Front End Loader	No	40		79.1	175	0
Backhoe	No	40		77.6	200	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Tractor	73.1	69.1	N/A	N/A	N/A	N/A	N/A
Front End Loader	68.2	64.2	N/A	N/A	N/A	N/A	N/A
Backhoe	65.5	61.5	N/A	N/A	N/A	N/A	N/A
Total	73.1	70.9	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Tractor	No	40	84		530	0
Front End Loader	No	40		79.1	530	0
Backhoe	No	40		77.6	530	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A	N/A

Backhoe		57.1	53.1	N/A	N/A	N/A	N/A	N/A
Total		63.5	61.4	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Site Preparation

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Grader	No	40	85		175	0
Backhoe	No	40		77.6	175	0
Tractor	No	40	84		200	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Grader	74.1	70.1	N/A	N/A	N/A	N/A	N/A
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A	N/A
Tractor	72	68	N/A	N/A	N/A	N/A	N/A
Total	74.1	72.7	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Grader	No	40	85		530	0
Backhoe	No	40		77.6	530	0
Tractor	No	40	84		530	0

Results

Calculated (dBA)	Noise Limits (dBA)
------------------	--------------------

Equipment	*Lmax	Leq	Day		Evening		Night
			Lmax	Leq	Lmax	Leq	Lmax
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Backhoe	57.1	53.1	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Total	64.5	63.5	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact	Device	Usage(%)	Equipment		
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Excavator	No		40		80.7	175
Grader	No		40	85		175
Grader	No		40	85		200
Roller	No		20		80	200
Backhoe	No		40		77.6	225
Tractor	No		40	84		225

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day	Evening	Night		
Excavator	69.8	65.8	N/A	N/A	N/A	N/A	N/A
Grader	74.1	70.1	N/A	N/A	N/A	N/A	N/A
Grader	73	69	N/A	N/A	N/A	N/A	N/A
Roller	68	61	N/A	N/A	N/A	N/A	N/A
Backhoe	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A
Total	74.1	74.7	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec	Actual		
			Lmax (dBA)	Lmax (dBA)		
Excavator	No	40		80.7	530	0
Grader	No	40	85		530	0
Grader	No	40	85		530	0
Roller	No	20		80	530	0
Backhoe	No	40		77.6	530	0
Tractor	No	40	84		530	0

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Excavator	60.2	56.2	N/A	N/A	N/A	N/A	N/A
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Roller	59.5	52.5	N/A	N/A	N/A	N/A	N/A
Backhoe	57.1	53.1	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Total	64.5	66	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Building Construction

---- Receptor #1 ----				
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec	Actual		
			Lmax (dBA)	Lmax (dBA)		
Man Lift	No	20		74.7	175	0
Crane	No	16		80.6	175	0
Generator	No	50		80.6	200	0
All Other Equipment > 5 HP	No	50	85		200	0
Man Lift	No	20		74.7	225	0
Man Lift	No	20		74.7	225	0
Tractor	No	40	84		250	0
Welder / Torch	No	40		74	250	0
Welder / Torch	No	40		74	300	0

Welder / Torch	No	40	74	275	0
Welder / Torch	No	40	74	275	0
Welder / Torch	No	40	74	300	0
Welder / Torch	No	40	74	325	0

*Calculated Lmax is the Loudest value.

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	Lmax
Man Lift	54.2	47.2	N/A	N/A	N/A	N/A	N/A
Crane	60	52.1	N/A	N/A	N/A	N/A	N/A
Generator	60.1	57.1	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	64.5	61.5	N/A	N/A	N/A	N/A	N/A
Man Lift	54.2	47.2	N/A	N/A	N/A	N/A	N/A
Man Lift	54.2	47.2	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Total	64.5	65.6	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Paving

---- Receptor #1 ----				
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Equipment					
	Impact	Spec	Actual	Receptor	Estimated	
	Device	Lmax	Lmax	Distance	Shielding	
		Usage(%)	(dBA)	(feet)	(dBA)	
Paver	No	50		77.2	175	0
All Other Equipment > 5 HP	No	50	85		175	0
Roller	No	20		80	200	0

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	Lmax
Paver	66.3	63.3	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	74.1	71.1	N/A	N/A	N/A	N/A	N/A
Roller	68	61	N/A	N/A	N/A	N/A	N/A
Total	74.1	72.1	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

		---- Receptor #2 ----						
		Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night				
Acoustical Center 530'	Residential	65	60	55				
		Equipment						
		Impact	Spec	Actual	Receptor	Estimated		
Description		Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Paver		No	50		77.2	530	0	
All Other Equipment > 5 HP		No	50	85		530	0	
Roller		No	20		80	530	0	
		Results						
		Calculated (dBA)		Noise Limits (dBA)				
				Day	Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Paver		56.7	53.7	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		64.5	61.5	N/A	N/A	N/A	N/A	N/A
Roller		59.5	52.5	N/A	N/A	N/A	N/A	N/A
	Total	64.5	62.6	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.								

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Trenching

		---- Receptor #1 ----					
		Baselines (dBA)					
Description	Land Use	Daytime	Evening	Night			
Nearest Receiver 175'	Residential	65	60	55			
		Equipment					
		Impact	Spec	Actual	Receptor	Estimated	
Description		Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Excavator		No	40		80.7	175	0
Roller		No	20		80	175	0
Backhoe		No	40		77.6	200	0
Tractor		No	40	84		200	0
		Results					
		Calculated (dBA)		Noise Limits (dBA)			
				Day	Evening		Night

Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator		69.8		65.8	N/A	N/A	N/A	N/A
Roller		69.1		62.1	N/A	N/A	N/A	N/A
Backhoe		65.5		61.5	N/A	N/A	N/A	N/A
Tractor		72		68	N/A	N/A	N/A	N/A
Total		72		71.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	530	0
Roller	No	20		80	530	0
Backhoe	No	40		77.6	530	0
Tractor	No	40	84		530	0

Results

		Calculated (dBA)		Noise Limits (dBA)			
				Day	Evening	Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		60.2		56.2	N/A	N/A	N/A
Roller		59.5		52.5	N/A	N/A	N/A
Backhoe		57.1		53.1	N/A	N/A	N/A
Tractor		63.5		59.5	N/A	N/A	N/A
Total		63.5		62.3	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/11/2019
Case Description: Kaiser Moreno Valley_Architectural Coating

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)

Compressor (air)	No	40	77.7	175	0
Compressor (air)	No	40	77.7	175	0

Results

		Calculated (dBA)			Noise Limits (dBA)		
Equipment		*Lmax	Leq	Day	Evening		Night
				Lmax	Leq	Lmax	Leq
Compressor (air)		66.8	62.8	N/A	N/A	N/A	N/A
Compressor (air)		66.8	62.8	N/A	N/A	N/A	N/A
	Total	66.8	65.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Compressor (air)	No	40		77.7	530	0
Compressor (air)	No	40		77.7	530	0

Results

		Calculated (dBA)			Noise Limits (dBA)			
Equipment		*Lmax	Leq	Day	Evening			Night
				Lmax	Leq	Lmax	Leq	Lmax
Compressor (air)		57.2	53.2	N/A	N/A	N/A	N/A	N/A
Compressor (air)		57.2	53.2	N/A	N/A	N/A	N/A	N/A
	Total	57.2	56.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/12/2019
Case Description: Kaiser Moreno Valley_Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40		77.6	175	0
Backhoe	No	40		77.6	175	0
Tractor	No	40	84		200	0
Front End Loader	No	40		79.1	200	0
Front End Loader	No	40		79.1	225	0
Front End Loader	No	40		79.1	225	0
Tractor	No	40	84		250	0
Tractor	No	40	84		250	0
Front End Loader	No	40		79.1	275	0
Tractor	No	40	84		275	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A	N/A
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A	N/A
Tractor	72	68	N/A	N/A	N/A	N/A	N/A
Front End Loader	67.1	63.1	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A
Tractor	70	66	N/A	N/A	N/A	N/A	N/A
Tractor	70	66	N/A	N/A	N/A	N/A	N/A
Front End Loader	64.3	60.3	N/A	N/A	N/A	N/A	N/A
Tractor	69.2	65.2	N/A	N/A	N/A	N/A	N/A
Total	72	74.4	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Equipment					
	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Backhoe	No	40		77.6	530	0
Backhoe	No	40		77.6	530	0
Tractor	No	40	84		530	0
Front End Loader	No	40		79.1	530	0
Front End Loader	No	40		79.1	530	0
Front End Loader	No	40		79.1	530	0
Tractor	No	40	84		530	0
Tractor	No	40	84		530	0
Front End Loader	No	40		79.1	530	0
Tractor	No	40	84		530	0

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Backhoe	57.1	53.1	N/A	N/A	N/A	N/A	N/A
Backhoe	57.1	53.1	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Total	63.5	67.1	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/12/2019
Case Description: Kaiser Moreno Valley_Site Preparation

---- Receptor #1 ----				
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Equipment					
	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Grader	No	40		85	175	0

Backhoe	No	40	77.6	175	0
Tractor	No	40	84	200	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	74.1	70.1	N/A	N/A	N/A	N/A	N/A
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A	N/A
Tractor	72	68	N/A	N/A	N/A	N/A	N/A
Total	74.1	72.7	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

---- Receptor #2 ----				
Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Equipment						
		Spec	Actual	Receptor	Estimated	
Impact		Lmax	Lmax	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85	530	0	
Backhoe	No	40	77.6	530	0	
Tractor	No	40	84	530	0	

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Backhoe	57.1	53.1	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Total	64.5	63.5	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.							

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/12/2019
Case Description: Kaiser Moreno Valley_Grading

---- Receptor #1 ----				
Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	175	0
Grader	No	40	85		175	0
Grader	No	40	85		200	0
Roller	No	20		80	200	0
Front End Loader	No	40		79.1	225	0
Tractor	No	40	84		225	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator	69.8	65.8	N/A	N/A	N/A	N/A	N/A
Grader	74.1	70.1	N/A	N/A	N/A	N/A	N/A
Grader	73	69	N/A	N/A	N/A	N/A	N/A
Roller	68	61	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A
Total	74.1	74.8	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment	Actual	Receptor	Estimated
			Spec Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	530	0
Grader	No	40	85		530	0
Grader	No	40	85		530	0
Roller	No	20		80	530	0
Front End Loader	No	40		79.1	530	0
Tractor	No	40	84		530	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator	60.2	56.2	N/A	N/A	N/A	N/A	N/A
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Grader	64.5	60.5	N/A	N/A	N/A	N/A	N/A
Roller	59.5	52.5	N/A	N/A	N/A	N/A	N/A

Front End Loader		58.6	54.6	N/A	N/A	N/A	N/A	N/A
Tractor		63.5	59.5	N/A	N/A	N/A	N/A	N/A
	Total	64.5	66.1	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/12/2019
Case Description: Kaiser Moreno Valley_Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	175	0
Crane	No	16		80.6	175	0
Generator	No	50		80.6	200	0
All Other Equipment > 5 HP	No	50	85		200	0
Man Lift	No	20		74.7	225	0
Tractor	No	40	84		225	0
Welder / Torch	No	40		74	250	0
Welder / Torch	No	40		74	250	0
Welder / Torch	No	40		74	275	0
Welder / Torch	No	40		74	275	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Man Lift	63.8	56.8	N/A	N/A	N/A	N/A	N/A
Crane	69.7	61.7	N/A	N/A	N/A	N/A	N/A
Generator	68.6	65.6	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	73	69.9	N/A	N/A	N/A	N/A	N/A
Man Lift	61.6	54.6	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A
Welder / Torch	60	56	N/A	N/A	N/A	N/A	N/A
Welder / Torch	60	56	N/A	N/A	N/A	N/A	N/A
Welder / Torch	59.2	55.2	N/A	N/A	N/A	N/A	N/A
Welder / Torch	59.2	55.2	N/A	N/A	N/A	N/A	N/A
Total	73	73.5	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

		---- Receptor #2 ----		
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	530	0
Crane	No	16		80.6	530	0
Generator	No	50		80.6	530	0
All Other Equipment > 5 HP	No	50	85		530	0
Man Lift	No	20		74.7	530	0
Tractor	No	40	84		530	0
Welder / Torch	No	40		74	530	0
Welder / Torch	No	40		74	530	0
Welder / Torch	No	40		74	530	0
Welder / Torch	No	40		74	530	0

Equipment	Results			Noise Limits (dBA)			
	Calculated (dBA)		Day Lmax	Leq	Evening		Night Lmax
	*Lmax	Leq			Lmax	Leq	
Man Lift	54.2	47.2	N/A	N/A	N/A	N/A	N/A
Crane	60	52.1	N/A	N/A	N/A	N/A	N/A
Generator	60.1	57.1	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	64.5	61.5	N/A	N/A	N/A	N/A	N/A
Man Lift	54.2	47.2	N/A	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.5	49.5	N/A	N/A	N/A	N/A	N/A
Total	64.5	65.4	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/12/2019
Case Description: Kaiser Moreno Valley_Paving

		---- Receptor #1 ----		
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description			Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
	Impact Device	Usage(%)	Spec	Actual		
			Lmax (dBA)	Lmax (dBA)		
Paver	No	50		77.2	175	0
All Other Equipment > 5 HP	No	50	85		175	0
Roller	No	20		80	200	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
Equipment	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	Lmax
Paver	66.3	63.3	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	74.1	71.1	N/A	N/A	N/A	N/A	N/A
Roller	68	61	N/A	N/A	N/A	N/A	N/A
Total	74.1	72.1	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description			Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
	Impact Device	Usage(%)	Spec	Actual		
			Lmax (dBA)	Lmax (dBA)		
Paver	No	50		77.2	530	0
All Other Equipment > 5 HP	No	50	85		530	0
Roller	No	20		80	530	0

Results							
Calculated (dBA)				Noise Limits (dBA)			
Equipment	*Lmax	Leq	Day	Leq	Evening		Night
			Lmax		Lmax	Leq	Lmax
Paver	56.7	53.7	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	64.5	61.5	N/A	N/A	N/A	N/A	N/A
Roller	59.5	52.5	N/A	N/A	N/A	N/A	N/A
Total	64.5	62.6	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 3/12/2019
Case Description: Kaiser Moreno Valley_Trenching

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 175'	Residential	65	60	55

Description	Impact	Device	Usage(%)	Equipment		
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Excavator	No		40		80.7	175
Roller	No		20		80	175
Backhoe	No		40		77.6	200
Tractor	No		40	84		200

Equipment	Results							
	Calculated (dBA)				Noise Limits (dBA)			
			Day		Evening		Night	
	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Excavator	69.8		65.8	N/A	N/A	N/A	N/A	N/A
Roller	69.1		62.1	N/A	N/A	N/A	N/A	N/A
Backhoe	65.5		61.5	N/A	N/A	N/A	N/A	N/A
Tractor	72		68	N/A	N/A	N/A	N/A	N/A
Total	72		71.2	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Acoustical Center 530'	Residential	65	60	55

Description	Impact	Device	Usage(%)	Equipment		
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Excavator	No		40		80.7	530
Roller	No		20		80	530
Backhoe	No		40		77.6	530
Tractor	No		40	84		530

Equipment	Results							
	Calculated (dBA)				Noise Limits (dBA)			
			Day		Evening		Night	
	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Excavator	60.2		56.2	N/A	N/A	N/A	N/A	N/A
Roller	59.5		52.5	N/A	N/A	N/A	N/A	N/A
Backhoe	57.1		53.1	N/A	N/A	N/A	N/A	N/A
Tractor	63.5		59.5	N/A	N/A	N/A	N/A	N/A
Total	63.5		62.3	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

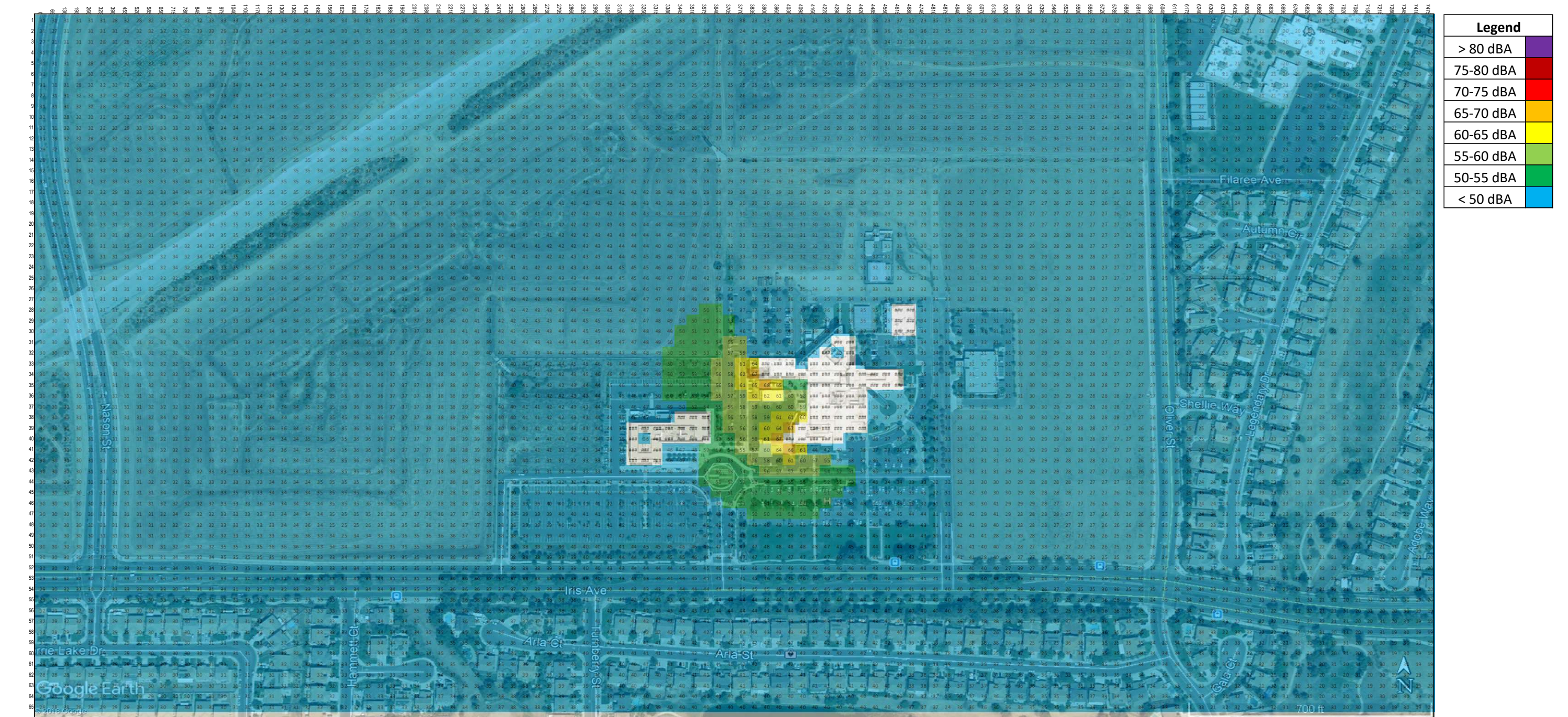
Report date: 3/12/2019
Case Description: Kaiser Moreno Valley_Architectural Coating

		---- Receptor #1 ----						
		Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night				
Nearest Receiver 175'	Residential	65	60	55				
		Equipment						
		Impact		Spec	Actual	Receptor	Estimated	
Description		Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Compressor (air)		No	40		77.7	175	0	
Compressor (air)		No	40		77.7	175	0	
		Results						
		Calculated (dBA)		Noise Limits (dBA)				
				Day		Evening		Night
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Compressor (air)		66.8	62.8	N/A	N/A	N/A	N/A	N/A
Compressor (air)		66.8	62.8	N/A	N/A	N/A	N/A	N/A
	Total	66.8	65.8	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.								

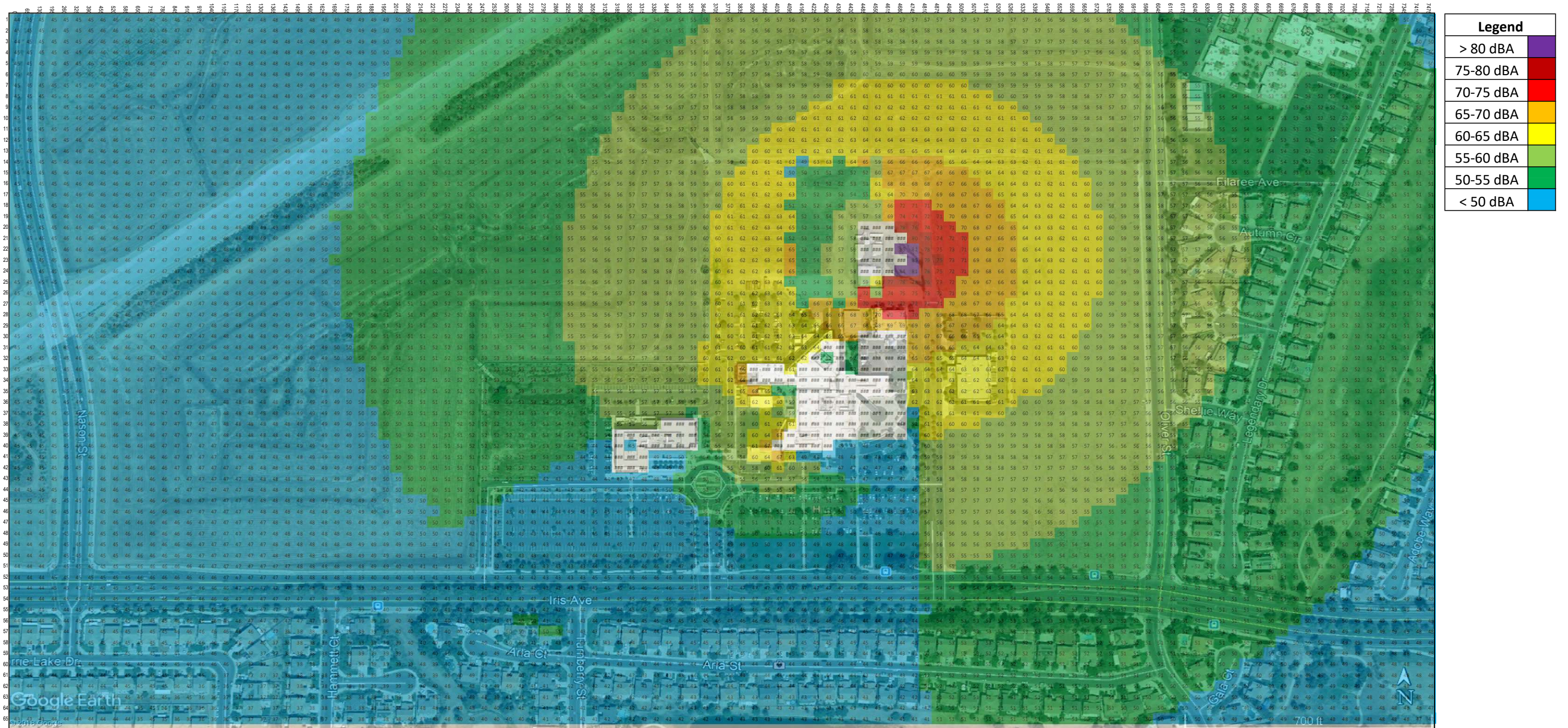
*Calculated Lmax is the Loudest value.

		---- Receptor #2 ----						
		Baselines (dBA)						
Description	Land Use	Daytime	Evening	Night				
Acoustical Center 530'	Residential	65	60	55				
		Equipment						
		Impact		Spec	Actual	Receptor	Estimated	
		Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Compressor (air)		No	40		77.7	530	0	
Compressor (air)		No	40		77.7	530	0	
		Results						
		Calculated (dBA)		Noise Limits (dBA)				
				Day	Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Compressor (air)		57.2	53.2	N/A	N/A	N/A	N/A	N/A
Compressor (air)		57.2	53.2	N/A	N/A	N/A	N/A	N/A
	Total	57.2	56.2	N/A	N/A	N/A	N/A	N/A

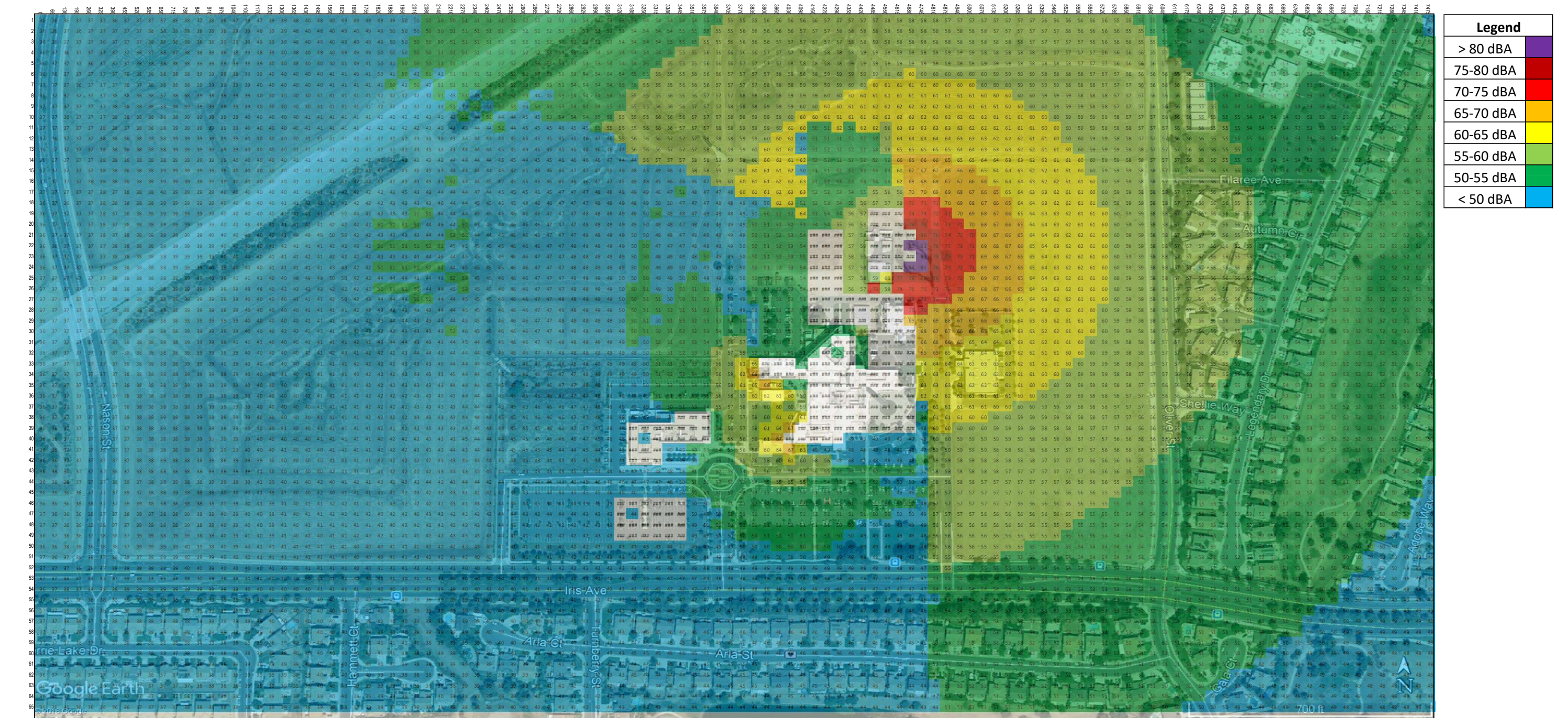
*Calculated Lmax is the Loudest value.



Scale: this box = 700 feet



Scale: this box = 700 feet



Scale: this box = 700 feet

