Appendix A

Air Quality/Greenhouse Gas/Energy Data

VA Medical Facility - Ventura County APCD Air District, Summer

VA Medical Facility

Ventura County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.59	1000sqft	1.23	50,589.00	0
Parking Lot	339.00	Space	6.76	135,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - total area is 7.99 acres

Construction Phase - construction phase provided by project applicant

Off-road Equipment -

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Trips and VMT - hauling distance provided by project applicant

Demolition -

Grading -

Vehicle Trips - account for existing trip credits

Energy Use -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Architectural Coating - VCAPCD Rule 74.2

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	230.00	195.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	20.00	45.00
tblGrading	MaterialImported	0.00	850.00
tblLandUse	LandUseSquareFeet	50,590.00	50,589.00
tblLandUse	LotAcreage	1.16	1.23
tblLandUse	LotAcreage	3.05	6.76
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripLength	20.00	22.00

tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripNumber	106.00	84.00
tblTripsAndVMT	WorkerTripNumber	10.00	15.00
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	8.00	13.00
tblVehicleEF	HHD	0.80	0.03
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.61	5.61
tblVehicleEF	HHD	1.05	0.68
tblVehicleEF	HHD	3.25	4.6410e-003
tblVehicleEF	HHD	4,218.47	1,081.28
tblVehicleEF	HHD	1,622.84	1,475.02
tblVehicleEF	HHD	10.18	0.06
tblVehicleEF	HHD	20.73	6.08
tblVehicleEF	HHD	3.69	3.84
tblVehicleEF	HHD	19.60	2.03
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.04	9.6180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	7.6000e-005	6.0000e-006
tblVehicleEF	HHD	4.5850e-003	2.9300e-004
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tblVehicleEF	HHD	6.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.12	0.11

tblVehicleEF	HHD	4.8000e-004	1.9440e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5500e-004	1.0000e-006
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tblVehicleEF	HHD	6.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	4.8000e-004	1.9440e-003
tblVehicleEF	HHD	0.09	3.0000e-006
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tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.08	1.0000e-006
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tblVehicleEF	HHD	1.06	0.68
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tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003

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tblVehicleEF	HHD	0.05	0.01

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tblVehicleEF	HHD	0.03	0.04
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tblVehicleEF	HHD	8.3000e-005	2.0000e-006
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
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tblVehicleEF	HHD	5.3000e-005	4.0000e-006
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tblVehicleEF	LDA	58.89	55.48

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tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.27
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tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.66	0.76
tblVehicleEF	LDA	1.08	1.89
tblVehicleEF	LDA	271.93	275.59
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tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003

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tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
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tblVehicleEF	LDA	0.04	0.21
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tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.59	0.68
tblVehicleEF	LDA	1.47	2.57
tblVehicleEF	LDA	258.24	262.02
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tblVehicleEF	LDA	0.09	0.22
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tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
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tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.09	0.29

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tblVehicleEF	LDA	6.1400e-004	5.5400e-004
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tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDT1	1.40	1.54
tblVehicleEF	LDT1	3.72	2.61
tblVehicleEF	LDT1	322.08	316.43
tblVehicleEF	LDT1	73.17	67.76
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.21	0.33
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.26	0.48
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tblVehicleEF	LDT1	0.05	0.05
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tblVehicleEF	LDT1	4.15	2.91

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tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
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tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
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tblVehicleEF	LDT1	0.07	0.08
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tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.34
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tblVehicleEF	LDT2	2.2890e-003	1.9250e-003

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tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02
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tblVehicleEF	LDT2	0.11	0.38
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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
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tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.06	0.45
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tblVehicleEF	LDT2	8.4700e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
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tblVehicleEF	LDT2	0.06	0.45
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tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
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tblVehicleEF	LDT2	3.5910e-003	3.3710e-003
tblVehicleEF	LDT2	8.5500e-004	7.3400e-004
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16

tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.13	0.45
tblVehicleEF	LHD1	5.4500e-003	4.8740e-003
tblVehicleEF	LHD1	0.01	7.0360e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	2.80	1.06
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.54
tblVehicleEF	LHD1	30.81	10.72
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.01	1.61
tblVehicleEF	LHD1	1.01	0.31
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005

tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
tblVehicleEF	LHD1	3.6100e-004	1.0600e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4500e-003	4.8890e-003
tblVehicleEF	LHD1	0.01	7.1990e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.08	0.89
tblVehicleEF	LHD1	2.63	1.00
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.57
tblVehicleEF	LHD1	30.81	10.60
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	1.91	1.53
tblVehicleEF	LHD1	0.95	0.29
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
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tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
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tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
tblVehicleEF	LHD1	3.5800e-004	1.0500e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.29	0.09
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tblVehicleEF	LHD1	0.01	6.9320e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.04	0.86
tblVehicleEF	LHD1	2.93	1.11
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.52
tblVehicleEF	LHD1	30.81	10.80
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.00	1.60
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9610e-003	6.3090e-003
tblVehicleEF	LHD1	3.6300e-004	1.0700e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD2	4.2020e-003	3.5550e-003
tblVehicleEF	LHD2	4.9950e-003	4.5140e-003
tblVehicleEF	LHD2	9.9130e-003	0.01
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tblVehicleEF	LHD2	0.47	0.55
tblVehicleEF	LHD2	1.40	0.68
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.88
tblVehicleEF	LHD2	27.72	8.34
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.38	1.61
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tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
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tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.3990e-003
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tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5650e-003
tblVehicleEF	LHD2	5.0750e-003	4.5680e-003
tblVehicleEF	LHD2	9.4460e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.56
tblVehicleEF	LHD2	1.32	0.64
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.89

tblVehicleEF	LHD2	27.72	8.27
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.4000e-003
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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
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tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5470e-003
tblVehicleEF	LHD2	4.9440e-003	4.4790e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	0.13	0.14
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tblVehicleEF	LHD2	624.25	662.87
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tblVehicleEF	LHD2	1.37	1.61
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tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0830e-003	6.3990e-003
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tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.07	0.08

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tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.46	0.35
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tblVehicleEF	MCY	20.09	20.37
tblVehicleEF	MCY	9.88	8.73
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tblVehicleEF	MCY	47.17	62.39
tblVehicleEF	MCY	1.15	1.15
tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.23	1.96
tblVehicleEF	MCY	2.1330e-003	2.1180e-003
tblVehicleEF	MCY	6.9900e-004	6.1700e-004
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.97	2.99
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.42	2.14
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.75	19.00
tblVehicleEF	MCY	8.78	7.72

tblVehicleEF	MCY	173.31	211.50
tblVehicleEF	MCY	47.17	59.78
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.30	0.25
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	1.90	1.66
tblVehicleEF	MCY	2.1080e-003	2.0930e-003
tblVehicleEF	MCY	6.7100e-004	5.9200e-004
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.85	2.86
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	0.47	0.36
tblVehicleEF	MCY	0.18	0.28
tblVehicleEF	MCY	21.20	21.51
tblVehicleEF	MCY	10.68	9.48
tblVehicleEF	MCY	173.31	216.12
tblVehicleEF	MCY	47.17	64.29
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	0.33	0.28
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003

tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	2.50	2.52
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.46	2.18
tblVehicleEF	MCY	2.1530e-003	2.1390e-003
tblVehicleEF	MCY	7.1900e-004	6.3600e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	3.06	3.08
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.67	2.37
tblVehicleEF	MDV	0.01	6.3020e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.36	1.23
tblVehicleEF	MDV	3.39	3.65
tblVehicleEF	MDV	492.62	422.92
tblVehicleEF	MDV	110.36	90.44
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.31	0.44
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03

tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	4.9360e-003	4.1810e-003
tblVehicleEF	MDV	1.1630e-003	8.9500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.01	6.6830e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.46	1.32
tblVehicleEF	MDV	2.79	2.99
tblVehicleEF	MDV	513.29	435.26
tblVehicleEF	MDV	110.36	89.15
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.28	0.40
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.23	0.44
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tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18

tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.25	0.48
tblVehicleEF	MDV	0.01	6.1890e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.35	1.22
tblVehicleEF	MDV	3.76	4.07
tblVehicleEF	MDV	488.70	420.59
tblVehicleEF	MDV	110.36	91.24
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.33	0.46
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MDV	4.8970e-003	4.1580e-003
tblVehicleEF	MDV	1.1700e-003	9.0300e-004
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.31	0.61
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03

tblVehicleEF	MH	3.14	1.61
tblVehicleEF	MH	6.76	2.28
tblVehicleEF	MH	1,096.41	1,520.04
tblVehicleEF	MH	59.77	19.90
tblVehicleEF	MH	1.66	1.55
tblVehicleEF	MH	0.94	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.39	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1600e-004	1.9700e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.26	1.67
tblVehicleEF	MH	6.24	2.11
tblVehicleEF	MH	1,096.41	1,520.13
tblVehicleEF	MH	59.77	19.62

tblVehicleEF	MH	1.55	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.9400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.07	1.58
tblVehicleEF	MH	7.07	2.38
tblVehicleEF	MH	1,096.41	1,519.98
tblVehicleEF	MH	59.77	20.07
tblVehicleEF	MH	1.66	1.54
tblVehicleEF	MH	0.99	0.26
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04

tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2100e-004	1.9900e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.44	0.12
tblVehicleEF	MHD	0.02	2.9890e-003
tblVehicleEF	MHD	4.8120e-003	6.5110e-003
tblVehicleEF	MHD	0.06	8.3850e-003
tblVehicleEF	MHD	0.37	0.33
tblVehicleEF	MHD	0.37	0.59
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tblVehicleEF	MHD	149.65	72.76
tblVehicleEF	MHD	1,121.50	1,017.66
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tblVehicleEF	MHD	1.19	2.35
tblVehicleEF	MHD	11.42	1.22
tblVehicleEF	MHD	1.6840e-003	2.2720e-003
tblVehicleEF	MHD	7.5760e-003	0.07

tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.6110e-003	2.1730e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	1.4390e-003	6.9000e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9100e-004	7.9000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.46	0.05
tblVehicleEF	MHD	0.02	2.8380e-003
tblVehicleEF	MHD	4.9090e-003	6.5610e-003
tblVehicleEF	MHD	0.06	7.9820e-003
tblVehicleEF	MHD	0.27	0.28
tblVehicleEF	MHD	0.37	0.60
tblVehicleEF	MHD	6.62	0.96
tblVehicleEF	MHD	158.51	74.12
tblVehicleEF	MHD	1,121.50	1,017.67
tblVehicleEF	MHD	56.66	7.84
tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	1.14	2.24

tblVehicleEF	MHD	11.36	1.21
tblVehicleEF	MHD	1.4200e-003	1.9180e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.3580e-003	1.8350e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.5230e-003	7.0300e-004
tblVehicleEF	MHD	0.01	9.6840e-003
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tblVehicleEF	MHD	1.5200e-003	6.2600e-004
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tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
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tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.44	0.05
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tblVehicleEF	MHD	1,121.50	1,017.65

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tblVehicleEF	MHD	2.0490e-003	2.7600e-003
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tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.9600e-003	2.6410e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	1.3240e-003	6.7200e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9700e-004	8.0000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
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tblVehicleEF	OBUS	0.74	1.37

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tblVehicleEF	OBUS	1.06	2.09
tblVehicleEF	OBUS	1.79	0.57
tblVehicleEF	OBUS	6.4000e-005	1.2590e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	6.1000e-005	1.2040e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.1000e-004	9.2900e-004
tblVehicleEF	OBUS	0.05	0.13
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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	5.2000e-005	1.0170e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.8770e-003	2.4600e-003
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tblVehicleEF	OBUS	0.42	0.14

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tblVehicleEF	SBUS	0.01	3.3230e-003
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tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
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tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.06	21.79
tblVehicleEF	UBUS	10.15	1.73
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.69
tblVehicleEF	UBUS	4.20	0.43
tblVehicleEF	UBUS	13.57	0.19
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003

tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.74	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4320e-003	1.9500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.81	0.11
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.09	21.79
tblVehicleEF	UBUS	8.57	1.46
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.25
tblVehicleEF	UBUS	4.00	0.42
tblVehicleEF	UBUS	13.50	0.18
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004

tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.67	0.09
tblVehicleEF	UBUS	8.3990e-003	5.8660e-003
tblVehicleEF	UBUS	1.4050e-003	1.9000e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.73	0.10
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.04	21.79
tblVehicleEF	UBUS	11.20	1.90
tblVehicleEF	UBUS	1,824.90	1,604.22
tblVehicleEF	UBUS	125.02	19.99
tblVehicleEF	UBUS	4.18	0.43
tblVehicleEF	UBUS	13.63	0.20
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003

tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.79	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4500e-003	1.9800e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	2.49	2.91
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.86	0.11
tblVehicleTrips	ST_TR	8.96	31.16
tblVehicleTrips	SU_TR	1.55	31.16
tblVehicleTrips	WD_TR	36.13	31.16

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.2232	28.7585	17.0826	0.0737	15.2010	1.1153	15.8811	2.4643	1.0262	3.1280	0.0000	7,766.7505	7,766.7505	1.0626	0.0000	7,787.8243
2021	12.3036	18.1960	12.2766	0.0350	0.9325	0.6275	1.5435	0.2520	0.5776	0.8253	0.0000	3,495.8297	3,495.8297	0.7222	0.0000	3,513.8839
Maximum	**12.3036**	**28.7585**	**17.0826**	**0.0737**	**15.2010**	**1.1153**	**15.8811**	**2.4643**	**1.0262**	**3.1280**	**0.0000**	**7,766.7505**	**7,766.7505**	**1.0626**	**0.0000**	**7,787.8243**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.2232	28.7585	17.0826	0.0737	6.4728	1.1153	7.1529	1.1426	1.0262	1.8063	0.0000	7,766.7505	7,766.7505	1.0626	0.0000	7,787.8243
2021	12.3036	18.1960	12.2766	0.0350	0.9325	0.6275	1.5435	0.2520	0.5776	0.8253	0.0000	3,495.8297	3,495.8297	0.7222	0.0000	3,513.8839
Maximum	**12.3036**	**28.7585**	**17.0826**	**0.0737**	**6.4728**	**1.1153**	**7.1529**	**1.1426**	**1.0262**	**1.8063**	**0.0000**	**7,766.7505**	**7,766.7505**	**1.0626**	**0.0000**	**7,787.8243**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.10**	**0.00**	**50.09**	**48.66**	**0.00**	**33.43**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Energy	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214
Mobile	3.8762	5.5117	26.5493	0.0687	6.5232	0.0901	6.6134	1.7408	0.0849	1.8258		7,029.0628	7,029.0628	0.3899		7,038.8110
Total	**5.3713**	**5.6363**	**26.6935**	**0.0694**	**6.5232**	**0.0997**	**6.6230**	**1.7408**	**0.0945**	**1.8353**		**7,178.1838**	**7,178.1838**	**0.3930**	**2.7300e-003**	**7,188.8233**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Energy	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
Mobile	3.8762	5.5117	26.5493	0.0687	6.5232	0.0901	6.6134	1.7408	0.0849	1.8258		7,029.0628	7,029.0628	0.3899		7,038.8110
Total	**5.3674**	**5.6013**	**26.6641**	**0.0692**	**6.5232**	**0.0971**	**6.6203**	**1.7408**	**0.0919**	**1.8327**		**7,136.1636**	**7,136.1636**	**0.3922**	**1.9600e-003**	**7,146.5533**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**0.62**	**0.11**	**0.30**	**0.00**	**2.67**	**0.04**	**0.00**	**2.81**	**0.14**	**0.00**	**0.59**	**0.59**	**0.21**	**28.21**	**0.59**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	10/18/2020	5	45	
2	Grading	Grading	10/19/2020	11/20/2020	5	25	
3	Building Construction	Building Construction	11/21/2020	8/22/2021	5	195	
4	Paving	Paving	11/21/2020	1/24/2021	5	45	
5	Architectural Coating	Architectural Coating	7/5/2021	9/5/2021	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 25

Acres of Paving: 6.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,884; Non-Residential Outdoor: 25,295; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Surfacing Equipment	1	8.00	263	0.30
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Paving	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	15.00	0.00	2,848.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Grading	6	18.00	0.00	84.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	73.00	31.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8653	0.0000	13.8653	2.0997	0.0000	2.0997			0.0000			0.0000
Off-Road	1.2962	10.5728	12.6967	0.0205		0.6019	0.6019		0.5889	0.5889		1,957.4819	1,957.4819	0.3131		1,965.3105
Total	**1.2962**	**10.5728**	**12.6967**	**0.0205**	**13.8653**	**0.6019**	**14.4672**	**2.0997**	**0.5889**	**2.6885**		**1,957.4819**	**1,957.4819**	**0.3131**		**1,965.3105**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4896	18.1528	3.9714	0.0520	1.2125	0.0774	1.2899	0.3320	0.0740	0.4060		5,690.1962	5,690.1962	0.5266		5,703.3620
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0329	0.4145	1.2000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		119.0724	119.0724	3.1800e-003		119.1518
Total	**0.5444**	**18.1857**	**4.3860**	**0.0532**	**1.3357**	**0.0782**	**1.4140**	**0.3646**	**0.0748**	**0.4395**		**5,809.2686**	**5,809.2686**	**0.5298**		**5,822.5138**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					5.1371	0.0000	5.1371	0.7779	0.0000	0.7779			0.0000			0.0000
Off-Road	1.2962	10.5728	12.6967	0.0205		0.6019	0.6019		0.5889	0.5889	0.0000	1,957.4819	1,957.4819	0.3131		1,965.3105
Total	**1.2962**	**10.5728**	**12.6967**	**0.0205**	**5.1371**	**0.6019**	**5.7390**	**0.7779**	**0.5889**	**1.3668**	**0.0000**	**1,957.4819**	**1,957.4819**	**0.3131**		**1,965.3105**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4896	18.1528	3.9714	0.0520	1.2125	0.0774	1.2899	0.3320	0.0740	0.4060		5,690.1962	5,690.1962	0.5266		5,703.3620
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0329	0.4145	1.2000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		119.0724	119.0724	3.1800e-003		119.1518
Total	**0.5444**	**18.1857**	**4.3860**	**0.0532**	**1.3357**	**0.0782**	**1.4140**	**0.3646**	**0.0748**	**0.4395**		**5,809.2686**	**5,809.2686**	**0.5298**		**5,822.5138**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0653	0.0000	1.0653	0.1152	0.0000	0.1152			0.0000			0.0000
Off-Road	2.1314	24.6446	14.1946	0.0329		1.1101	1.1101		1.0213	1.0213		3,187.1109	3,187.1109	1.0308		3,212.8803
Total	**2.1314**	**24.6446**	**14.1946**	**0.0329**	**1.0653**	**1.1101**	**2.1754**	**0.1152**	**1.0213**	**1.1366**		**3,187.1109**	**3,187.1109**	**1.0308**		**3,212.8803**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0260	0.9637	0.2108	2.7600e-003	0.0644	4.1100e-003	0.0685	0.0176	3.9300e-003	0.0216		302.0919	302.0919	0.0280		302.7909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822
Total	**0.0918**	**1.0032**	**0.7083**	**4.1900e-003**	**0.2122**	**5.1500e-003**	**0.2174**	**0.0568**	**4.8900e-003**	**0.0617**		**444.9787**	**444.9787**	**0.0318**		**445.7730**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3947	0.0000	0.3947	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	2.1314	24.6446	14.1946	0.0329		1.1101	1.1101		1.0213	1.0213	0.0000	3,187.1109	3,187.1109	1.0308		3,212.8803
Total	**2.1314**	**24.6446**	**14.1946**	**0.0329**	**0.3947**	**1.1101**	**1.5048**	**0.0427**	**1.0213**	**1.0640**	**0.0000**	**3,187.1109**	**3,187.1109**	**1.0308**		**3,212.8803**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0260	0.9637	0.2108	2.7600e-003	0.0644	4.1100e-003	0.0685	0.0176	3.9300e-003	0.0216		302.0919	302.0919	0.0280		302.7909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822
Total	**0.0918**	**1.0032**	**0.7083**	**4.1900e-003**	**0.2122**	**5.1500e-003**	**0.2174**	**0.0568**	**4.8900e-003**	**0.0617**		**444.9787**	**444.9787**	**0.0318**		**445.7730**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4766	5.7800	3.2410	7.1100e-003		0.2405	0.2405		0.2212	0.2212		689.1097	689.1097	0.2229		694.6815
Total	**0.4766**	**5.7800**	**3.2410**	**7.1100e-003**		**0.2405**	**0.2405**		**0.2212**	**0.2212**		**689.1097**	**689.1097**	**0.2229**		**694.6815**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1038	3.3218	0.8488	8.0000e-003	0.2095	0.0199	0.2294	0.0603	0.0190	0.0793		859.9353	859.9353	0.0682		861.6391
Worker	0.2667	0.1602	2.0173	5.8200e-003	0.5997	4.2300e-003	0.6039	0.1591	3.9000e-003	0.1630		579.4855	579.4855	0.0155		579.8722
Total	**0.3705**	**3.4820**	**2.8661**	**0.0138**	**0.8092**	**0.0241**	**0.8334**	**0.2194**	**0.0229**	**0.2423**		**1,439.4208**	**1,439.4208**	**0.0836**		**1,441.5113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4766	5.7800	3.2410	7.1100e-003		0.2405	0.2405		0.2212	0.2212	0.0000	689.1097	689.1097	0.2229		694.6815
Total	**0.4766**	**5.7800**	**3.2410**	**7.1100e-003**		**0.2405**	**0.2405**		**0.2212**	**0.2212**	**0.0000**	**689.1097**	**689.1097**	**0.2229**		**694.6815**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1038	3.3218	0.8488	8.0000e-003	0.2095	0.0199	0.2294	0.0603	0.0190	0.0793		859.9353	859.9353	0.0682		861.6391
Worker	0.2667	0.1602	2.0173	5.8200e-003	0.5997	4.2300e-003	0.6039	0.1591	3.9000e-003	0.1630		579.4855	579.4855	0.0155		579.8722
Total	**0.3705**	**3.4820**	**2.8661**	**0.0138**	**0.8092**	**0.0241**	**0.8334**	**0.2194**	**0.0229**	**0.2423**		**1,439.4208**	**1,439.4208**	**0.0836**		**1,441.5113**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	0.4368	5.2467	3.1249	7.1200e-003		0.2131	0.2131		0.1961	0.1961		689.0948	689.0948	0.2229		694.6665
Total	**0.4368**	**5.2467**	**3.1249**	**7.1200e-003**		**0.2131**	**0.2131**		**0.1961**	**0.1961**		**689.0948**	**689.0948**	**0.2229**		**694.6665**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0871	2.9902	0.7663	7.9400e-003	0.2096	8.3300e-003	0.2179	0.0603	7.9600e-003	0.0683		854.3157	854.3157	0.0654		855.9506
Worker	0.2500	0.1443	1.8643	5.6400e-003	0.5997	4.1600e-003	0.6038	0.1591	3.8300e-003	0.1629		562.0920	562.0920	0.0141		562.4446
Total	**0.3371**	**3.1345**	**2.6306**	**0.0136**	**0.8092**	**0.0125**	**0.8217**	**0.2194**	**0.0118**	**0.2312**		**1,416.4077**	**1,416.4077**	**0.0795**		**1,418.3952**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4368	5.2467	3.1249	7.1200e-003		0.2131	0.2131		0.1961	0.1961	0.0000	689.0948	689.0948	0.2229		694.6665
Total	**0.4368**	**5.2467**	**3.1249**	**7.1200e-003**		**0.2131**	**0.2131**		**0.1961**	**0.1961**	**0.0000**	**689.0948**	**689.0948**	**0.2229**		**694.6665**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0871	2.9902	0.7663	7.9400e-003	0.2096	8.3300e-003	0.2179	0.0603	7.9600e-003	0.0683		854.3157	854.3157	0.0654		855.9506
Worker	0.2500	0.1443	1.8643	5.6400e-003	0.5997	4.1600e-003	0.6038	0.1591	3.8300e-003	0.1629		562.0920	562.0920	0.0141		562.4446
Total	**0.3371**	**3.1345**	**2.6306**	**0.0136**	**0.8092**	**0.0125**	**0.8217**	**0.2194**	**0.0118**	**0.2312**		**1,416.4077**	**1,416.4077**	**0.0795**		**1,418.3952**

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8914	10.5480	6.2422	0.0133		0.4420	0.4420		0.4067	0.4067		1,291.3133	1,291.3133	0.4176		1,301.7542
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2850**	**10.5480**	**6.2422**	**0.0133**		**0.4420**	**0.4420**		**0.4067**	**0.4067**		**1,291.3133**	**1,291.3133**	**0.4176**		**1,301.7542**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.0475**	**0.0285**	**0.3593**	**1.0400e-003**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**103.1961**	**103.1961**	**2.7500e-003**		**103.2649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8914	10.5480	6.2422	0.0133		0.4420	0.4420		0.4067	0.4067	0.0000	1,291.3133	1,291.3133	0.4176		1,301.7542
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2850**	**10.5480**	**6.2422**	**0.0133**		**0.4420**	**0.4420**		**0.4067**	**0.4067**	**0.0000**	**1,291.3133**	**1,291.3133**	**0.4176**		**1,301.7542**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649

Total	**0.0475**	**0.0285**	**0.3593**	**1.0400e-003**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**103.1961**	**103.1961**	**2.7500e-003**		**103.2649**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8345	9.7891	6.1890	0.0133		0.4012	0.4012		0.3691	0.3691		1,290.2287	1,290.2287	0.4173		1,300.6609
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2281**	**9.7891**	**6.1890**	**0.0133**		**0.4012**	**0.4012**		**0.3691**	**0.3691**		**1,290.2287**	**1,290.2287**	**0.4173**		**1,300.6609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0445	0.0257	0.3320	1.0000e-003	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		100.0986	100.0986	2.5100e-003		100.1614
Total	**0.0445**	**0.0257**	**0.3320**	**1.0000e-003**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**100.0986**	**100.0986**	**2.5100e-003**		**100.1614**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8345	9.7891	6.1890	0.0133		0.4012	0.4012		0.3691	0.3691	0.0000	1,290.2287	1,290.2287	0.4173		1,300.6609
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2281**	**9.7891**	**6.1890**	**0.0133**		**0.4012**	**0.4012**		**0.3691**	**0.3691**	**0.0000**	**1,290.2287**	**1,290.2287**	**0.4173**		**1,300.6609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0445	0.0257	0.3320	1.0000e-003	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		100.0986	100.0986	2.5100e-003		100.1614
Total	**0.0445**	**0.0257**	**0.3320**	**1.0000e-003**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**100.0986**	**100.0986**	**2.5100e-003**		**100.1614**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Total	**11.4783**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0297	0.3831	1.1600e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		115.4984	115.4984	2.9000e-003		115.5708
Total	**0.0514**	**0.0297**	**0.3831**	**1.1600e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**115.4984**	**115.4984**	**2.9000e-003**		**115.5708**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**11.4783**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0297	0.3831	1.1600e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		115.4984	115.4984	2.9000e-003		115.5708
Total	**0.0514**	**0.0297**	**0.3831**	**1.1600e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**115.4984**	**115.4984**	**2.9000e-003**		**115.5708**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8762	5.5117	26.5493	0.0687	6.5232	0.0901	6.6134	1.7408	0.0849	1.8258		7,029.0628	7,029.0628	0.3899		7,038.8110
Unmitigated	3.8762	5.5117	26.5493	0.0687	6.5232	0.0901	6.6134	1.7408	0.0849	1.8258		7,029.0628	7,029.0628	0.3899		7,038.8110

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	1,576.38	1,576.38	1576.38	3,085,378	3,085,378
Parking Lot	0.00	0.00	0.00		
Total	1,576.38	1,576.38	1,576.38	3,085,378	3,085,378

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Parking Lot	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
NaturalGas Unmitigated	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	1266.8	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0137**	**0.1242**	**0.1043**	**7.5000e-004**		**9.4400e-003**	**9.4400e-003**		**9.4400e-003**	**9.4400e-003**		**149.0358**	**149.0358**	**2.8600e-003**	**2.7300e-003**	**149.9214**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	0.909632	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**9.8100e-003**	**0.0892**	**0.0749**	**5.4000e-004**		**6.7800e-003**	**6.7800e-003**		**6.7800e-003**	**6.7800e-003**		**107.0155**	**107.0155**	**2.0500e-003**	**1.9600e-003**	**107.6515**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909

Unmitigated	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3470					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7300e-003	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Total	**1.4814**	**3.7000e-004**	**0.0399**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0853**	**0.0853**	**2.3000e-004**		**0.0909**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3470					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7300e-003	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Total	**1.4814**	**3.7000e-004**	**0.0399**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0853**	**0.0853**	**2.3000e-004**		**0.0909**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VA Medical Facility - Ventura County APCD Air District, Winter

VA Medical Facility

Ventura County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.59	1000sqft	1.23	50,589.00	0
Parking Lot	339.00	Space	6.76	135,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - total area is 7.99 acres

Construction Phase - construction phase provided by project applicant

Off-road Equipment -

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Trips and VMT - hauling distance provided by project applicant

Demolition -

Grading -

Vehicle Trips - account for existing trip credits

Energy Use -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Architectural Coating - VCAPCD Rule 74.2

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	230.00	195.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	20.00	45.00
tblGrading	MaterialImported	0.00	850.00
tblLandUse	LandUseSquareFeet	50,590.00	50,589.00
tblLandUse	LotAcreage	1.16	1.23
tblLandUse	LotAcreage	3.05	6.76
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripLength	20.00	22.00

tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripNumber	106.00	84.00
tblTripsAndVMT	WorkerTripNumber	10.00	15.00
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	8.00	13.00
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tblVehicleEF	HHD	1.05	0.68
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tblVehicleEF	HHD	1,622.84	1,475.02
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tblVehicleEF	HHD	20.73	6.08
tblVehicleEF	HHD	3.69	3.84
tblVehicleEF	HHD	19.60	2.03
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.04	9.6180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	7.6000e-005	6.0000e-006
tblVehicleEF	HHD	4.5850e-003	2.9300e-004
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tblVehicleEF	HHD	0.12	0.11

tblVehicleEF	HHD	4.8000e-004	1.9440e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	4.8000e-004	1.9440e-003
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tblVehicleEF	HHD	0.08	1.0000e-006
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tblVehicleEF	HHD	3.04	4.3330e-003
tblVehicleEF	HHD	4,467.26	1,079.03
tblVehicleEF	HHD	1,622.84	1,475.02
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tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
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tblVehicleEF	HHD	8.7030e-003	8.7940e-003

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tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	0.74	0.52
tblVehicleEF	HHD	1.0600e-004	8.0000e-006
tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	4.5900e-004	1.9160e-003
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tblVehicleEF	HHD	3.66	3.82
tblVehicleEF	HHD	19.61	2.03
tblVehicleEF	HHD	0.05	0.01

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	5.3000e-005	4.0000e-006
tblVehicleEF	HHD	4.7890e-003	3.3700e-004
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tblVehicleEF	HHD	4.3000e-005	3.0000e-006
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tblVehicleEF	HHD	5.3400e-004	2.0820e-003
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tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5800e-004	1.0000e-006
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tblVehicleEF	HHD	4.7890e-003	3.3700e-004
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tblVehicleEF	HHD	4.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.21
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tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDA	0.07	0.19
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tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003

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tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.23
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tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
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tblVehicleEF	LDA	0.09	0.22
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tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.09	0.29

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tblVehicleEF	LDA	6.1400e-004	5.5400e-004
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.27
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tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.40	1.54
tblVehicleEF	LDT1	3.72	2.61
tblVehicleEF	LDT1	322.08	316.43
tblVehicleEF	LDT1	73.17	67.76
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.21	0.33
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	3.2380e-003	3.1310e-003
tblVehicleEF	LDT1	7.9700e-004	6.7100e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05

tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	0.01	8.4580e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.51	1.66
tblVehicleEF	LDT1	3.04	2.13
tblVehicleEF	LDT1	335.65	328.31
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tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.19	0.30
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.22	0.42
tblVehicleEF	LDT1	3.3750e-003	3.2490e-003
tblVehicleEF	LDT1	7.8500e-004	6.6100e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.24	0.46
tblVehicleEF	LDT1	0.01	7.7810e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.39	1.52
tblVehicleEF	LDT1	4.15	2.91

tblVehicleEF	LDT1	319.51	314.19
tblVehicleEF	LDT1	73.17	68.38
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.22	0.35
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	3.2120e-003	3.1090e-003
tblVehicleEF	LDT1	8.0500e-004	6.7700e-004
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.31	0.58
tblVehicleEF	LDT2	6.0230e-003	4.7180e-003
tblVehicleEF	LDT2	8.2110e-003	0.08
tblVehicleEF	LDT2	0.76	1.01
tblVehicleEF	LDT2	1.71	2.97
tblVehicleEF	LDT2	361.49	342.97
tblVehicleEF	LDT2	82.28	73.48
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.34
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003

tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	3.6200e-003	3.3930e-003
tblVehicleEF	LDT2	8.5200e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.12	0.42
tblVehicleEF	LDT2	6.3890e-003	5.0460e-003
tblVehicleEF	LDT2	7.1110e-003	0.07
tblVehicleEF	LDT2	0.82	1.10
tblVehicleEF	LDT2	1.41	2.44
tblVehicleEF	LDT2	377.11	354.69
tblVehicleEF	LDT2	82.28	72.46
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.13	0.31
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	3.7780e-003	3.5090e-003
tblVehicleEF	LDT2	8.4700e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	5.9170e-003	4.6060e-003
tblVehicleEF	LDT2	8.8780e-003	0.09
tblVehicleEF	LDT2	0.74	0.99
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tblVehicleEF	LDT2	82.28	74.13
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.15	0.36
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	3.5910e-003	3.3710e-003
tblVehicleEF	LDT2	8.5500e-004	7.3400e-004
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16

tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.13	0.45
tblVehicleEF	LHD1	5.4500e-003	4.8740e-003
tblVehicleEF	LHD1	0.01	7.0360e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	2.80	1.06
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.54
tblVehicleEF	LHD1	30.81	10.72
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.01	1.61
tblVehicleEF	LHD1	1.01	0.31
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005

tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
tblVehicleEF	LHD1	3.6100e-004	1.0600e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4500e-003	4.8890e-003
tblVehicleEF	LHD1	0.01	7.1990e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.08	0.89
tblVehicleEF	LHD1	2.63	1.00
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.57
tblVehicleEF	LHD1	30.81	10.60
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	1.91	1.53
tblVehicleEF	LHD1	0.95	0.29
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
tblVehicleEF	LHD1	3.5800e-004	1.0500e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.4500e-003	4.8640e-003
tblVehicleEF	LHD1	0.01	6.9320e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.04	0.86
tblVehicleEF	LHD1	2.93	1.11
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.52
tblVehicleEF	LHD1	30.81	10.80
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.00	1.60
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9610e-003	6.3090e-003
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tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD2	4.2020e-003	3.5550e-003
tblVehicleEF	LHD2	4.9950e-003	4.5140e-003
tblVehicleEF	LHD2	9.9130e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.55
tblVehicleEF	LHD2	1.40	0.68
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.88
tblVehicleEF	LHD2	27.72	8.34
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.38	1.61
tblVehicleEF	LHD2	0.64	0.22
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.3990e-003
tblVehicleEF	LHD2	3.0300e-004	8.3000e-005
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.15	0.06
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tblVehicleEF	LHD2	5.0750e-003	4.5680e-003
tblVehicleEF	LHD2	9.4460e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.56
tblVehicleEF	LHD2	1.32	0.64
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.89

tblVehicleEF	LHD2	27.72	8.27
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.32	1.54
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
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tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.4000e-003
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tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5470e-003
tblVehicleEF	LHD2	4.9440e-003	4.4790e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.46	0.55
tblVehicleEF	LHD2	1.46	0.71
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.87
tblVehicleEF	LHD2	27.72	8.39
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.37	1.61
tblVehicleEF	LHD2	0.66	0.23
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0830e-003	6.3990e-003
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tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.07	0.08

tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.46	0.35
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	20.09	20.37
tblVehicleEF	MCY	9.88	8.73
tblVehicleEF	MCY	173.31	214.04
tblVehicleEF	MCY	47.17	62.39
tblVehicleEF	MCY	1.15	1.15
tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.23	1.96
tblVehicleEF	MCY	2.1330e-003	2.1180e-003
tblVehicleEF	MCY	6.9900e-004	6.1700e-004
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.97	2.99
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.42	2.14
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.75	19.00
tblVehicleEF	MCY	8.78	7.72

tblVehicleEF	MCY	173.31	211.50
tblVehicleEF	MCY	47.17	59.78
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.30	0.25
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	1.90	1.66
tblVehicleEF	MCY	2.1080e-003	2.0930e-003
tblVehicleEF	MCY	6.7100e-004	5.9200e-004
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.85	2.86
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	0.47	0.36
tblVehicleEF	MCY	0.18	0.28
tblVehicleEF	MCY	21.20	21.51
tblVehicleEF	MCY	10.68	9.48
tblVehicleEF	MCY	173.31	216.12
tblVehicleEF	MCY	47.17	64.29
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	0.33	0.28
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003

tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	2.50	2.52
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.46	2.18
tblVehicleEF	MCY	2.1530e-003	2.1390e-003
tblVehicleEF	MCY	7.1900e-004	6.3600e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	3.06	3.08
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.67	2.37
tblVehicleEF	MDV	0.01	6.3020e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.36	1.23
tblVehicleEF	MDV	3.39	3.65
tblVehicleEF	MDV	492.62	422.92
tblVehicleEF	MDV	110.36	90.44
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.31	0.44
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03

tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	4.9360e-003	4.1810e-003
tblVehicleEF	MDV	1.1630e-003	8.9500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.01	6.6830e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.46	1.32
tblVehicleEF	MDV	2.79	2.99
tblVehicleEF	MDV	513.29	435.26
tblVehicleEF	MDV	110.36	89.15
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.28	0.40
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.23	0.44
tblVehicleEF	MDV	5.1440e-003	4.3030e-003
tblVehicleEF	MDV	1.1530e-003	8.8200e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18

tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.25	0.48
tblVehicleEF	MDV	0.01	6.1890e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.35	1.22
tblVehicleEF	MDV	3.76	4.07
tblVehicleEF	MDV	488.70	420.59
tblVehicleEF	MDV	110.36	91.24
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.33	0.46
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MDV	4.8970e-003	4.1580e-003
tblVehicleEF	MDV	1.1700e-003	9.0300e-004
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.31	0.61
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03

tblVehicleEF	MH	3.14	1.61
tblVehicleEF	MH	6.76	2.28
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tblVehicleEF	MH	59.77	19.90
tblVehicleEF	MH	1.66	1.55
tblVehicleEF	MH	0.94	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.39	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1600e-004	1.9700e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.26	1.67
tblVehicleEF	MH	6.24	2.11
tblVehicleEF	MH	1,096.41	1,520.13
tblVehicleEF	MH	59.77	19.62

tblVehicleEF	MH	1.55	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.9400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.07	1.58
tblVehicleEF	MH	7.07	2.38
tblVehicleEF	MH	1,096.41	1,519.98
tblVehicleEF	MH	59.77	20.07
tblVehicleEF	MH	1.66	1.54
tblVehicleEF	MH	0.99	0.26
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04

tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2100e-004	1.9900e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.44	0.12
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tblVehicleEF	MHD	0.06	8.3850e-003
tblVehicleEF	MHD	0.37	0.33
tblVehicleEF	MHD	0.37	0.59
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tblVehicleEF	MHD	1.19	2.35
tblVehicleEF	MHD	11.42	1.22
tblVehicleEF	MHD	1.6840e-003	2.2720e-003
tblVehicleEF	MHD	7.5760e-003	0.07

tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.6110e-003	2.1730e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	1.4390e-003	6.9000e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9100e-004	7.9000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.46	0.05
tblVehicleEF	MHD	0.02	2.8380e-003
tblVehicleEF	MHD	4.9090e-003	6.5610e-003
tblVehicleEF	MHD	0.06	7.9820e-003
tblVehicleEF	MHD	0.27	0.28
tblVehicleEF	MHD	0.37	0.60
tblVehicleEF	MHD	6.62	0.96
tblVehicleEF	MHD	158.51	74.12
tblVehicleEF	MHD	1,121.50	1,017.67
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tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	1.14	2.24

tblVehicleEF	MHD	11.36	1.21
tblVehicleEF	MHD	1.4200e-003	1.9180e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.3580e-003	1.8350e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
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tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.5230e-003	7.0300e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.8300e-004	7.8000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.2040e-003
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tblVehicleEF	MHD	0.06	8.6540e-003
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tblVehicleEF	MHD	0.36	0.59
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tblVehicleEF	MHD	137.40	70.88
tblVehicleEF	MHD	1,121.50	1,017.65

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tblVehicleEF	MHD	11.47	1.22
tblVehicleEF	MHD	2.0490e-003	2.7600e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.9600e-003	2.6410e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	1.3240e-003	6.7200e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9700e-004	8.0000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.12
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.38
tblVehicleEF	OBUS	0.74	1.37

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tblVehicleEF	OBUS	0.19	0.30
tblVehicleEF	OBUS	1.06	2.09
tblVehicleEF	OBUS	1.79	0.57
tblVehicleEF	OBUS	6.4000e-005	1.2590e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	6.1000e-005	1.2040e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.1000e-004	9.2900e-004
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.06	0.29
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	OBUS	4.7800e-004	4.9300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3100e-004	2.1300e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
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tblVehicleEF	OBUS	0.05	0.06
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tblVehicleEF	OBUS	0.44	0.15
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tblVehicleEF	OBUS	4.9030e-003	0.05
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tblVehicleEF	OBUS	1.8770e-003	2.4600e-003
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tblVehicleEF	OBUS	0.05	0.13
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tblVehicleEF	OBUS	0.05	0.06
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tblVehicleEF	OBUS	0.06	0.28
tblVehicleEF	OBUS	0.42	0.14

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tblVehicleEF	OBUS	7.8000e-005	1.5290e-003
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tblVehicleEF	OBUS	0.03	0.04
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tblVehicleEF	OBUS	0.07	0.31
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tblVehicleEF	OBUS	4.5400e-004	4.8700e-004
tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	8.9900e-004	1.1940e-003
tblVehicleEF	OBUS	0.02	0.03
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tblVehicleEF	OBUS	0.06	0.16
tblVehicleEF	OBUS	0.07	0.31
tblVehicleEF	OBUS	0.46	0.15
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	5.2090e-003
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tblVehicleEF	SBUS	8.43	0.84
tblVehicleEF	SBUS	1,117.55	349.50
tblVehicleEF	SBUS	1,085.75	1,193.08
tblVehicleEF	SBUS	55.21	3.87
tblVehicleEF	SBUS	9.72	3.86
tblVehicleEF	SBUS	4.61	7.02
tblVehicleEF	SBUS	12.05	0.47
tblVehicleEF	SBUS	0.01	5.9250e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	0.01	5.6690e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	3.1930e-003	1.3240e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.03	0.21
tblVehicleEF	SBUS	1.4900e-003	5.8100e-004
tblVehicleEF	SBUS	0.11	0.17
tblVehicleEF	SBUS	0.02	0.14
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.01	3.3230e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	6.9700e-004	3.8000e-005
tblVehicleEF	SBUS	3.1930e-003	1.3240e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.48	0.30
tblVehicleEF	SBUS	1.4900e-003	5.8100e-004
tblVehicleEF	SBUS	0.13	0.21
tblVehicleEF	SBUS	0.02	0.14
tblVehicleEF	SBUS	0.46	0.03
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	4.5170e-003
tblVehicleEF	SBUS	8.34	1.77
tblVehicleEF	SBUS	0.79	1.36
tblVehicleEF	SBUS	6.56	0.65
tblVehicleEF	SBUS	1,167.77	362.69
tblVehicleEF	SBUS	1,085.75	1,193.13
tblVehicleEF	SBUS	55.21	3.56
tblVehicleEF	SBUS	10.03	3.97
tblVehicleEF	SBUS	4.41	6.71
tblVehicleEF	SBUS	12.01	0.46
tblVehicleEF	SBUS	8.8730e-003	5.0020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	8.4900e-003	4.7850e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	4.8770e-003	1.9990e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.02	0.21
tblVehicleEF	SBUS	2.5980e-003	9.8700e-004

tblVehicleEF	SBUS	0.11	0.18
tblVehicleEF	SBUS	0.02	0.12
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4470e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6600e-004	3.5000e-005
tblVehicleEF	SBUS	4.8770e-003	1.9990e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.48	0.30
tblVehicleEF	SBUS	2.5980e-003	9.8700e-004
tblVehicleEF	SBUS	0.14	0.21
tblVehicleEF	SBUS	0.02	0.12
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	5.5820e-003
tblVehicleEF	SBUS	8.63	1.90
tblVehicleEF	SBUS	0.77	1.31
tblVehicleEF	SBUS	9.46	0.94
tblVehicleEF	SBUS	1,048.20	331.27
tblVehicleEF	SBUS	1,085.75	1,193.05
tblVehicleEF	SBUS	55.21	4.04
tblVehicleEF	SBUS	9.29	3.70
tblVehicleEF	SBUS	4.59	6.99
tblVehicleEF	SBUS	12.08	0.47
tblVehicleEF	SBUS	0.01	7.2000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	0.01	6.8890e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05

tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	1.03	0.21
tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
tblVehicleEF	SBUS	0.11	0.17
tblVehicleEF	SBUS	0.03	0.17
tblVehicleEF	SBUS	0.45	0.03
tblVehicleEF	SBUS	0.01	3.1500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1400e-004	4.0000e-005
tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	1.49	0.30
tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
tblVehicleEF	SBUS	0.13	0.21
tblVehicleEF	SBUS	0.03	0.17
tblVehicleEF	SBUS	0.49	0.04
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.06	21.79
tblVehicleEF	UBUS	10.15	1.73
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.69
tblVehicleEF	UBUS	4.20	0.43
tblVehicleEF	UBUS	13.57	0.19
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003

tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.74	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4320e-003	1.9500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.81	0.11
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.09	21.79
tblVehicleEF	UBUS	8.57	1.46
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.25
tblVehicleEF	UBUS	4.00	0.42
tblVehicleEF	UBUS	13.50	0.18
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004

tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.67	0.09
tblVehicleEF	UBUS	8.3990e-003	5.8660e-003
tblVehicleEF	UBUS	1.4050e-003	1.9000e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.73	0.10
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.04	21.79
tblVehicleEF	UBUS	11.20	1.90
tblVehicleEF	UBUS	1,824.90	1,604.22
tblVehicleEF	UBUS	125.02	19.99
tblVehicleEF	UBUS	4.18	0.43
tblVehicleEF	UBUS	13.63	0.20
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003

tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.79	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4500e-003	1.9800e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	2.49	2.91
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.86	0.11
tblVehicleTrips	ST_TR	8.96	31.16
tblVehicleTrips	SU_TR	1.55	31.16
tblVehicleTrips	WD_TR	36.13	31.16

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.2327	29.0083	17.3383	0.0729	15.2010	1.1154	15.8831	2.4643	1.0263	3.1299	0.0000	7,678.1027	7,678.1027	1.0633	0.0000	7,699.5991
2021	12.3496	18.2208	12.3199	0.0345	0.9325	0.6279	1.5440	0.2520	0.5780	0.8257	0.0000	3,442.7824	3,442.7824	0.7258	0.0000	3,460.9260
Maximum	**12.3496**	**29.0083**	**17.3383**	**0.0729**	**15.2010**	**1.1154**	**15.8831**	**2.4643**	**1.0263**	**3.1299**	**0.0000**	**7,678.1027**	**7,678.1027**	**1.0633**	**0.0000**	**7,699.5991**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.2327	29.0083	17.3383	0.0729	6.4728	1.1154	7.1549	1.1426	1.0263	1.8081	0.0000	7,678.1027	7,678.1027	1.0633	0.0000	7,699.5991
2021	12.3496	18.2208	12.3199	0.0345	0.9325	0.6279	1.5440	0.2520	0.5780	0.8257	0.0000	3,442.7824	3,442.7824	0.7258	0.0000	3,460.9260
Maximum	**12.3496**	**29.0083**	**17.3383**	**0.0729**	**6.4728**	**1.1154**	**7.1549**	**1.1426**	**1.0263**	**1.8081**	**0.0000**	**7,678.1027**	**7,678.1027**	**1.0633**	**0.0000**	**7,699.5991**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.10**	**0.00**	**50.08**	**48.66**	**0.00**	**33.41**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Energy	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214
Mobile	4.0474	5.9787	27.7858	0.0664	6.5232	0.0903	6.6136	1.7408	0.0851	1.8259		6,794.6999	6,794.6999	0.4298		6,805.4458
Total	**5.5424**	**6.1033**	**27.9301**	**0.0671**	**6.5232**	**0.0999**	**6.6231**	**1.7408**	**0.0947**	**1.8355**		**6,943.8210**	**6,943.8210**	**0.4329**	**2.7300e-003**	**6,955.4582**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Energy	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
Mobile	4.0474	5.9787	27.7858	0.0664	6.5232	0.0903	6.6136	1.7408	0.0851	1.8259		6,794.6999	6,794.6999	0.4298		6,805.4458
Total	**5.5386**	**6.0683**	**27.9006**	**0.0669**	**6.5232**	**0.0972**	**6.6205**	**1.7408**	**0.0920**	**1.8328**		**6,901.8007**	**6,901.8007**	**0.4321**	**1.9600e-003**	**6,913.1882**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**0.57**	**0.11**	**0.31**	**0.00**	**2.66**	**0.04**	**0.00**	**2.81**	**0.14**	**0.00**	**0.61**	**0.61**	**0.19**	**28.21**	**0.61**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	10/18/2020	5	45	
2	Grading	Grading	10/19/2020	11/20/2020	5	25	
3	Building Construction	Building Construction	11/21/2020	8/22/2021	5	195	
4	Paving	Paving	11/21/2020	1/24/2021	5	45	
5	Architectural Coating	Architectural Coating	7/5/2021	9/5/2021	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 25

Acres of Paving: 6.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,884; Non-Residential Outdoor: 25,295; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Surfacing Equipment	1	8.00	263	0.30
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Paving	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	15.00	0.00	2,848.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Grading	6	18.00	0.00	84.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	73.00	31.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					13.8653	0.0000	13.8653	2.0997	0.0000	2.0997			0.0000			0.0000
Off-Road	1.2962	10.5728	12.6967	0.0205		0.6019	0.6019		0.5889	0.5889		1,957.4819	1,957.4819	0.3131		1,965.3105
Total	**1.2962**	**10.5728**	**12.6967**	**0.0205**	**13.8653**	**0.6019**	**14.4672**	**2.0997**	**0.5889**	**2.6885**		**1,957.4819**	**1,957.4819**	**0.3131**		**1,965.3105**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5038	18.3969	4.2368	0.0513	1.2125	0.0793	1.2918	0.3320	0.0759	0.4078		5,607.3144	5,607.3144	0.5436		5,620.9054
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0621	0.0386	0.4048	1.1400e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		113.3064	113.3064	3.0700e-003		113.3832
Total	**0.5659**	**18.4355**	**4.6416**	**0.0524**	**1.3357**	**0.0802**	**1.4159**	**0.3646**	**0.0767**	**0.4413**		**5,720.6208**	**5,720.6208**	**0.5467**		**5,734.2886**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					5.1371	0.0000	5.1371	0.7779	0.0000	0.7779			0.0000			0.0000
Off-Road	1.2962	10.5728	12.6967	0.0205		0.6019	0.6019		0.5889	0.5889	0.0000	1,957.4819	1,957.4819	0.3131		1,965.3105
Total	**1.2962**	**10.5728**	**12.6967**	**0.0205**	**5.1371**	**0.6019**	**5.7390**	**0.7779**	**0.5889**	**1.3668**	**0.0000**	**1,957.4819**	**1,957.4819**	**0.3131**		**1,965.3105**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5038	18.3969	4.2368	0.0513	1.2125	0.0793	1.2918	0.3320	0.0759	0.4078		5,607.3144	5,607.3144	0.5436		5,620.9054
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0621	0.0386	0.4048	1.1400e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		113.3064	113.3064	3.0700e-003		113.3832
Total	**0.5659**	**18.4355**	**4.6416**	**0.0524**	**1.3357**	**0.0802**	**1.4159**	**0.3646**	**0.0767**	**0.4413**		**5,720.6208**	**5,720.6208**	**0.5467**		**5,734.2886**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0653	0.0000	1.0653	0.1152	0.0000	0.1152			0.0000			0.0000
Off-Road	2.1314	24.6446	14.1946	0.0329		1.1101	1.1101		1.0213	1.0213		3,187.1109	3,187.1109	1.0308		3,212.8803
Total	**2.1314**	**24.6446**	**14.1946**	**0.0329**	**1.0653**	**1.1101**	**2.1754**	**0.1152**	**1.0213**	**1.1366**		**3,187.1109**	**3,187.1109**	**1.0308**		**3,212.8803**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0267	0.9767	0.2249	2.7200e-003	0.0644	4.2100e-003	0.0686	0.0176	4.0300e-003	0.0217		297.6917	297.6917	0.0289		298.4132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0746	0.0463	0.4857	1.3700e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		135.9677	135.9677	3.6900e-003		136.0598
Total	**0.1013**	**1.0230**	**0.7106**	**4.0900e-003**	**0.2122**	**5.2500e-003**	**0.2175**	**0.0568**	**4.9900e-003**	**0.0618**		**433.6594**	**433.6594**	**0.0326**		**434.4731**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3947	0.0000	0.3947	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	2.1314	24.6446	14.1946	0.0329		1.1101	1.1101		1.0213	1.0213	0.0000	3,187.1109	3,187.1109	1.0308		3,212.8803
Total	**2.1314**	**24.6446**	**14.1946**	**0.0329**	**0.3947**	**1.1101**	**1.5048**	**0.0427**	**1.0213**	**1.0640**	**0.0000**	**3,187.1109**	**3,187.1109**	**1.0308**		**3,212.8803**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0267	0.9767	0.2249	2.7200e-003	0.0644	4.2100e-003	0.0686	0.0176	4.0300e-003	0.0217		297.6917	297.6917	0.0289		298.4132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0746	0.0463	0.4857	1.3700e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		135.9677	135.9677	3.6900e-003		136.0598
Total	**0.1013**	**1.0230**	**0.7106**	**4.0900e-003**	**0.2122**	**5.2500e-003**	**0.2175**	**0.0568**	**4.9900e-003**	**0.0618**		**433.6594**	**433.6594**	**0.0326**		**434.4731**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4766	5.7800	3.2410	7.1100e-003		0.2405	0.2405		0.2212	0.2212		689.1097	689.1097	0.2229		694.6815
Total	**0.4766**	**5.7800**	**3.2410**	**7.1100e-003**		**0.2405**	**0.2405**		**0.2212**	**0.2212**		**689.1097**	**689.1097**	**0.2229**		**694.6815**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1098	3.3247	0.9571	7.8100e-003	0.2095	0.0204	0.2300	0.0603	0.0195	0.0798		838.9052	838.9052	0.0726		840.7200
Worker	0.3024	0.1878	1.9698	5.5400e-003	0.5997	4.2300e-003	0.6039	0.1591	3.9000e-003	0.1630		551.4245	551.4245	0.0149		551.7981
Total	**0.4122**	**3.5125**	**2.9269**	**0.0134**	**0.8092**	**0.0247**	**0.8339**	**0.2194**	**0.0234**	**0.2428**		**1,390.3297**	**1,390.3297**	**0.0875**		**1,392.5182**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4766	5.7800	3.2410	7.1100e-003		0.2405	0.2405		0.2212	0.2212	0.0000	689.1097	689.1097	0.2229		694.6815
Total	**0.4766**	**5.7800**	**3.2410**	**7.1100e-003**		**0.2405**	**0.2405**		**0.2212**	**0.2212**	**0.0000**	**689.1097**	**689.1097**	**0.2229**		**694.6815**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1098	3.3247	0.9571	7.8100e-003	0.2095	0.0204	0.2300	0.0603	0.0195	0.0798		838.9052	838.9052	0.0726		840.7200
Worker	0.3024	0.1878	1.9698	5.5400e-003	0.5997	4.2300e-003	0.6039	0.1591	3.9000e-003	0.1630		551.4245	551.4245	0.0149		551.7981
Total	**0.4122**	**3.5125**	**2.9269**	**0.0134**	**0.8092**	**0.0247**	**0.8339**	**0.2194**	**0.0234**	**0.2428**		**1,390.3297**	**1,390.3297**	**0.0875**		**1,392.5182**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	0.4368	5.2467	3.1249	7.1200e-003		0.2131	0.2131		0.1961	0.1961		689.0948	689.0948	0.2229		694.6665
Total	**0.4368**	**5.2467**	**3.1249**	**7.1200e-003**		**0.2131**	**0.2131**		**0.1961**	**0.1961**		**689.0948**	**689.0948**	**0.2229**		**694.6665**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0926	2.9857	0.8667	7.7500e-003	0.2096	8.7900e-003	0.2184	0.0603	8.4100e-003	0.0687		833.3528	833.3528	0.0696		835.0921
Worker	0.2836	0.1692	1.8159	5.3700e-003	0.5997	4.1600e-003	0.6038	0.1591	3.8300e-003	0.1629		534.8575	534.8575	0.0136		535.1974
Total	**0.3762**	**3.1549**	**2.6826**	**0.0131**	**0.8092**	**0.0130**	**0.8222**	**0.2194**	**0.0122**	**0.2316**		**1,368.2103**	**1,368.2103**	**0.0832**		**1,370.2895**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4368	5.2467	3.1249	7.1200e-003		0.2131	0.2131		0.1961	0.1961	0.0000	689.0948	689.0948	0.2229		694.6665
Total	**0.4368**	**5.2467**	**3.1249**	**7.1200e-003**		**0.2131**	**0.2131**		**0.1961**	**0.1961**	**0.0000**	**689.0948**	**689.0948**	**0.2229**		**694.6665**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0926	2.9857	0.8667	7.7500e-003	0.2096	8.7900e-003	0.2184	0.0603	8.4100e-003	0.0687		833.3528	833.3528	0.0696		835.0921
Worker	0.2836	0.1692	1.8159	5.3700e-003	0.5997	4.1600e-003	0.6038	0.1591	3.8300e-003	0.1629		534.8575	534.8575	0.0136		535.1974
Total	**0.3762**	**3.1549**	**2.6826**	**0.0131**	**0.8092**	**0.0130**	**0.8222**	**0.2194**	**0.0122**	**0.2316**		**1,368.2103**	**1,368.2103**	**0.0832**		**1,370.2895**

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8914	10.5480	6.2422	0.0133		0.4420	0.4420		0.4067	0.4067		1,291.3133	1,291.3133	0.4176		1,301.7542
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2850**	**10.5480**	**6.2422**	**0.0133**		**0.4420**	**0.4420**		**0.4067**	**0.4067**		**1,291.3133**	**1,291.3133**	**0.4176**		**1,301.7542**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.0538**	**0.0335**	**0.3508**	**9.9000e-004**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**98.1989**	**98.1989**	**2.6600e-003**		**98.2654**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8914	10.5480	6.2422	0.0133		0.4420	0.4420		0.4067	0.4067	0.0000	1,291.3133	1,291.3133	0.4176		1,301.7542
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2850**	**10.5480**	**6.2422**	**0.0133**		**0.4420**	**0.4420**		**0.4067**	**0.4067**	**0.0000**	**1,291.3133**	**1,291.3133**	**0.4176**		**1,301.7542**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654

Total	**0.0538**	**0.0335**	**0.3508**	**9.9000e-004**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**98.1989**	**98.1989**	**2.6600e-003**		**98.2654**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8345	9.7891	6.1890	0.0133		0.4012	0.4012		0.3691	0.3691		1,290.2287	1,290.2287	0.4173		1,300.6609
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2281**	**9.7891**	**6.1890**	**0.0133**		**0.4012**	**0.4012**		**0.3691**	**0.3691**		**1,290.2287**	**1,290.2287**	**0.4173**		**1,300.6609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0505	0.0301	0.3234	9.6000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		95.2486	95.2486	2.4200e-003		95.3091
Total	**0.0505**	**0.0301**	**0.3234**	**9.6000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**95.2486**	**95.2486**	**2.4200e-003**		**95.3091**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8345	9.7891	6.1890	0.0133		0.4012	0.4012		0.3691	0.3691	0.0000	1,290.2287	1,290.2287	0.4173		1,300.6609
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2281**	**9.7891**	**6.1890**	**0.0133**		**0.4012**	**0.4012**		**0.3691**	**0.3691**	**0.0000**	**1,290.2287**	**1,290.2287**	**0.4173**		**1,300.6609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0505	0.0301	0.3234	9.6000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		95.2486	95.2486	2.4200e-003		95.3091
Total	**0.0505**	**0.0301**	**0.3234**	**9.6000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**95.2486**	**95.2486**	**2.4200e-003**		**95.3091**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Total	**11.4783**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0348	0.3731	1.1000e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		109.9022	109.9022	2.7900e-003		109.9721
Total	**0.0583**	**0.0348**	**0.3731**	**1.1000e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**109.9022**	**109.9022**	**2.7900e-003**		**109.9721**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**11.4783**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0348	0.3731	1.1000e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		109.9022	109.9022	2.7900e-003		109.9721
Total	**0.0583**	**0.0348**	**0.3731**	**1.1000e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**109.9022**	**109.9022**	**2.7900e-003**		**109.9721**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.0474	5.9787	27.7858	0.0664	6.5232	0.0903	6.6136	1.7408	0.0851	1.8259		6,794.6999	6,794.6999	0.4298		6,805.4458
Unmitigated	4.0474	5.9787	27.7858	0.0664	6.5232	0.0903	6.6136	1.7408	0.0851	1.8259		6,794.6999	6,794.6999	0.4298		6,805.4458

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	1,576.38	1,576.38	1576.38	3,085,378	3,085,378
Parking Lot	0.00	0.00	0.00		
Total	1,576.38	1,576.38	1,576.38	3,085,378	3,085,378

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Parking Lot	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
NaturalGas Unmitigated	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	1266.8	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0137**	**0.1242**	**0.1043**	**7.5000e-004**		**9.4400e-003**	**9.4400e-003**		**9.4400e-003**	**9.4400e-003**		**149.0358**	**149.0358**	**2.8600e-003**	**2.7300e-003**	**149.9214**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	0.909632	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**9.8100e-003**	**0.0892**	**0.0749**	**5.4000e-004**		**6.7800e-003**	**6.7800e-003**		**6.7800e-003**	**6.7800e-003**		**107.0155**	**107.0155**	**2.0500e-003**	**1.9600e-003**	**107.6515**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909

Unmitigated	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3470					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7300e-003	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Total	**1.4814**	**3.7000e-004**	**0.0399**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0853**	**0.0853**	**2.3000e-004**		**0.0909**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3470					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7300e-003	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Total	**1.4814**	**3.7000e-004**	**0.0399**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0853**	**0.0853**	**2.3000e-004**		**0.0909**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VA Medical Facility - Ventura County APCD Air District, Annual

VA Medical Facility

Ventura County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.59	1000sqft	1.23	50,589.00	0
Parking Lot	339.00	Space	6.76	135,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - total area is 7.99 acres

Construction Phase - construction phase provided by project applicant

Off-road Equipment -

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Trips and VMT - hauling distance provided by project applicant

Demolition -

Grading -

Vehicle Trips - account for existing trip credits

Energy Use -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Architectural Coating - VCAPCD Rule 74.2

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	230.00	195.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	20.00	45.00
tblGrading	MaterialImported	0.00	850.00
tblLandUse	LandUseSquareFeet	50,590.00	50,589.00
tblLandUse	LotAcreage	1.16	1.23
tblLandUse	LotAcreage	3.05	6.76
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripLength	20.00	22.00

tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripNumber	106.00	84.00
tblTripsAndVMT	WorkerTripNumber	10.00	15.00
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	8.00	13.00
tblVehicleEF	HHD	0.80	0.03
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.61	5.61
tblVehicleEF	HHD	1.05	0.68
tblVehicleEF	HHD	3.25	4.6410e-003
tblVehicleEF	HHD	4,218.47	1,081.28
tblVehicleEF	HHD	1,622.84	1,475.02
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tblVehicleEF	HHD	20.73	6.08
tblVehicleEF	HHD	3.69	3.84
tblVehicleEF	HHD	19.60	2.03
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.04	9.6180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	7.6000e-005	6.0000e-006
tblVehicleEF	HHD	4.5850e-003	2.9300e-004
tblVehicleEF	HHD	0.66	0.43
tblVehicleEF	HHD	6.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.12	0.11

tblVehicleEF	HHD	4.8000e-004	1.9440e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5500e-004	1.0000e-006
tblVehicleEF	HHD	7.6000e-005	6.0000e-006
tblVehicleEF	HHD	4.5850e-003	2.9300e-004
tblVehicleEF	HHD	0.78	0.50
tblVehicleEF	HHD	6.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	4.8000e-004	1.9440e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.76	0.03
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.90	5.48
tblVehicleEF	HHD	1.06	0.68
tblVehicleEF	HHD	3.04	4.3330e-003
tblVehicleEF	HHD	4,467.26	1,079.03
tblVehicleEF	HHD	1,622.84	1,475.02
tblVehicleEF	HHD	10.18	0.06
tblVehicleEF	HHD	21.39	5.93
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tblVehicleEF	HHD	19.59	2.03
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.03	8.8230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003

tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	1.1900e-004	1.0000e-005
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tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5200e-004	1.0000e-006
tblVehicleEF	HHD	1.1900e-004	1.0000e-005
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tblVehicleEF	HHD	1.0600e-004	8.0000e-006
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tblVehicleEF	HHD	4.5900e-004	1.9160e-003
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tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	3.59	5.81
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tblVehicleEF	HHD	3.41	4.8610e-003
tblVehicleEF	HHD	3,874.91	1,084.38
tblVehicleEF	HHD	1,622.84	1,475.02
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tblVehicleEF	HHD	19.81	6.29
tblVehicleEF	HHD	3.66	3.82
tblVehicleEF	HHD	19.61	2.03
tblVehicleEF	HHD	0.05	0.01

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	5.3000e-005	4.0000e-006
tblVehicleEF	HHD	4.7890e-003	3.3700e-004
tblVehicleEF	HHD	0.71	0.41
tblVehicleEF	HHD	4.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.12	0.11
tblVehicleEF	HHD	5.3400e-004	2.0820e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5800e-004	1.0000e-006
tblVehicleEF	HHD	5.3000e-005	4.0000e-006
tblVehicleEF	HHD	4.7890e-003	3.3700e-004
tblVehicleEF	HHD	0.84	0.47
tblVehicleEF	HHD	4.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	5.3400e-004	2.0820e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	LDA	4.6550e-003	2.8470e-003
tblVehicleEF	LDA	6.3670e-003	0.06
tblVehicleEF	LDA	0.60	0.69
tblVehicleEF	LDA	1.32	2.31
tblVehicleEF	LDA	260.42	264.18
tblVehicleEF	LDA	58.89	55.48

tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	2.6080e-003	2.6130e-003
tblVehicleEF	LDA	6.1100e-004	5.4900e-004
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.29
tblVehicleEF	LDA	4.9350e-003	3.0560e-003
tblVehicleEF	LDA	5.5050e-003	0.05
tblVehicleEF	LDA	0.66	0.76
tblVehicleEF	LDA	1.08	1.89
tblVehicleEF	LDA	271.93	275.59
tblVehicleEF	LDA	58.89	54.70
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003

tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7240e-003	2.7260e-003
tblVehicleEF	LDA	6.0700e-004	5.4100e-004
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
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tblVehicleEF	LDA	4.5780e-003	2.7750e-003
tblVehicleEF	LDA	6.8930e-003	0.06
tblVehicleEF	LDA	0.59	0.68
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tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.22
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
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tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.09	0.29

tblVehicleEF	LDA	2.5860e-003	2.5920e-003
tblVehicleEF	LDA	6.1400e-004	5.5400e-004
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tblVehicleEF	LDA	0.11	0.12
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.10	0.32
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tblVehicleEF	LDT1	0.02	0.09
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tblVehicleEF	LDT1	3.72	2.61
tblVehicleEF	LDT1	322.08	316.43
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tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.21	0.33
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	3.2380e-003	3.1310e-003
tblVehicleEF	LDT1	7.9700e-004	6.7100e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05

tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	0.01	8.4580e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.51	1.66
tblVehicleEF	LDT1	3.04	2.13
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tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.19	0.30
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.22	0.42
tblVehicleEF	LDT1	3.3750e-003	3.2490e-003
tblVehicleEF	LDT1	7.8500e-004	6.6100e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.24	0.46
tblVehicleEF	LDT1	0.01	7.7810e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.39	1.52
tblVehicleEF	LDT1	4.15	2.91

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tblVehicleEF	LDT1	73.17	68.38
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.22	0.35
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	3.2120e-003	3.1090e-003
tblVehicleEF	LDT1	8.0500e-004	6.7700e-004
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.31	0.58
tblVehicleEF	LDT2	6.0230e-003	4.7180e-003
tblVehicleEF	LDT2	8.2110e-003	0.08
tblVehicleEF	LDT2	0.76	1.01
tblVehicleEF	LDT2	1.71	2.97
tblVehicleEF	LDT2	361.49	342.97
tblVehicleEF	LDT2	82.28	73.48
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.34
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003

tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	3.6200e-003	3.3930e-003
tblVehicleEF	LDT2	8.5200e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.12	0.42
tblVehicleEF	LDT2	6.3890e-003	5.0460e-003
tblVehicleEF	LDT2	7.1110e-003	0.07
tblVehicleEF	LDT2	0.82	1.10
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tblVehicleEF	LDT2	377.11	354.69
tblVehicleEF	LDT2	82.28	72.46
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.13	0.31
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	3.7780e-003	3.5090e-003
tblVehicleEF	LDT2	8.4700e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	5.9170e-003	4.6060e-003
tblVehicleEF	LDT2	8.8780e-003	0.09
tblVehicleEF	LDT2	0.74	0.99
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tblVehicleEF	LDT2	82.28	74.13
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.15	0.36
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	3.5910e-003	3.3710e-003
tblVehicleEF	LDT2	8.5500e-004	7.3400e-004
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16

tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.60
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tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	2.80	1.06
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.54
tblVehicleEF	LHD1	30.81	10.72
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.01	1.61
tblVehicleEF	LHD1	1.01	0.31
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tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005

tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
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tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.11	0.09
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tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.08	0.89
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tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.57
tblVehicleEF	LHD1	30.81	10.60
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	1.91	1.53
tblVehicleEF	LHD1	0.95	0.29
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
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tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
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tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
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tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
tblVehicleEF	LHD1	3.5800e-004	1.0500e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.29	0.09
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tblVehicleEF	LHD1	0.01	6.9320e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.04	0.86
tblVehicleEF	LHD1	2.93	1.11
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.52
tblVehicleEF	LHD1	30.81	10.80
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.00	1.60
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
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tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003

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tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9610e-003	6.3090e-003
tblVehicleEF	LHD1	3.6300e-004	1.0700e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD2	4.2020e-003	3.5550e-003
tblVehicleEF	LHD2	4.9950e-003	4.5140e-003
tblVehicleEF	LHD2	9.9130e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.55
tblVehicleEF	LHD2	1.40	0.68
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.88
tblVehicleEF	LHD2	27.72	8.34
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.38	1.61
tblVehicleEF	LHD2	0.64	0.22
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.3990e-003
tblVehicleEF	LHD2	3.0300e-004	8.3000e-005
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5650e-003
tblVehicleEF	LHD2	5.0750e-003	4.5680e-003
tblVehicleEF	LHD2	9.4460e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.56
tblVehicleEF	LHD2	1.32	0.64
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.89

tblVehicleEF	LHD2	27.72	8.27
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.32	1.54
tblVehicleEF	LHD2	0.60	0.21
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.4000e-003
tblVehicleEF	LHD2	3.0200e-004	8.2000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5470e-003
tblVehicleEF	LHD2	4.9440e-003	4.4790e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.46	0.55
tblVehicleEF	LHD2	1.46	0.71
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.87
tblVehicleEF	LHD2	27.72	8.39
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.37	1.61
tblVehicleEF	LHD2	0.66	0.23
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0830e-003	6.3990e-003
tblVehicleEF	LHD2	3.0400e-004	8.3000e-005
tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.07	0.08

tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.46	0.35
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	20.09	20.37
tblVehicleEF	MCY	9.88	8.73
tblVehicleEF	MCY	173.31	214.04
tblVehicleEF	MCY	47.17	62.39
tblVehicleEF	MCY	1.15	1.15
tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.23	1.96
tblVehicleEF	MCY	2.1330e-003	2.1180e-003
tblVehicleEF	MCY	6.9900e-004	6.1700e-004
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.97	2.99
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.42	2.14
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.75	19.00
tblVehicleEF	MCY	8.78	7.72

tblVehicleEF	MCY	173.31	211.50
tblVehicleEF	MCY	47.17	59.78
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.30	0.25
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	1.90	1.66
tblVehicleEF	MCY	2.1080e-003	2.0930e-003
tblVehicleEF	MCY	6.7100e-004	5.9200e-004
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.85	2.86
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	0.47	0.36
tblVehicleEF	MCY	0.18	0.28
tblVehicleEF	MCY	21.20	21.51
tblVehicleEF	MCY	10.68	9.48
tblVehicleEF	MCY	173.31	216.12
tblVehicleEF	MCY	47.17	64.29
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	0.33	0.28
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003

tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	2.50	2.52
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.46	2.18
tblVehicleEF	MCY	2.1530e-003	2.1390e-003
tblVehicleEF	MCY	7.1900e-004	6.3600e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	3.06	3.08
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.67	2.37
tblVehicleEF	MDV	0.01	6.3020e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.36	1.23
tblVehicleEF	MDV	3.39	3.65
tblVehicleEF	MDV	492.62	422.92
tblVehicleEF	MDV	110.36	90.44
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.31	0.44
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03

tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	4.9360e-003	4.1810e-003
tblVehicleEF	MDV	1.1630e-003	8.9500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.01	6.6830e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.46	1.32
tblVehicleEF	MDV	2.79	2.99
tblVehicleEF	MDV	513.29	435.26
tblVehicleEF	MDV	110.36	89.15
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.28	0.40
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.23	0.44
tblVehicleEF	MDV	5.1440e-003	4.3030e-003
tblVehicleEF	MDV	1.1530e-003	8.8200e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18

tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.25	0.48
tblVehicleEF	MDV	0.01	6.1890e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.35	1.22
tblVehicleEF	MDV	3.76	4.07
tblVehicleEF	MDV	488.70	420.59
tblVehicleEF	MDV	110.36	91.24
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.33	0.46
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MDV	4.8970e-003	4.1580e-003
tblVehicleEF	MDV	1.1700e-003	9.0300e-004
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.31	0.61
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03

tblVehicleEF	MH	3.14	1.61
tblVehicleEF	MH	6.76	2.28
tblVehicleEF	MH	1,096.41	1,520.04
tblVehicleEF	MH	59.77	19.90
tblVehicleEF	MH	1.66	1.55
tblVehicleEF	MH	0.94	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.39	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1600e-004	1.9700e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.26	1.67
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tblVehicleEF	MH	1,096.41	1,520.13
tblVehicleEF	MH	59.77	19.62

tblVehicleEF	MH	1.55	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.9400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.07	1.58
tblVehicleEF	MH	7.07	2.38
tblVehicleEF	MH	1,096.41	1,519.98
tblVehicleEF	MH	59.77	20.07
tblVehicleEF	MH	1.66	1.54
tblVehicleEF	MH	0.99	0.26
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04

tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2100e-004	1.9900e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.44	0.12
tblVehicleEF	MHD	0.02	2.9890e-003
tblVehicleEF	MHD	4.8120e-003	6.5110e-003
tblVehicleEF	MHD	0.06	8.3850e-003
tblVehicleEF	MHD	0.37	0.33
tblVehicleEF	MHD	0.37	0.59
tblVehicleEF	MHD	7.09	1.03
tblVehicleEF	MHD	149.65	72.76
tblVehicleEF	MHD	1,121.50	1,017.66
tblVehicleEF	MHD	56.66	7.96
tblVehicleEF	MHD	0.64	0.64
tblVehicleEF	MHD	1.19	2.35
tblVehicleEF	MHD	11.42	1.22
tblVehicleEF	MHD	1.6840e-003	2.2720e-003
tblVehicleEF	MHD	7.5760e-003	0.07

tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.6110e-003	2.1730e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	1.4390e-003	6.9000e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9100e-004	7.9000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.46	0.05
tblVehicleEF	MHD	0.02	2.8380e-003
tblVehicleEF	MHD	4.9090e-003	6.5610e-003
tblVehicleEF	MHD	0.06	7.9820e-003
tblVehicleEF	MHD	0.27	0.28
tblVehicleEF	MHD	0.37	0.60
tblVehicleEF	MHD	6.62	0.96
tblVehicleEF	MHD	158.51	74.12
tblVehicleEF	MHD	1,121.50	1,017.67
tblVehicleEF	MHD	56.66	7.84
tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	1.14	2.24

tblVehicleEF	MHD	11.36	1.21
tblVehicleEF	MHD	1.4200e-003	1.9180e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.3580e-003	1.8350e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.5230e-003	7.0300e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.8300e-004	7.8000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.2040e-003
tblVehicleEF	MHD	4.7510e-003	6.4780e-003
tblVehicleEF	MHD	0.06	8.6540e-003
tblVehicleEF	MHD	0.51	0.42
tblVehicleEF	MHD	0.36	0.59
tblVehicleEF	MHD	7.43	1.08
tblVehicleEF	MHD	137.40	70.88
tblVehicleEF	MHD	1,121.50	1,017.65

tblVehicleEF	MHD	56.66	8.04
tblVehicleEF	MHD	0.61	0.63
tblVehicleEF	MHD	1.18	2.33
tblVehicleEF	MHD	11.47	1.22
tblVehicleEF	MHD	2.0490e-003	2.7600e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.9600e-003	2.6410e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	1.3240e-003	6.7200e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9700e-004	8.0000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.48	0.05
tblVehicleEF	OBUS	0.01	8.1150e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.38
tblVehicleEF	OBUS	0.74	1.37

tblVehicleEF	OBUS	6.53	2.90
tblVehicleEF	OBUS	48.78	51.43
tblVehicleEF	OBUS	1,156.72	1,392.17
tblVehicleEF	OBUS	71.68	21.49
tblVehicleEF	OBUS	0.19	0.30
tblVehicleEF	OBUS	1.06	2.09
tblVehicleEF	OBUS	1.79	0.57
tblVehicleEF	OBUS	6.4000e-005	1.2590e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	6.1000e-005	1.2040e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.1000e-004	9.2900e-004
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.06	0.29
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	OBUS	4.7800e-004	4.9300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3100e-004	2.1300e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.1000e-004	9.2900e-004
tblVehicleEF	OBUS	0.06	0.16
tblVehicleEF	OBUS	0.06	0.29
tblVehicleEF	OBUS	0.44	0.15
tblVehicleEF	OBUS	0.01	8.1360e-003
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.37
tblVehicleEF	OBUS	0.76	1.40
tblVehicleEF	OBUS	6.06	2.69
tblVehicleEF	OBUS	50.64	51.84
tblVehicleEF	OBUS	1,156.72	1,392.22
tblVehicleEF	OBUS	71.68	21.13
tblVehicleEF	OBUS	0.20	0.30
tblVehicleEF	OBUS	1.00	1.97
tblVehicleEF	OBUS	1.73	0.56
tblVehicleEF	OBUS	5.4000e-005	1.0630e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	5.2000e-005	1.0170e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.8770e-003	2.4600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	1.2040e-003	1.5610e-003
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.06	0.28
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2300e-004	2.0900e-004
tblVehicleEF	OBUS	1.8770e-003	2.4600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	1.2040e-003	1.5610e-003
tblVehicleEF	OBUS	0.06	0.16
tblVehicleEF	OBUS	0.06	0.28
tblVehicleEF	OBUS	0.42	0.14

tblVehicleEF	OBUS	0.01	8.1040e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.40
tblVehicleEF	OBUS	0.73	1.35
tblVehicleEF	OBUS	6.82	3.02
tblVehicleEF	OBUS	46.22	50.86
tblVehicleEF	OBUS	1,156.72	1,392.14
tblVehicleEF	OBUS	71.68	21.70
tblVehicleEF	OBUS	0.18	0.30
tblVehicleEF	OBUS	1.06	2.08
tblVehicleEF	OBUS	1.84	0.58
tblVehicleEF	OBUS	7.8000e-005	1.5290e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	7.4000e-005	1.4630e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	8.9900e-004	1.1940e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	5.0000e-004	6.5500e-004
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.07	0.31
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	4.5400e-004	4.8700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3600e-004	2.1500e-004
tblVehicleEF	OBUS	8.9900e-004	1.1940e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	5.0000e-004	6.5500e-004

tblVehicleEF	OBUS	0.06	0.16
tblVehicleEF	OBUS	0.07	0.31
tblVehicleEF	OBUS	0.46	0.15
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	5.2090e-003
tblVehicleEF	SBUS	8.46	1.82
tblVehicleEF	SBUS	0.78	1.33
tblVehicleEF	SBUS	8.43	0.84
tblVehicleEF	SBUS	1,117.55	349.50
tblVehicleEF	SBUS	1,085.75	1,193.08
tblVehicleEF	SBUS	55.21	3.87
tblVehicleEF	SBUS	9.72	3.86
tblVehicleEF	SBUS	4.61	7.02
tblVehicleEF	SBUS	12.05	0.47
tblVehicleEF	SBUS	0.01	5.9250e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	0.01	5.6690e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	3.1930e-003	1.3240e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.03	0.21
tblVehicleEF	SBUS	1.4900e-003	5.8100e-004
tblVehicleEF	SBUS	0.11	0.17
tblVehicleEF	SBUS	0.02	0.14
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.01	3.3230e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	6.9700e-004	3.8000e-005
tblVehicleEF	SBUS	3.1930e-003	1.3240e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.48	0.30
tblVehicleEF	SBUS	1.4900e-003	5.8100e-004
tblVehicleEF	SBUS	0.13	0.21
tblVehicleEF	SBUS	0.02	0.14
tblVehicleEF	SBUS	0.46	0.03
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	4.5170e-003
tblVehicleEF	SBUS	8.34	1.77
tblVehicleEF	SBUS	0.79	1.36
tblVehicleEF	SBUS	6.56	0.65
tblVehicleEF	SBUS	1,167.77	362.69
tblVehicleEF	SBUS	1,085.75	1,193.13
tblVehicleEF	SBUS	55.21	3.56
tblVehicleEF	SBUS	10.03	3.97
tblVehicleEF	SBUS	4.41	6.71
tblVehicleEF	SBUS	12.01	0.46
tblVehicleEF	SBUS	8.8730e-003	5.0020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	8.4900e-003	4.7850e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	4.8770e-003	1.9990e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.02	0.21
tblVehicleEF	SBUS	2.5980e-003	9.8700e-004

tblVehicleEF	SBUS	0.11	0.18
tblVehicleEF	SBUS	0.02	0.12
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4470e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6600e-004	3.5000e-005
tblVehicleEF	SBUS	4.8770e-003	1.9990e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.48	0.30
tblVehicleEF	SBUS	2.5980e-003	9.8700e-004
tblVehicleEF	SBUS	0.14	0.21
tblVehicleEF	SBUS	0.02	0.12
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	5.5820e-003
tblVehicleEF	SBUS	8.63	1.90
tblVehicleEF	SBUS	0.77	1.31
tblVehicleEF	SBUS	9.46	0.94
tblVehicleEF	SBUS	1,048.20	331.27
tblVehicleEF	SBUS	1,085.75	1,193.05
tblVehicleEF	SBUS	55.21	4.04
tblVehicleEF	SBUS	9.29	3.70
tblVehicleEF	SBUS	4.59	6.99
tblVehicleEF	SBUS	12.08	0.47
tblVehicleEF	SBUS	0.01	7.2000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	0.01	6.8890e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05

tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	1.03	0.21
tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
tblVehicleEF	SBUS	0.11	0.17
tblVehicleEF	SBUS	0.03	0.17
tblVehicleEF	SBUS	0.45	0.03
tblVehicleEF	SBUS	0.01	3.1500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1400e-004	4.0000e-005
tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	1.49	0.30
tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
tblVehicleEF	SBUS	0.13	0.21
tblVehicleEF	SBUS	0.03	0.17
tblVehicleEF	SBUS	0.49	0.04
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.06	21.79
tblVehicleEF	UBUS	10.15	1.73
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.69
tblVehicleEF	UBUS	4.20	0.43
tblVehicleEF	UBUS	13.57	0.19
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003

tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.74	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4320e-003	1.9500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.81	0.11
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.09	21.79
tblVehicleEF	UBUS	8.57	1.46
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.25
tblVehicleEF	UBUS	4.00	0.42
tblVehicleEF	UBUS	13.50	0.18
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004

tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.67	0.09
tblVehicleEF	UBUS	8.3990e-003	5.8660e-003
tblVehicleEF	UBUS	1.4050e-003	1.9000e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.73	0.10
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.04	21.79
tblVehicleEF	UBUS	11.20	1.90
tblVehicleEF	UBUS	1,824.90	1,604.22
tblVehicleEF	UBUS	125.02	19.99
tblVehicleEF	UBUS	4.18	0.43
tblVehicleEF	UBUS	13.63	0.20
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003

tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.79	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4500e-003	1.9800e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	2.49	2.91
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.86	0.11
tblVehicleTrips	ST_TR	8.96	31.16
tblVehicleTrips	SU_TR	1.55	31.16
tblVehicleTrips	WD_TR	36.13	31.16

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1011	1.2671	0.7566	2.6200e-003	0.3705	0.0395	0.4100	0.0610	0.0372	0.0982	0.0000	244.6840	244.6840	0.0390	0.0000	245.6586
2021	0.3342	0.8137	0.5775	1.9000e-003	0.0695	0.0241	0.0936	0.0189	0.0224	0.0412	0.0000	174.2165	174.2165	0.0264	0.0000	174.8757
Maximum	**0.3342**	**1.2671**	**0.7566**	**2.6200e-003**	**0.3705**	**0.0395**	**0.4100**	**0.0610**	**0.0372**	**0.0982**	**0.0000**	**244.6840**	**244.6840**	**0.0390**	**0.0000**	**245.6586**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1011	1.2671	0.7566	2.6200e-003	0.1657	0.0395	0.2053	0.0304	0.0372	0.0676	0.0000	244.6839	244.6839	0.0390	0.0000	245.6585
2021	0.3342	0.8137	0.5775	1.9000e-003	0.0695	0.0241	0.0936	0.0189	0.0224	0.0412	0.0000	174.2164	174.2164	0.0264	0.0000	174.8756
Maximum	**0.3342**	**1.2671**	**0.7566**	**2.6200e-003**	**0.1657**	**0.0395**	**0.2053**	**0.0304**	**0.0372**	**0.0676**	**0.0000**	**244.6839**	**244.6839**	**0.0390**	**0.0000**	**245.6585**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.53**	**0.00**	**40.65**	**38.38**	**0.00**	**21.98**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**8-17-2020**	**11-16-2020**	0.9792	0.9792
2	**11-17-2020**	**2-16-2021**	0.6133	0.6133
3	**2-17-2021**	**5-16-2021**	0.2919	0.2919
4	**5-17-2021**	**8-16-2021**	0.5018	0.5018
5	**8-17-2021**	**9-30-2021**	0.1131	0.1131
		Highest	0.9792	0.9792

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2700	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003
Energy	2.4900e-003	0.0227	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	200.4042	200.4042	4.7000e-004	4.5000e-004	200.5509
Mobile	0.6958	1.0713	4.8905	0.0121	1.1656	0.0164	1.1820	0.3115	0.0155	0.3270	0.0000	1,126.4776	1,126.4776	0.0683	0.0000	1,128.1842

Waste						0.0000	0.0000		0.0000	0.0000	110.9082	0.0000	110.9082	6.5545	0.0000	274.7703
Water						0.0000	0.0000		0.0000	0.0000	2.0140	22.3599	24.3738	0.2069	4.8800e-003	31.0006
Total	**0.9683**	**1.0940**	**4.9131**	**0.0123**	**1.1656**	**0.0181**	**1.1837**	**0.3115**	**0.0172**	**0.3287**	**112.9221**	**1,349.2487**	**1,462.1708**	**6.8301**	**5.3300e-003**	**1,634.5134**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2700	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003
Energy	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	176.8139	176.8139	3.4000e-004	3.2000e-004	176.9192
Mobile	0.6958	1.0713	4.8905	0.0121	1.1656	0.0164	1.1820	0.3115	0.0155	0.3270	0.0000	1,126.4776	1,126.4776	0.0683	0.0000	1,128.1842
Waste						0.0000	0.0000		0.0000	0.0000	27.7270	0.0000	27.7270	1.6386	0.0000	68.6926
Water						0.0000	0.0000		0.0000	0.0000	1.6112	18.3224	19.9336	0.1655	3.9100e-003	25.2350
Total	**0.9676**	**1.0876**	**4.9077**	**0.0122**	**1.1656**	**0.0177**	**1.1832**	**0.3115**	**0.0167**	**0.3282**	**29.3382**	**1,321.6209**	**1,350.9590**	**1.8727**	**4.2300e-003**	**1,399.0384**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**0.58**	**0.11**	**0.33**	**0.00**	**2.65**	**0.04**	**0.00**	**2.79**	**0.15**	**74.02**	**2.05**	**7.61**	**72.58**	**20.64**	**14.41**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	10/18/2020	5	45	
2	Grading	Grading	10/19/2020	11/20/2020	5	25	
3	Building Construction	Building Construction	11/21/2020	8/22/2021	5	195	

4	Paving	Paving	11/21/2020	1/24/2021	5	45
5	Architectural Coating	Architectural Coating	7/5/2021	9/5/2021	5	45

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 25

Acres of Paving: 6.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,884; Non-Residential Outdoor: 25,295; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Surfacing Equipment	1	8.00	263	0.30
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Paving	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	15.00	0.00	2,848.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT

Grading	6	18.00	0.00	84.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	73.00	31.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3120	0.0000	0.3120	0.0472	0.0000	0.0472	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0292	0.2379	0.2857	4.6000e-004		0.0135	0.0135		0.0133	0.0133	0.0000	39.9555	39.9555	6.3900e-003	0.0000	40.1152
Total	**0.0292**	**0.2379**	**0.2857**	**4.6000e-004**	**0.3120**	**0.0135**	**0.3255**	**0.0472**	**0.0133**	**0.0605**	**0.0000**	**39.9555**	**39.9555**	**6.3900e-003**	**0.0000**	**40.1152**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0112	0.4187	0.0919	1.1600e-003	0.0268	1.7600e-003	0.0286	7.3600e-003	1.6800e-003	9.0400e-003	0.0000	115.4358	115.4358	0.0109	0.0000	115.7083
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	1.2500e-003	8.4000e-004	9.0100e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3315	2.3315	6.0000e-005	0.0000	2.3331
Total	**0.0124**	**0.4195**	**0.1009**	**1.1900e-003**	**0.0296**	**1.7800e-003**	**0.0313**	**8.0800e-003**	**1.7000e-003**	**9.7800e-003**	**0.0000**	**117.7673**	**117.7673**	**0.0110**	**0.0000**	**118.0414**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1156	0.0000	0.1156	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0292	0.2379	0.2857	4.6000e-004		0.0135	0.0135		0.0133	0.0133	0.0000	39.9554	39.9554	6.3900e-003	0.0000	40.1152
Total	**0.0292**	**0.2379**	**0.2857**	**4.6000e-004**	**0.1156**	**0.0135**	**0.1291**	**0.0175**	**0.0133**	**0.0308**	**0.0000**	**39.9554**	**39.9554**	**6.3900e-003**	**0.0000**	**40.1152**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0112	0.4187	0.0919	1.1600e-003	0.0268	1.7600e-003	0.0286	7.3600e-003	1.6800e-003	9.0400e-003	0.0000	115.4358	115.4358	0.0109	0.0000	115.7083
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.4000e-004	9.0100e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3315	2.3315	6.0000e-005	0.0000	2.3331
Total	**0.0124**	**0.4195**	**0.1009**	**1.1900e-003**	**0.0296**	**1.7800e-003**	**0.0313**	**8.0800e-003**	**1.7000e-003**	**9.7800e-003**	**0.0000**	**117.7673**	**117.7673**	**0.0110**	**0.0000**	**118.0414**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0133	0.0000	0.0133	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.3081	0.1774	4.1000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	36.1412	36.1412	0.0117	0.0000	36.4335
Total	**0.0266**	**0.3081**	**0.1774**	**4.1000e-004**	**0.0133**	**0.0139**	**0.0272**	**1.4400e-003**	**0.0128**	**0.0142**	**0.0000**	**36.1412**	**36.1412**	**0.0117**	**0.0000**	**36.4335**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0124	2.7100e-003	3.0000e-005	7.9000e-004	5.0000e-005	8.4000e-004	2.2000e-004	5.0000e-005	2.7000e-004	0.0000	3.4047	3.4047	3.2000e-004	0.0000	3.4127
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	5.6000e-004	6.0100e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.5544	1.5544	4.0000e-005	0.0000	1.5554
Total	**1.1600e-003**	**0.0129**	**8.7200e-003**	**5.0000e-005**	**2.6000e-003**	**6.0000e-005**	**2.6700e-003**	**7.0000e-004**	**6.0000e-005**	**7.6000e-004**	**0.0000**	**4.9591**	**4.9591**	**3.6000e-004**	**0.0000**	**4.9681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.9300e-003	0.0000	4.9300e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0266	0.3081	0.1774	4.1000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	36.1412	36.1412	0.0117	0.0000	36.4334
Total	**0.0266**	**0.3081**	**0.1774**	**4.1000e-004**	**4.9300e-003**	**0.0139**	**0.0188**	**5.3000e-004**	**0.0128**	**0.0133**	**0.0000**	**36.1412**	**36.1412**	**0.0117**	**0.0000**	**36.4334**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0124	2.7100e-003	3.0000e-005	7.9000e-004	5.0000e-005	8.4000e-004	2.2000e-004	5.0000e-005	2.7000e-004	0.0000	3.4047	3.4047	3.2000e-004	0.0000	3.4127
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	5.6000e-004	6.0100e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.5544	1.5544	4.0000e-005	0.0000	1.5554
Total	**1.1600e-003**	**0.0129**	**8.7200e-003**	**5.0000e-005**	**2.6000e-003**	**6.0000e-005**	**2.6700e-003**	**7.0000e-004**	**6.0000e-005**	**7.6000e-004**	**0.0000**	**4.9591**	**4.9591**	**3.6000e-004**	**0.0000**	**4.9681**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9100e-003	0.0838	0.0470	1.0000e-004		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	9.0647	9.0647	2.9300e-003	0.0000	9.1380
Total	**6.9100e-003**	**0.0838**	**0.0470**	**1.0000e-004**		**3.4900e-003**	**3.4900e-003**		**3.2100e-003**	**3.2100e-003**	**0.0000**	**9.0647**	**9.0647**	**2.9300e-003**	**0.0000**	**9.1380**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5400e-003	0.0488	0.0131	1.1000e-004	2.9900e-003	2.9000e-004	3.2800e-003	8.6000e-004	2.8000e-004	1.1400e-003	0.0000	11.1956	11.1956	9.2000e-004	0.0000	11.2186
Worker	3.9100e-003	2.6300e-003	0.0283	8.0000e-005	8.5300e-003	6.0000e-005	8.6000e-003	2.2700e-003	6.0000e-005	2.3200e-003	0.0000	7.3123	7.3123	2.0000e-004	0.0000	7.3173
Total	**5.4500e-003**	**0.0514**	**0.0413**	**1.9000e-004**	**0.0115**	**3.5000e-004**	**0.0119**	**3.1300e-003**	**3.4000e-004**	**3.4600e-003**	**0.0000**	**18.5079**	**18.5079**	**1.1200e-003**	**0.0000**	**18.5359**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9100e-003	0.0838	0.0470	1.0000e-004		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	9.0647	9.0647	2.9300e-003	0.0000	9.1380
Total	**6.9100e-003**	**0.0838**	**0.0470**	**1.0000e-004**		**3.4900e-003**	**3.4900e-003**		**3.2100e-003**	**3.2100e-003**	**0.0000**	**9.0647**	**9.0647**	**2.9300e-003**	**0.0000**	**9.1380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	1.5400e-003	0.0488	0.0131	1.1000e-004	2.9900e-003	2.9000e-004	3.2800e-003	8.6000e-004	2.8000e-004	1.1400e-003	0.0000	11.1956	11.1956	9.2000e-004	0.0000	11.2186
Worker	3.9100e-003	2.6300e-003	0.0283	8.0000e-005	8.5300e-003	6.0000e-005	8.6000e-003	2.2700e-003	6.0000e-005	2.3200e-003	0.0000	7.3123	7.3123	2.0000e-004	0.0000	7.3173
Total	**5.4500e-003**	**0.0514**	**0.0413**	**1.9000e-004**	**0.0115**	**3.5000e-004**	**0.0119**	**3.1300e-003**	**3.4000e-004**	**3.4600e-003**	**0.0000**	**18.5079**	**18.5079**	**1.1200e-003**	**0.0000**	**18.5359**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0363	0.4355	0.2594	5.9000e-004		0.0177	0.0177		0.0163	0.0163	0.0000	51.8863	51.8863	0.0168	0.0000	52.3058
Total	**0.0363**	**0.4355**	**0.2594**	**5.9000e-004**		**0.0177**	**0.0177**		**0.0163**	**0.0163**	**0.0000**	**51.8863**	**51.8863**	**0.0168**	**0.0000**	**52.3058**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4200e-003	0.2510	0.0676	6.5000e-004	0.0171	7.1000e-004	0.0178	4.9400e-003	6.8000e-004	5.6200e-003	0.0000	63.6639	63.6639	5.0600e-003	0.0000	63.7904
Worker	0.0210	0.0136	0.1493	4.5000e-004	0.0489	3.4000e-004	0.0492	0.0130	3.2000e-004	0.0133	0.0000	40.5993	40.5993	1.0300e-003	0.0000	40.6250
Total	**0.0284**	**0.2645**	**0.2168**	**1.1000e-003**	**0.0660**	**1.0500e-003**	**0.0670**	**0.0179**	**1.0000e-003**	**0.0189**	**0.0000**	**104.2632**	**104.2632**	**6.0900e-003**	**0.0000**	**104.4155**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0363	0.4355	0.2594	5.9000e-004		0.0177	0.0177		0.0163	0.0163	0.0000	51.8863	51.8863	0.0168	0.0000	52.3058
Total	**0.0363**	**0.4355**	**0.2594**	**5.9000e-004**		**0.0177**	**0.0177**		**0.0163**	**0.0163**	**0.0000**	**51.8863**	**51.8863**	**0.0168**	**0.0000**	**52.3058**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4200e-003	0.2510	0.0676	6.5000e-004	0.0171	7.1000e-004	0.0178	4.9400e-003	6.8000e-004	5.6200e-003	0.0000	63.6639	63.6639	5.0600e-003	0.0000	63.7904
Worker	0.0210	0.0136	0.1493	4.5000e-004	0.0489	3.4000e-004	0.0492	0.0130	3.2000e-004	0.0133	0.0000	40.5993	40.5993	1.0300e-003	0.0000	40.6250
Total	**0.0284**	**0.2645**	**0.2168**	**1.1000e-003**	**0.0660**	**1.0500e-003**	**0.0670**	**0.0179**	**1.0000e-003**	**0.0189**	**0.0000**	**104.2632**	**104.2632**	**6.0900e-003**	**0.0000**	**104.4155**

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0129	0.1530	0.0905	1.9000e-004		6.4100e-003	6.4100e-003		5.9000e-003	5.9000e-003	0.0000	16.9862	16.9862	5.4900e-003	0.0000	17.1235

Paving	5.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0186**	**0.1530**	**0.0905**	**1.9000e-004**		**6.4100e-003**	**6.4100e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**16.9862**	**16.9862**	**5.4900e-003**	**0.0000**	**17.1235**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	4.7000e-004	5.0300e-003	1.0000e-005	1.5200e-003	1.0000e-005	1.5300e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3022	1.3022	4.0000e-005	0.0000	1.3031
Total	**7.0000e-004**	**4.7000e-004**	**5.0300e-003**	**1.0000e-005**	**1.5200e-003**	**1.0000e-005**	**1.5300e-003**	**4.0000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.3022**	**1.3022**	**4.0000e-005**	**0.0000**	**1.3031**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0129	0.1530	0.0905	1.9000e-004		6.4100e-003	6.4100e-003		5.9000e-003	5.9000e-003	0.0000	16.9862	16.9862	5.4900e-003	0.0000	17.1235
Paving	5.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0186**	**0.1530**	**0.0905**	**1.9000e-004**		**6.4100e-003**	**6.4100e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**16.9862**	**16.9862**	**5.4900e-003**	**0.0000**	**17.1235**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	4.7000e-004	5.0300e-003	1.0000e-005	1.5200e-003	1.0000e-005	1.5300e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3022	1.3022	4.0000e-005	0.0000	1.3031
Total	**7.0000e-004**	**4.7000e-004**	**5.0300e-003**	**1.0000e-005**	**1.5200e-003**	**1.0000e-005**	**1.5300e-003**	**4.0000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.3022**	**1.3022**	**4.0000e-005**	**0.0000**	**1.3031**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6800e-003	0.0783	0.0495	1.1000e-004		3.2100e-003	3.2100e-003		2.9500e-003	2.9500e-003	0.0000	9.3638	9.3638	3.0300e-003	0.0000	9.4395
Paving	3.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.8300e-003**	**0.0783**	**0.0495**	**1.1000e-004**		**3.2100e-003**	**3.2100e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**9.3638**	**9.3638**	**3.0300e-003**	**0.0000**	**9.4395**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.3000e-004	2.5600e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6969	0.6969	2.0000e-005	0.0000	0.6973
Total	**3.6000e-004**	**2.3000e-004**	**2.5600e-003**	**1.0000e-005**	**8.4000e-004**	**1.0000e-005**	**8.4000e-004**	**2.2000e-004**	**1.0000e-005**	**2.3000e-004**	**0.0000**	**0.6969**	**0.6969**	**2.0000e-005**	**0.0000**	**0.6973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6800e-003	0.0783	0.0495	1.1000e-004		3.2100e-003	3.2100e-003		2.9500e-003	2.9500e-003	0.0000	9.3638	9.3638	3.0300e-003	0.0000	9.4395
Paving	3.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.8300e-003**	**0.0783**	**0.0495**	**1.1000e-004**		**3.2100e-003**	**3.2100e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**9.3638**	**9.3638**	**3.0300e-003**	**0.0000**	**9.4395**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.3000e-004	2.5600e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6969	0.6969	2.0000e-005	0.0000	0.6973
Total	**3.6000e-004**	**2.3000e-004**	**2.5600e-003**	**1.0000e-005**	**8.4000e-004**	**1.0000e-005**	**8.4000e-004**	**2.2000e-004**	**1.0000e-005**	**2.3000e-004**	**0.0000**	**0.6969**	**0.6969**	**2.0000e-005**	**0.0000**	**0.6973**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9300e-003	0.0344	0.0409	7.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	5.7448	5.7448	3.9000e-004	0.0000	5.7547
Total	**0.2583**	**0.0344**	**0.0409**	**7.0000e-005**		**2.1200e-003**	**2.1200e-003**		**2.1200e-003**	**2.1200e-003**	**0.0000**	**5.7448**	**5.7448**	**3.9000e-004**	**0.0000**	**5.7547**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	7.6000e-004	8.3100e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.2615	2.2615	6.0000e-005	0.0000	2.2629
Total	**1.1700e-003**	**7.6000e-004**	**8.3100e-003**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.2615**	**2.2615**	**6.0000e-005**	**0.0000**	**2.2629**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	4.9300e-003	0.0344	0.0409	7.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	5.7448	5.7448	3.9000e-004	0.0000	5.7547
Total	**0.2583**	**0.0344**	**0.0409**	**7.0000e-005**		**2.1200e-003**	**2.1200e-003**		**2.1200e-003**	**2.1200e-003**	**0.0000**	**5.7448**	**5.7448**	**3.9000e-004**	**0.0000**	**5.7547**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	7.6000e-004	8.3100e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.2615	2.2615	6.0000e-005	0.0000	2.2629
Total	**1.1700e-003**	**7.6000e-004**	**8.3100e-003**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.2615**	**2.2615**	**6.0000e-005**	**0.0000**	**2.2629**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6958	1.0713	4.8905	0.0121	1.1656	0.0164	1.1820	0.3115	0.0155	0.3270	0.0000	1,126.4776	1,126.4776	0.0683	0.0000	1,128.1842
Unmitigated	0.6958	1.0713	4.8905	0.0121	1.1656	0.0164	1.1820	0.3115	0.0155	0.3270	0.0000	1,126.4776	1,126.4776	0.0683	0.0000	1,128.1842

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	1,576.38	1,576.38	1576.38	3,085,378	3,085,378
Parking Lot	0.00	0.00	0.00		
Total	1,576.38	1,576.38	1,576.38	3,085,378	3,085,378

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Parking Lot	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	159.0963	159.0963	0.0000	0.0000	159.0963
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	175.7297	175.7297	0.0000	0.0000	175.7297
NaturalGas Mitigated	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7176	17.7176	3.4000e-004	3.2000e-004	17.8229
NaturalGas Unmitigated	2.4900e-003	0.0227	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6745	24.6745	4.7000e-004	4.5000e-004	24.8212

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Medical Office Building	462383	2.4900e-003	0.0227	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6745	24.6745	4.7000e-004	4.5000e-004	24.8212
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**2.4900e-003**	**0.0227**	**0.0190**	**1.4000e-004**		**1.7200e-003**	**1.7200e-003**		**1.7200e-003**	**1.7200e-003**	**0.0000**	**24.6745**	**24.6745**	**4.7000e-004**	**4.5000e-004**	**24.8212**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Medical Office Building	332016	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7176	17.7176	3.4000e-004	3.2000e-004	17.8229
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.7900e-003**	**0.0163**	**0.0137**	**1.0000e-004**		**1.2400e-003**	**1.2400e-003**		**1.2400e-003**	**1.2400e-003**	**0.0000**	**17.7176**	**17.7176**	**3.4000e-004**	**3.2000e-004**	**17.8229**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Medical Office Building	707740	164.6861	0.0000	0.0000	164.6861
Parking Lot	47460	11.0436	0.0000	0.0000	11.0436
Total		**175.7297**	**0.0000**	**0.0000**	**175.7297**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Medical Office Building	636258	148.0527	0.0000	0.0000	148.0527
Parking Lot	47460	11.0436	0.0000	0.0000	11.0436
Total		**159.0963**	**0.0000**	**0.0000**	**159.0963**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	0.2700	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003
Unmitigated	0.2700	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4000e-004	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003
Total	**0.2700**	**3.0000e-005**	**3.5900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.9600e-003**	**6.9600e-003**	**2.0000e-005**	**0.0000**	**7.4200e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4000e-004	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003

Total	**0.2700**	**3.0000e-005**	**3.5900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.9600e-003**	**6.9600e-003**	**2.0000e-005**	**0.0000**	**7.4200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.9336	0.1655	3.9100e-003	25.2350
Unmitigated	24.3738	0.2069	4.8800e-003	31.0006

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Medical Office Building	6.34806 / 1.20915	24.3738	0.2069	4.8800e-003	31.0006
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000

Total		**24.3738**	**0.2069**	**4.8800e-003**	**31.0006**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Medical Office Building	5.07845 / 1.1354	19.9336	0.1655	3.9100e-003	25.2350
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**19.9336**	**0.1655**	**3.9100e-003**	**25.2350**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.7270	1.6386	0.0000	68.6926
Unmitigated	110.9082	6.5545	0.0000	274.7703

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Medical Office Building	546.37	110.9082	6.5545	0.0000	274.7703
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**110.9082**	**6.5545**	**0.0000**	**274.7703**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Medical Office Building	136.593	27.7270	1.6386	0.0000	68.6926
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**27.7270**	**1.6386**	**0.0000**	**68.6926**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VA Medical Facility Mitigated - Ventura County APCD Air District, Summer

VA Medical Facility Mitigated

Ventura County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.59	1000sqft	1.23	50,589.00	0
Parking Lot	339.00	Space	6.76	135,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - total area is 7.99 acres

Construction Phase - construction phase provided by project applicant

Off-road Equipment -

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Trips and VMT - grading phase hauling distance provided by project applicant

Demolition -

Grading -

Architectural Coating - mitigation measure low VOC painting

Vehicle Trips - account for existing trip credits

Energy Use -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55; mitigation measure Tier 4 engine

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
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tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.24	0.46
tblVehicleEF	LDT1	0.01	7.7810e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.39	1.52
tblVehicleEF	LDT1	4.15	2.91
tblVehicleEF	LDT1	319.51	314.19
tblVehicleEF	LDT1	73.17	68.38
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.22	0.35
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003

tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	3.2120e-003	3.1090e-003
tblVehicleEF	LDT1	8.0500e-004	6.7700e-004
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.31	0.58
tblVehicleEF	LDT2	6.0230e-003	4.7180e-003
tblVehicleEF	LDT2	8.2110e-003	0.08
tblVehicleEF	LDT2	0.76	1.01
tblVehicleEF	LDT2	1.71	2.97
tblVehicleEF	LDT2	361.49	342.97
tblVehicleEF	LDT2	82.28	73.48
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.34
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02

tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	3.6200e-003	3.3930e-003
tblVehicleEF	LDT2	8.5200e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.12	0.42
tblVehicleEF	LDT2	6.3890e-003	5.0460e-003
tblVehicleEF	LDT2	7.1110e-003	0.07
tblVehicleEF	LDT2	0.82	1.10
tblVehicleEF	LDT2	1.41	2.44
tblVehicleEF	LDT2	377.11	354.69
tblVehicleEF	LDT2	82.28	72.46
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.13	0.31
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	3.7780e-003	3.5090e-003
tblVehicleEF	LDT2	8.4700e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15

tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	5.9170e-003	4.6060e-003
tblVehicleEF	LDT2	8.8780e-003	0.09
tblVehicleEF	LDT2	0.74	0.99
tblVehicleEF	LDT2	1.90	3.31
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tblVehicleEF	LDT2	82.28	74.13
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.15	0.36
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	3.5910e-003	3.3710e-003
tblVehicleEF	LDT2	8.5500e-004	7.3400e-004
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.13	0.45
tblVehicleEF	LHD1	5.4500e-003	4.8740e-003
tblVehicleEF	LHD1	0.01	7.0360e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	2.80	1.06
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.54
tblVehicleEF	LHD1	30.81	10.72
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.01	1.61
tblVehicleEF	LHD1	1.01	0.31
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
tblVehicleEF	LHD1	3.6100e-004	1.0600e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003

tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4500e-003	4.8890e-003
tblVehicleEF	LHD1	0.01	7.1990e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.08	0.89
tblVehicleEF	LHD1	2.63	1.00
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.57
tblVehicleEF	LHD1	30.81	10.60
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	1.91	1.53
tblVehicleEF	LHD1	0.95	0.29
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9620e-003	6.3090e-003

tblVehicleEF	LHD1	3.5800e-004	1.0500e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.4500e-003	4.8640e-003
tblVehicleEF	LHD1	0.01	6.9320e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.04	0.86
tblVehicleEF	LHD1	2.93	1.11
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.52
tblVehicleEF	LHD1	30.81	10.80
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.00	1.60
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9610e-003	6.3090e-003
tblVehicleEF	LHD1	3.6300e-004	1.0700e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD2	4.2020e-003	3.5550e-003
tblVehicleEF	LHD2	4.9950e-003	4.5140e-003
tblVehicleEF	LHD2	9.9130e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.55
tblVehicleEF	LHD2	1.40	0.68
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.88
tblVehicleEF	LHD2	27.72	8.34
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.38	1.61
tblVehicleEF	LHD2	0.64	0.22
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.3990e-003
tblVehicleEF	LHD2	3.0300e-004	8.3000e-005
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5650e-003
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tblVehicleEF	LHD2	9.4460e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.56
tblVehicleEF	LHD2	1.32	0.64
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.89
tblVehicleEF	LHD2	27.72	8.27
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.32	1.54
tblVehicleEF	LHD2	0.60	0.21
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.4000e-003
tblVehicleEF	LHD2	3.0200e-004	8.2000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5470e-003
tblVehicleEF	LHD2	4.9440e-003	4.4790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.46	0.55
tblVehicleEF	LHD2	1.46	0.71
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.87
tblVehicleEF	LHD2	27.72	8.39

tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.37	1.61
tblVehicleEF	LHD2	0.66	0.23
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0830e-003	6.3990e-003
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tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.46	0.35
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	20.09	20.37
tblVehicleEF	MCY	9.88	8.73

tblVehicleEF	MCY	173.31	214.04
tblVehicleEF	MCY	47.17	62.39
tblVehicleEF	MCY	1.15	1.15
tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.23	1.96
tblVehicleEF	MCY	2.1330e-003	2.1180e-003
tblVehicleEF	MCY	6.9900e-004	6.1700e-004
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.97	2.99
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.42	2.14
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.75	19.00
tblVehicleEF	MCY	8.78	7.72
tblVehicleEF	MCY	173.31	211.50
tblVehicleEF	MCY	47.17	59.78
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.30	0.25
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003

tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	1.90	1.66
tblVehicleEF	MCY	2.1080e-003	2.0930e-003
tblVehicleEF	MCY	6.7100e-004	5.9200e-004
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.85	2.86
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	0.47	0.36
tblVehicleEF	MCY	0.18	0.28
tblVehicleEF	MCY	21.20	21.51
tblVehicleEF	MCY	10.68	9.48
tblVehicleEF	MCY	173.31	216.12
tblVehicleEF	MCY	47.17	64.29
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	0.33	0.28
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	2.50	2.52

tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.46	2.18
tblVehicleEF	MCY	2.1530e-003	2.1390e-003
tblVehicleEF	MCY	7.1900e-004	6.3600e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	3.06	3.08
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.67	2.37
tblVehicleEF	MDV	0.01	6.3020e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.36	1.23
tblVehicleEF	MDV	3.39	3.65
tblVehicleEF	MDV	492.62	422.92
tblVehicleEF	MDV	110.36	90.44
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.31	0.44
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	4.9360e-003	4.1810e-003
tblVehicleEF	MDV	1.1630e-003	8.9500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.01	6.6830e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.46	1.32
tblVehicleEF	MDV	2.79	2.99
tblVehicleEF	MDV	513.29	435.26
tblVehicleEF	MDV	110.36	89.15
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.28	0.40
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.23	0.44
tblVehicleEF	MDV	5.1440e-003	4.3030e-003
tblVehicleEF	MDV	1.1530e-003	8.8200e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.25	0.48
tblVehicleEF	MDV	0.01	6.1890e-003
tblVehicleEF	MDV	0.02	0.11

tblVehicleEF	MDV	1.35	1.22
tblVehicleEF	MDV	3.76	4.07
tblVehicleEF	MDV	488.70	420.59
tblVehicleEF	MDV	110.36	91.24
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.33	0.46
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MDV	4.8970e-003	4.1580e-003
tblVehicleEF	MDV	1.1700e-003	9.0300e-004
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.31	0.61
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.14	1.61
tblVehicleEF	MH	6.76	2.28
tblVehicleEF	MH	1,096.41	1,520.04
tblVehicleEF	MH	59.77	19.90
tblVehicleEF	MH	1.66	1.55
tblVehicleEF	MH	0.94	0.25

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.39	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1600e-004	1.9700e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.26	1.67
tblVehicleEF	MH	6.24	2.11
tblVehicleEF	MH	1,096.41	1,520.13
tblVehicleEF	MH	59.77	19.62
tblVehicleEF	MH	1.55	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003

tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.9400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.07	1.58
tblVehicleEF	MH	7.07	2.38
tblVehicleEF	MH	1,096.41	1,519.98
tblVehicleEF	MH	59.77	20.07
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tblVehicleEF	MH	0.99	0.26
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09

tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2100e-004	1.9900e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.85
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tblVehicleEF	MHD	0.37	0.59
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tblVehicleEF	MHD	1.19	2.35
tblVehicleEF	MHD	11.42	1.22
tblVehicleEF	MHD	1.6840e-003	2.2720e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.6110e-003	2.1730e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	1.4390e-003	6.9000e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9100e-004	7.9000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
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tblVehicleEF	MHD	0.02	0.11
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tblVehicleEF	MHD	0.02	2.8380e-003
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tblVehicleEF	MHD	0.27	0.28
tblVehicleEF	MHD	0.37	0.60
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tblVehicleEF	MHD	1.14	2.24
tblVehicleEF	MHD	11.36	1.21
tblVehicleEF	MHD	1.4200e-003	1.9180e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.3580e-003	1.8350e-003
tblVehicleEF	MHD	7.2450e-003	0.07

tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
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tblVehicleEF	MHD	1.5230e-003	7.0300e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.8300e-004	7.8000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.2040e-003
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tblVehicleEF	MHD	0.06	8.6540e-003
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tblVehicleEF	MHD	0.36	0.59
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tblVehicleEF	MHD	137.40	70.88
tblVehicleEF	MHD	1,121.50	1,017.65
tblVehicleEF	MHD	56.66	8.04
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tblVehicleEF	MHD	1.18	2.33
tblVehicleEF	MHD	11.47	1.22
tblVehicleEF	MHD	2.0490e-003	2.7600e-003
tblVehicleEF	MHD	7.5760e-003	0.07

tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.9600e-003	2.6410e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	1.3240e-003	6.7200e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9700e-004	8.0000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
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tblVehicleEF	OBUS	0.74	1.37
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tblVehicleEF	OBUS	1,156.72	1,392.17
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tblVehicleEF	OBUS	0.19	0.30
tblVehicleEF	OBUS	1.06	2.09

tblVehicleEF	OBUS	1.79	0.57
tblVehicleEF	OBUS	6.4000e-005	1.2590e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	6.1000e-005	1.2040e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.1000e-004	9.2900e-004
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.06	0.29
tblVehicleEF	OBUS	0.40	0.14
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tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
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tblVehicleEF	OBUS	0.05	0.06
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tblVehicleEF	OBUS	0.44	0.15
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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.37
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tblVehicleEF	OBUS	50.64	51.84
tblVehicleEF	OBUS	1,156.72	1,392.22

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tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	5.2000e-005	1.0170e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.8770e-003	2.4600e-003
tblVehicleEF	OBUS	0.02	0.03
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tblVehicleEF	OBUS	1.2040e-003	1.5610e-003
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.06	0.28
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	1.2040e-003	1.5610e-003
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tblVehicleEF	OBUS	0.06	0.28
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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.40
tblVehicleEF	OBUS	0.73	1.35
tblVehicleEF	OBUS	6.82	3.02

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tblVehicleEF	OBUS	7.8000e-005	1.5290e-003
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tblVehicleEF	OBUS	7.4000e-005	1.4630e-003
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tblVehicleEF	OBUS	8.9900e-004	1.1940e-003
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tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	5.0000e-004	6.5500e-004
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.07	0.31
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	4.5400e-004	4.8700e-004
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tblVehicleEF	OBUS	8.9900e-004	1.1940e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	5.0000e-004	6.5500e-004
tblVehicleEF	OBUS	0.06	0.16
tblVehicleEF	OBUS	0.07	0.31
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tblVehicleEF	SBUS	0.88	0.04
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tblVehicleEF	SBUS	8.46	1.82
tblVehicleEF	SBUS	0.78	1.33
tblVehicleEF	SBUS	8.43	0.84
tblVehicleEF	SBUS	1,117.55	349.50
tblVehicleEF	SBUS	1,085.75	1,193.08
tblVehicleEF	SBUS	55.21	3.87
tblVehicleEF	SBUS	9.72	3.86
tblVehicleEF	SBUS	4.61	7.02
tblVehicleEF	SBUS	12.05	0.47
tblVehicleEF	SBUS	0.01	5.9250e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	0.01	5.6690e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	3.1930e-003	1.3240e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.03	0.21
tblVehicleEF	SBUS	1.4900e-003	5.8100e-004
tblVehicleEF	SBUS	0.11	0.17
tblVehicleEF	SBUS	0.02	0.14
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.01	3.3230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	3.8000e-005
tblVehicleEF	SBUS	3.1930e-003	1.3240e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.48	0.30
tblVehicleEF	SBUS	1.4900e-003	5.8100e-004
tblVehicleEF	SBUS	0.13	0.21

tblVehicleEF	SBUS	0.02	0.14
tblVehicleEF	SBUS	0.46	0.03
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	4.5170e-003
tblVehicleEF	SBUS	8.34	1.77
tblVehicleEF	SBUS	0.79	1.36
tblVehicleEF	SBUS	6.56	0.65
tblVehicleEF	SBUS	1,167.77	362.69
tblVehicleEF	SBUS	1,085.75	1,193.13
tblVehicleEF	SBUS	55.21	3.56
tblVehicleEF	SBUS	10.03	3.97
tblVehicleEF	SBUS	4.41	6.71
tblVehicleEF	SBUS	12.01	0.46
tblVehicleEF	SBUS	8.8730e-003	5.0020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	8.4900e-003	4.7850e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	4.8770e-003	1.9990e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.02	0.21
tblVehicleEF	SBUS	2.5980e-003	9.8700e-004
tblVehicleEF	SBUS	0.11	0.18
tblVehicleEF	SBUS	0.02	0.12
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4470e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6600e-004	3.5000e-005

tblVehicleEF	SBUS	4.8770e-003	1.9990e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.48	0.30
tblVehicleEF	SBUS	2.5980e-003	9.8700e-004
tblVehicleEF	SBUS	0.14	0.21
tblVehicleEF	SBUS	0.02	0.12
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	5.5820e-003
tblVehicleEF	SBUS	8.63	1.90
tblVehicleEF	SBUS	0.77	1.31
tblVehicleEF	SBUS	9.46	0.94
tblVehicleEF	SBUS	1,048.20	331.27
tblVehicleEF	SBUS	1,085.75	1,193.05
tblVehicleEF	SBUS	55.21	4.04
tblVehicleEF	SBUS	9.29	3.70
tblVehicleEF	SBUS	4.59	6.99
tblVehicleEF	SBUS	12.08	0.47
tblVehicleEF	SBUS	0.01	7.2000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	0.01	6.8890e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	1.03	0.21
tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
tblVehicleEF	SBUS	0.11	0.17

tblVehicleEF	SBUS	0.03	0.17
tblVehicleEF	SBUS	0.45	0.03
tblVehicleEF	SBUS	0.01	3.1500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1400e-004	4.0000e-005
tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	1.49	0.30
tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
tblVehicleEF	SBUS	0.13	0.21
tblVehicleEF	SBUS	0.03	0.17
tblVehicleEF	SBUS	0.49	0.04
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.06	21.79
tblVehicleEF	UBUS	10.15	1.73
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.69
tblVehicleEF	UBUS	4.20	0.43
tblVehicleEF	UBUS	13.57	0.19
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	0.40	0.05

tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.74	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4320e-003	1.9500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.81	0.11
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.09	21.79
tblVehicleEF	UBUS	8.57	1.46
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.25
tblVehicleEF	UBUS	4.00	0.42
tblVehicleEF	UBUS	13.50	0.18
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.67	0.09

tblVehicleEF	UBUS	8.3990e-003	5.8660e-003
tblVehicleEF	UBUS	1.4050e-003	1.9000e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.73	0.10
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.04	21.79
tblVehicleEF	UBUS	11.20	1.90
tblVehicleEF	UBUS	1,824.90	1,604.22
tblVehicleEF	UBUS	125.02	19.99
tblVehicleEF	UBUS	4.18	0.43
tblVehicleEF	UBUS	13.63	0.20
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.79	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4500e-003	1.9800e-004

tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	2.49	2.91
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.86	0.11
tblVehicleTrips	ST_TR	8.96	31.16
tblVehicleTrips	SU_TR	1.55	31.16
tblVehicleTrips	WD_TR	36.13	31.16

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.2232	28.7585	17.0826	0.0737	15.2010	1.1153	15.8811	2.4643	1.0262	3.1280	0.0000	7,766.7505	7,766.7505	1.0626	0.0000	7,787.8243
2021	12.3036	18.1960	12.2766	0.0350	0.9325	0.6275	1.5435	0.2520	0.5776	0.8253	0.0000	3,495.8297	3,495.8297	0.7222	0.0000	3,513.8839
Maximum	**12.3036**	**28.7585**	**17.0826**	**0.0737**	**15.2010**	**1.1153**	**15.8811**	**2.4643**	**1.0262**	**3.1280**	**0.0000**	**7,766.7505**	**7,766.7505**	**1.0626**	**0.0000**	**7,787.8243**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2020	0.9310	20.1984	19.2739	0.0737	6.4728	0.1078	6.5806	1.1426	0.1044	1.2470	0.0000	7,766.7505	7,766.7505	1.0626	0.0000	7,787.8243
2021	11.7905	4.7240	15.4258	0.0350	0.9325	0.0290	0.9614	0.2520	0.0282	0.2803	0.0000	3,495.8297	3,495.8297	0.7222	0.0000	3,513.8839
Maximum	**11.7905**	**20.1984**	**19.2739**	**0.0737**	**6.4728**	**0.1078**	**6.5806**	**1.1426**	**0.1044**	**1.2470**	**0.0000**	**7,766.7505**	**7,766.7505**	**1.0626**	**0.0000**	**7,787.8243**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**12.43**	**46.92**	**-18.19**	**0.00**	**54.10**	**92.15**	**56.72**	**48.66**	**91.73**	**61.37**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Energy	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214
Mobile	3.8762	5.5117	26.5493	0.0687	6.5232	0.0901	6.6134	1.7408	0.0849	1.8258		7,029.0628	7,029.0628	0.3899		7,038.8110
Total	**5.3713**	**5.6363**	**26.6935**	**0.0694**	**6.5232**	**0.0997**	**6.6230**	**1.7408**	**0.0945**	**1.8353**		**7,178.1838**	**7,178.1838**	**0.3930**	**2.7300e-003**	**7,188.8233**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Energy	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515

Mobile	3.8762	5.5117	26.5493	0.0687	6.5232	0.0901	6.6134	1.7408	0.0849	1.8258		7,029.0628	7,029.0628	0.3899		7,038.8110
Total	**5.3674**	**5.6013**	**26.6641**	**0.0692**	**6.5232**	**0.0971**	**6.6203**	**1.7408**	**0.0919**	**1.8327**		**7,136.1636**	**7,136.1636**	**0.3922**	**1.9600e-003**	**7,146.5533**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**0.62**	**0.11**	**0.30**	**0.00**	**2.67**	**0.04**	**0.00**	**2.81**	**0.14**	**0.00**	**0.59**	**0.59**	**0.21**	**28.21**	**0.59**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	10/18/2020	5	45	
2	Grading	Grading	10/19/2020	11/20/2020	5	25	
3	Building Construction	Building Construction	11/21/2020	8/22/2021	5	195	
4	Paving	Paving	11/21/2020	1/24/2021	5	45	
5	Architectural Coating	Architectural Coating	7/5/2021	9/5/2021	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 25

Acres of Paving: 6.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,884; Non-Residential Outdoor: 25,295; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41

Grading	Surfacing Equipment	1	8.00	263	0.30
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Paving	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	15.00	0.00	2,848.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Grading	6	18.00	0.00	84.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	73.00	31.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					13.8653	0.0000	13.8653	2.0997	0.0000	2.0997			0.0000			0.0000
Off-Road	1.2962	10.5728	12.6967	0.0205		0.6019	0.6019		0.5889	0.5889		1,957.4819	1,957.4819	0.3131		1,965.3105
Total	**1.2962**	**10.5728**	**12.6967**	**0.0205**	**13.8653**	**0.6019**	**14.4672**	**2.0997**	**0.5889**	**2.6885**		**1,957.4819**	**1,957.4819**	**0.3131**		**1,965.3105**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4896	18.1528	3.9714	0.0520	1.2125	0.0774	1.2899	0.3320	0.0740	0.4060		5,690.1962	5,690.1962	0.5266		5,703.3620
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0329	0.4145	1.2000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		119.0724	119.0724	3.1800e-003		119.1518
Total	**0.5444**	**18.1857**	**4.3860**	**0.0532**	**1.3357**	**0.0782**	**1.4140**	**0.3646**	**0.0748**	**0.4395**		**5,809.2686**	**5,809.2686**	**0.5298**		**5,822.5138**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1371	0.0000	5.1371	0.7779	0.0000	0.7779			0.0000			0.0000
Off-Road	0.2472	2.0127	13.6726	0.0205		0.0296	0.0296		0.0296	0.0296	0.0000	1,957.4819	1,957.4819	0.3131		1,965.3105
Total	**0.2472**	**2.0127**	**13.6726**	**0.0205**	**5.1371**	**0.0296**	**5.1667**	**0.7779**	**0.0296**	**0.8075**	**0.0000**	**1,957.4819**	**1,957.4819**	**0.3131**		**1,965.3105**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4896	18.1528	3.9714	0.0520	1.2125	0.0774	1.2899	0.3320	0.0740	0.4060		5,690.1962	5,690.1962	0.5266		5,703.3620
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0329	0.4145	1.2000e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		119.0724	119.0724	3.1800e-003		119.1518
Total	**0.5444**	**18.1857**	**4.3860**	**0.0532**	**1.3357**	**0.0782**	**1.4140**	**0.3646**	**0.0748**	**0.4395**		**5,809.2686**	**5,809.2686**	**0.5298**		**5,822.5138**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0653	0.0000	1.0653	0.1152	0.0000	0.1152			0.0000			0.0000
Off-Road	2.1314	24.6446	14.1946	0.0329		1.1101	1.1101		1.0213	1.0213		3,187.1109	3,187.1109	1.0308		3,212.8803
Total	**2.1314**	**24.6446**	**14.1946**	**0.0329**	**1.0653**	**1.1101**	**2.1754**	**0.1152**	**1.0213**	**1.1366**		**3,187.1109**	**3,187.1109**	**1.0308**		**3,212.8803**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day					
Hauling	0.0260	0.9637	0.2108	2.7600e-003	0.0644	4.1100e-003	0.0685	0.0176	3.9300e-003	0.0216		302.0919	302.0919	0.0280		302.7909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822
Total	**0.0918**	**1.0032**	**0.7083**	**4.1900e-003**	**0.2122**	**5.1500e-003**	**0.2174**	**0.0568**	**4.8900e-003**	**0.0617**		**444.9787**	**444.9787**	**0.0318**		**445.7730**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3947	0.0000	0.3947	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	-0.1107	-4.0716	18.5657	0.0329		-0.3303	-0.3303		-0.2984	-0.2984	0.0000	3,187.1109	3,187.1109	1.0308		3,212.8803
Total	**-0.1107**	**-4.0716**	**18.5657**	**0.0329**	**0.3947**	**-0.3303**	**0.0644**	**0.0427**	**-0.2984**	**-0.2557**	**0.0000**	**3,187.1109**	**3,187.1109**	**1.0308**		**3,212.8803**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0260	0.9637	0.2108	2.7600e-003	0.0644	4.1100e-003	0.0685	0.0176	3.9300e-003	0.0216		302.0919	302.0919	0.0280		302.7909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0658	0.0395	0.4974	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.8868	142.8868	3.8100e-003		142.9822

Total	**0.0918**	**1.0032**	**0.7083**	**4.1900e-003**	**0.2122**	**5.1500e-003**	**0.2174**	**0.0568**	**4.8900e-003**	**0.0617**		**444.9787**	**444.9787**	**0.0318**		**445.7730**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4766	5.7800	3.2410	7.1100e-003		0.2405	0.2405		0.2212	0.2212		689.1097	689.1097	0.2229		694.6815
Total	**0.4766**	**5.7800**	**3.2410**	**7.1100e-003**		**0.2405**	**0.2405**		**0.2212**	**0.2212**		**689.1097**	**689.1097**	**0.2229**		**694.6815**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1038	3.3218	0.8488	8.0000e-003	0.2095	0.0199	0.2294	0.0603	0.0190	0.0793		859.9353	859.9353	0.0682		861.6391
Worker	0.2667	0.1602	2.0173	5.8200e-003	0.5997	4.2300e-003	0.6039	0.1591	3.9000e-003	0.1630		579.4855	579.4855	0.0155		579.8722
Total	**0.3705**	**3.4820**	**2.8661**	**0.0138**	**0.8092**	**0.0241**	**0.8334**	**0.2194**	**0.0229**	**0.2423**		**1,439.4208**	**1,439.4208**	**0.0836**		**1,441.5113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1129	1.4310	3.8438	7.1100e-003		0.0117	0.0117		0.0117	0.0117	0.0000	689.1097	689.1097	0.2229		694.6815
Total	**0.1129**	**1.4310**	**3.8438**	**7.1100e-003**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**689.1097**	**689.1097**	**0.2229**		**694.6815**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1038	3.3218	0.8488	8.0000e-003	0.2095	0.0199	0.2294	0.0603	0.0190	0.0793		859.9353	859.9353	0.0682		861.6391
Worker	0.2667	0.1602	2.0173	5.8200e-003	0.5997	4.2300e-003	0.6039	0.1591	3.9000e-003	0.1630		579.4855	579.4855	0.0155		579.8722
Total	**0.3705**	**3.4820**	**2.8661**	**0.0138**	**0.8092**	**0.0241**	**0.8334**	**0.2194**	**0.0229**	**0.2423**		**1,439.4208**	**1,439.4208**	**0.0836**		**1,441.5113**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4368	5.2467	3.1249	7.1200e-003		0.2131	0.2131		0.1961	0.1961		689.0948	689.0948	0.2229		694.6665
Total	**0.4368**	**5.2467**	**3.1249**	**7.1200e-003**		**0.2131**	**0.2131**		**0.1961**	**0.1961**		**689.0948**	**689.0948**	**0.2229**		**694.6665**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0871	2.9902	0.7663	7.9400e-003	0.2096	8.3300e-003	0.2179	0.0603	7.9600e-003	0.0683		854.3157	854.3157	0.0654		855.9506
Worker	0.2500	0.1443	1.8643	5.6400e-003	0.5997	4.1600e-003	0.6038	0.1591	3.8300e-003	0.1629		562.0920	562.0920	0.0141		562.4446
Total	**0.3371**	**3.1345**	**2.6306**	**0.0136**	**0.8092**	**0.0125**	**0.8217**	**0.2194**	**0.0118**	**0.2312**		**1,416.4077**	**1,416.4077**	**0.0795**		**1,418.3952**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1129	1.4310	3.8438	7.1200e-003		0.0117	0.0117		0.0117	0.0117	0.0000	689.0948	689.0948	0.2229		694.6665
Total	**0.1129**	**1.4310**	**3.8438**	**7.1200e-003**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**689.0948**	**689.0948**	**0.2229**		**694.6665**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0871	2.9902	0.7663	7.9400e-003	0.2096	8.3300e-003	0.2179	0.0603	7.9600e-003	0.0683		854.3157	854.3157	0.0654		855.9506
Worker	0.2500	0.1443	1.8643	5.6400e-003	0.5997	4.1600e-003	0.6038	0.1591	3.8300e-003	0.1629		562.0920	562.0920	0.0141		562.4446
Total	**0.3371**	**3.1345**	**2.6306**	**0.0136**	**0.8092**	**0.0125**	**0.8217**	**0.2194**	**0.0118**	**0.2312**		**1,416.4077**	**1,416.4077**	**0.0795**		**1,418.3952**

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8914	10.5480	6.2422	0.0133		0.4420	0.4420		0.4067	0.4067		1,291.3133	1,291.3133	0.4176		1,301.7542
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2850**	**10.5480**	**6.2422**	**0.0133**		**0.4420**	**0.4420**		**0.4067**	**0.4067**		**1,291.3133**	**1,291.3133**	**0.4176**		**1,301.7542**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.0475**	**0.0285**	**0.3593**	**1.0400e-003**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**103.1961**	**103.1961**	**2.7500e-003**		**103.2649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.4200e-003	-1.2146	8.6263	0.0133		-0.0786	-0.0786		-0.0700	-0.0700	0.0000	1,291.3133	1,291.3133	0.4176		1,301.7542
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4000**	**-1.2146**	**8.6263**	**0.0133**		**-0.0786**	**-0.0786**		**-0.0700**	**-0.0700**	**0.0000**	**1,291.3133**	**1,291.3133**	**0.4176**		**1,301.7542**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0285	0.3593	1.0400e-003	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		103.1961	103.1961	2.7500e-003		103.2649
Total	**0.0475**	**0.0285**	**0.3593**	**1.0400e-003**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**103.1961**	**103.1961**	**2.7500e-003**		**103.2649**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8345	9.7891	6.1890	0.0133		0.4012	0.4012		0.3691	0.3691		1,290.2287	1,290.2287	0.4173		1,300.6609
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2281**	**9.7891**	**6.1890**	**0.0133**		**0.4012**	**0.4012**		**0.3691**	**0.3691**		**1,290.2287**	**1,290.2287**	**0.4173**		**1,300.6609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0445	0.0257	0.3320	1.0000e-003	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		100.0986	100.0986	2.5100e-003		100.1614
Total	**0.0445**	**0.0257**	**0.3320**	**1.0000e-003**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**100.0986**	**100.0986**	**2.5100e-003**		**100.1614**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0218	-1.0135	8.6193	0.0133		-0.0673	-0.0673		-0.0596	-0.0596	0.0000	1,290.2287	1,290.2287	0.4173		1,300.6609

Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4154**	**-1.0135**	**8.6193**	**0.0133**		**-0.0673**	**-0.0673**		**-0.0596**	**-0.0596**	**0.0000**	**1,290.2287**	**1,290.2287**	**0.4173**		**1,300.6609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0445	0.0257	0.3320	1.0000e-003	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		100.0986	100.0986	2.5100e-003		100.1614
Total	**0.0445**	**0.0257**	**0.3320**	**1.0000e-003**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**100.0986**	**100.0986**	**2.5100e-003**		**100.1614**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**11.4783**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0297	0.3831	1.1600e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		115.4984	115.4984	2.9000e-003		115.5708
Total	**0.0514**	**0.0297**	**0.3831**	**1.1600e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**115.4984**	**115.4984**	**2.9000e-003**		**115.5708**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**11.2892**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0514	0.0297	0.3831	1.1600e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		115.4984	115.4984	2.9000e-003		115.5708
Total	**0.0514**	**0.0297**	**0.3831**	**1.1600e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**115.4984**	**115.4984**	**2.9000e-003**		**115.5708**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8762	5.5117	26.5493	0.0687	6.5232	0.0901	6.6134	1.7408	0.0849	1.8258		7,029.0628	7,029.0628	0.3899		7,038.8110
Unmitigated	3.8762	5.5117	26.5493	0.0687	6.5232	0.0901	6.6134	1.7408	0.0849	1.8258		7,029.0628	7,029.0628	0.3899		7,038.8110

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	1,576.38	1,576.38	1576.38	3,085,378	3,085,378
Parking Lot	0.00	0.00	0.00		
Total	1,576.38	1,576.38	1,576.38	3,085,378	3,085,378

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Parking Lot	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
NaturalGas Unmitigated	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	1266.8	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0137**	**0.1242**	**0.1043**	**7.5000e-004**		**9.4400e-003**	**9.4400e-003**		**9.4400e-003**	**9.4400e-003**		**149.0358**	**149.0358**	**2.8600e-003**	**2.7300e-003**	**149.9214**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	0.909632	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**9.8100e-003**	**0.0892**	**0.0749**	**5.4000e-004**		**6.7800e-003**	**6.7800e-003**		**6.7800e-003**	**6.7800e-003**		**107.0155**	**107.0155**	**2.0500e-003**	**1.9600e-003**	**107.6515**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Unmitigated	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3470					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7300e-003	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Total	**1.4814**	**3.7000e-004**	**0.0399**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0853**	**0.0853**	**2.3000e-004**		**0.0909**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3470					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7300e-003	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Total	**1.4814**	**3.7000e-004**	**0.0399**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0853**	**0.0853**	**2.3000e-004**		**0.0909**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VA Medical Facility Mitigated - Ventura County APCD Air District, Winter

VA Medical Facility Mitigated

Ventura County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.59	1000sqft	1.23	50,589.00	0
Parking Lot	339.00	Space	6.76	135,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - total area is 7.99 acres

Construction Phase - construction phase provided by project applicant

Off-road Equipment -

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Trips and VMT - grading phase hauling distance provided by project applicant

Demolition -

Grading -

Architectural Coating - mitigation measure low VOC painting

Vehicle Trips - account for existing trip credits

Energy Use -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55; mitigation measure Tier 4 engine

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstructionPhase	NumDays	20.00	45.00
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tblLandUse	LotAcreage	1.16	1.23
tblLandUse	LotAcreage	3.05	6.76
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripNumber	106.00	84.00
tblTripsAndVMT	WorkerTripNumber	10.00	15.00
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	8.00	13.00
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tblVehicleEF	HHD	0.03	0.03

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tblVehicleEF	HHD	0.12	0.11
tblVehicleEF	HHD	5.3400e-004	2.0820e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5800e-004	1.0000e-006
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tblVehicleEF	HHD	4.7890e-003	3.3700e-004
tblVehicleEF	HHD	0.84	0.47
tblVehicleEF	HHD	4.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	5.3400e-004	2.0820e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	LDA	4.6550e-003	2.8470e-003
tblVehicleEF	LDA	6.3670e-003	0.06
tblVehicleEF	LDA	0.60	0.69
tblVehicleEF	LDA	1.32	2.31
tblVehicleEF	LDA	260.42	264.18
tblVehicleEF	LDA	58.89	55.48
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	2.6080e-003	2.6130e-003
tblVehicleEF	LDA	6.1100e-004	5.4900e-004
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.29
tblVehicleEF	LDA	4.9350e-003	3.0560e-003
tblVehicleEF	LDA	5.5050e-003	0.05
tblVehicleEF	LDA	0.66	0.76
tblVehicleEF	LDA	1.08	1.89
tblVehicleEF	LDA	271.93	275.59
tblVehicleEF	LDA	58.89	54.70
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.23

tblVehicleEF	LDA	2.7240e-003	2.7260e-003
tblVehicleEF	LDA	6.0700e-004	5.4100e-004
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	4.5780e-003	2.7750e-003
tblVehicleEF	LDA	6.8930e-003	0.06
tblVehicleEF	LDA	0.59	0.68
tblVehicleEF	LDA	1.47	2.57
tblVehicleEF	LDA	258.24	262.02
tblVehicleEF	LDA	58.89	55.97
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.22
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.09	0.29
tblVehicleEF	LDA	2.5860e-003	2.5920e-003
tblVehicleEF	LDA	6.1400e-004	5.5400e-004
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.10	0.32
tblVehicleEF	LDT1	0.01	7.9510e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.40	1.54
tblVehicleEF	LDT1	3.72	2.61
tblVehicleEF	LDT1	322.08	316.43
tblVehicleEF	LDT1	73.17	67.76
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.21	0.33
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	3.2380e-003	3.1310e-003
tblVehicleEF	LDT1	7.9700e-004	6.7100e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	0.01	8.4580e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.51	1.66
tblVehicleEF	LDT1	3.04	2.13

tblVehicleEF	LDT1	335.65	328.31
tblVehicleEF	LDT1	73.17	66.77
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.19	0.30
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.22	0.42
tblVehicleEF	LDT1	3.3750e-003	3.2490e-003
tblVehicleEF	LDT1	7.8500e-004	6.6100e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.24	0.46
tblVehicleEF	LDT1	0.01	7.7810e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.39	1.52
tblVehicleEF	LDT1	4.15	2.91
tblVehicleEF	LDT1	319.51	314.19
tblVehicleEF	LDT1	73.17	68.38
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.22	0.35
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003

tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	3.2120e-003	3.1090e-003
tblVehicleEF	LDT1	8.0500e-004	6.7700e-004
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.31	0.58
tblVehicleEF	LDT2	6.0230e-003	4.7180e-003
tblVehicleEF	LDT2	8.2110e-003	0.08
tblVehicleEF	LDT2	0.76	1.01
tblVehicleEF	LDT2	1.71	2.97
tblVehicleEF	LDT2	361.49	342.97
tblVehicleEF	LDT2	82.28	73.48
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.34
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02

tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	3.6200e-003	3.3930e-003
tblVehicleEF	LDT2	8.5200e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.12	0.42
tblVehicleEF	LDT2	6.3890e-003	5.0460e-003
tblVehicleEF	LDT2	7.1110e-003	0.07
tblVehicleEF	LDT2	0.82	1.10
tblVehicleEF	LDT2	1.41	2.44
tblVehicleEF	LDT2	377.11	354.69
tblVehicleEF	LDT2	82.28	72.46
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.13	0.31
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	3.7780e-003	3.5090e-003
tblVehicleEF	LDT2	8.4700e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15

tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	5.9170e-003	4.6060e-003
tblVehicleEF	LDT2	8.8780e-003	0.09
tblVehicleEF	LDT2	0.74	0.99
tblVehicleEF	LDT2	1.90	3.31
tblVehicleEF	LDT2	358.53	340.75
tblVehicleEF	LDT2	82.28	74.13
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.15	0.36
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	3.5910e-003	3.3710e-003
tblVehicleEF	LDT2	8.5500e-004	7.3400e-004
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.13	0.45
tblVehicleEF	LHD1	5.4500e-003	4.8740e-003
tblVehicleEF	LHD1	0.01	7.0360e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	2.80	1.06
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.54
tblVehicleEF	LHD1	30.81	10.72
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.01	1.61
tblVehicleEF	LHD1	1.01	0.31
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
tblVehicleEF	LHD1	3.6100e-004	1.0600e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003

tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4500e-003	4.8890e-003
tblVehicleEF	LHD1	0.01	7.1990e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.08	0.89
tblVehicleEF	LHD1	2.63	1.00
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.57
tblVehicleEF	LHD1	30.81	10.60
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	1.91	1.53
tblVehicleEF	LHD1	0.95	0.29
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9620e-003	6.3090e-003

tblVehicleEF	LHD1	3.5800e-004	1.0500e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.4500e-003	4.8640e-003
tblVehicleEF	LHD1	0.01	6.9320e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.04	0.86
tblVehicleEF	LHD1	2.93	1.11
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.52
tblVehicleEF	LHD1	30.81	10.80
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.00	1.60
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9610e-003	6.3090e-003
tblVehicleEF	LHD1	3.6300e-004	1.0700e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD2	4.2020e-003	3.5550e-003
tblVehicleEF	LHD2	4.9950e-003	4.5140e-003
tblVehicleEF	LHD2	9.9130e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.55
tblVehicleEF	LHD2	1.40	0.68
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.88
tblVehicleEF	LHD2	27.72	8.34
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.38	1.61
tblVehicleEF	LHD2	0.64	0.22
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.3990e-003
tblVehicleEF	LHD2	3.0300e-004	8.3000e-005
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5650e-003
tblVehicleEF	LHD2	5.0750e-003	4.5680e-003
tblVehicleEF	LHD2	9.4460e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.56
tblVehicleEF	LHD2	1.32	0.64
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.89
tblVehicleEF	LHD2	27.72	8.27
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.32	1.54
tblVehicleEF	LHD2	0.60	0.21
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.4000e-003
tblVehicleEF	LHD2	3.0200e-004	8.2000e-005
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5470e-003
tblVehicleEF	LHD2	4.9440e-003	4.4790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.46	0.55
tblVehicleEF	LHD2	1.46	0.71
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.87
tblVehicleEF	LHD2	27.72	8.39

tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.37	1.61
tblVehicleEF	LHD2	0.66	0.23
tblVehicleEF	LHD2	1.2180e-003	1.3600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0830e-003	6.3990e-003
tblVehicleEF	LHD2	3.0400e-004	8.3000e-005
tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.46	0.35
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	20.09	20.37
tblVehicleEF	MCY	9.88	8.73

tblVehicleEF	MCY	173.31	214.04
tblVehicleEF	MCY	47.17	62.39
tblVehicleEF	MCY	1.15	1.15
tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.23	1.96
tblVehicleEF	MCY	2.1330e-003	2.1180e-003
tblVehicleEF	MCY	6.9900e-004	6.1700e-004
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.97	2.99
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.42	2.14
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.75	19.00
tblVehicleEF	MCY	8.78	7.72
tblVehicleEF	MCY	173.31	211.50
tblVehicleEF	MCY	47.17	59.78
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.30	0.25
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003

tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	1.90	1.66
tblVehicleEF	MCY	2.1080e-003	2.0930e-003
tblVehicleEF	MCY	6.7100e-004	5.9200e-004
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.85	2.86
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	0.47	0.36
tblVehicleEF	MCY	0.18	0.28
tblVehicleEF	MCY	21.20	21.51
tblVehicleEF	MCY	10.68	9.48
tblVehicleEF	MCY	173.31	216.12
tblVehicleEF	MCY	47.17	64.29
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	0.33	0.28
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	2.50	2.52

tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.46	2.18
tblVehicleEF	MCY	2.1530e-003	2.1390e-003
tblVehicleEF	MCY	7.1900e-004	6.3600e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	3.06	3.08
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.67	2.37
tblVehicleEF	MDV	0.01	6.3020e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.36	1.23
tblVehicleEF	MDV	3.39	3.65
tblVehicleEF	MDV	492.62	422.92
tblVehicleEF	MDV	110.36	90.44
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.31	0.44
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	4.9360e-003	4.1810e-003
tblVehicleEF	MDV	1.1630e-003	8.9500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.01	6.6830e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.46	1.32
tblVehicleEF	MDV	2.79	2.99
tblVehicleEF	MDV	513.29	435.26
tblVehicleEF	MDV	110.36	89.15
tblVehicleEF	MDV	0.14	0.11
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tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.23	0.44
tblVehicleEF	MDV	5.1440e-003	4.3030e-003
tblVehicleEF	MDV	1.1530e-003	8.8200e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.25	0.48
tblVehicleEF	MDV	0.01	6.1890e-003
tblVehicleEF	MDV	0.02	0.11

tblVehicleEF	MDV	1.35	1.22
tblVehicleEF	MDV	3.76	4.07
tblVehicleEF	MDV	488.70	420.59
tblVehicleEF	MDV	110.36	91.24
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.33	0.46
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MDV	4.8970e-003	4.1580e-003
tblVehicleEF	MDV	1.1700e-003	9.0300e-004
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.31	0.61
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.14	1.61
tblVehicleEF	MH	6.76	2.28
tblVehicleEF	MH	1,096.41	1,520.04
tblVehicleEF	MH	59.77	19.90
tblVehicleEF	MH	1.66	1.55
tblVehicleEF	MH	0.94	0.25

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.39	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1600e-004	1.9700e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.16	0.10
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tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.26	1.67
tblVehicleEF	MH	6.24	2.11
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tblVehicleEF	MH	59.77	19.62
tblVehicleEF	MH	1.55	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003

tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.9400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.07	1.58
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tblVehicleEF	MH	59.77	20.07
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tblVehicleEF	MH	0.99	0.26
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09

tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2100e-004	1.9900e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.44	0.12
tblVehicleEF	MHD	0.02	2.9890e-003
tblVehicleEF	MHD	4.8120e-003	6.5110e-003
tblVehicleEF	MHD	0.06	8.3850e-003
tblVehicleEF	MHD	0.37	0.33
tblVehicleEF	MHD	0.37	0.59
tblVehicleEF	MHD	7.09	1.03
tblVehicleEF	MHD	149.65	72.76
tblVehicleEF	MHD	1,121.50	1,017.66
tblVehicleEF	MHD	56.66	7.96
tblVehicleEF	MHD	0.64	0.64
tblVehicleEF	MHD	1.19	2.35
tblVehicleEF	MHD	11.42	1.22
tblVehicleEF	MHD	1.6840e-003	2.2720e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.6110e-003	2.1730e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	1.4390e-003	6.9000e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9100e-004	7.9000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.46	0.05
tblVehicleEF	MHD	0.02	2.8380e-003
tblVehicleEF	MHD	4.9090e-003	6.5610e-003
tblVehicleEF	MHD	0.06	7.9820e-003
tblVehicleEF	MHD	0.27	0.28
tblVehicleEF	MHD	0.37	0.60
tblVehicleEF	MHD	6.62	0.96
tblVehicleEF	MHD	158.51	74.12
tblVehicleEF	MHD	1,121.50	1,017.67
tblVehicleEF	MHD	56.66	7.84
tblVehicleEF	MHD	0.66	0.65
tblVehicleEF	MHD	1.14	2.24
tblVehicleEF	MHD	11.36	1.21
tblVehicleEF	MHD	1.4200e-003	1.9180e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.3580e-003	1.8350e-003
tblVehicleEF	MHD	7.2450e-003	0.07

tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.5230e-003	7.0300e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.8300e-004	7.8000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.2040e-003
tblVehicleEF	MHD	4.7510e-003	6.4780e-003
tblVehicleEF	MHD	0.06	8.6540e-003
tblVehicleEF	MHD	0.51	0.42
tblVehicleEF	MHD	0.36	0.59
tblVehicleEF	MHD	7.43	1.08
tblVehicleEF	MHD	137.40	70.88
tblVehicleEF	MHD	1,121.50	1,017.65
tblVehicleEF	MHD	56.66	8.04
tblVehicleEF	MHD	0.61	0.63
tblVehicleEF	MHD	1.18	2.33
tblVehicleEF	MHD	11.47	1.22
tblVehicleEF	MHD	2.0490e-003	2.7600e-003
tblVehicleEF	MHD	7.5760e-003	0.07

tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.9600e-003	2.6410e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	1.3240e-003	6.7200e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9700e-004	8.0000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.48	0.05
tblVehicleEF	OBUS	0.01	8.1150e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.26	0.38
tblVehicleEF	OBUS	0.74	1.37
tblVehicleEF	OBUS	6.53	2.90
tblVehicleEF	OBUS	48.78	51.43
tblVehicleEF	OBUS	1,156.72	1,392.17
tblVehicleEF	OBUS	71.68	21.49
tblVehicleEF	OBUS	0.19	0.30
tblVehicleEF	OBUS	1.06	2.09

tblVehicleEF	OBUS	1.79	0.57
tblVehicleEF	OBUS	6.4000e-005	1.2590e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	6.1000e-005	1.2040e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.1000e-004	9.2900e-004
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.06	0.29
tblVehicleEF	OBUS	0.40	0.14
tblVehicleEF	OBUS	4.7800e-004	4.9300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3100e-004	2.1300e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.1000e-004	9.2900e-004
tblVehicleEF	OBUS	0.06	0.16
tblVehicleEF	OBUS	0.06	0.29
tblVehicleEF	OBUS	0.44	0.15
tblVehicleEF	OBUS	0.01	8.1360e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.37
tblVehicleEF	OBUS	0.76	1.40
tblVehicleEF	OBUS	6.06	2.69
tblVehicleEF	OBUS	50.64	51.84
tblVehicleEF	OBUS	1,156.72	1,392.22

tblVehicleEF	OBUS	71.68	21.13
tblVehicleEF	OBUS	0.20	0.30
tblVehicleEF	OBUS	1.00	1.97
tblVehicleEF	OBUS	1.73	0.56
tblVehicleEF	OBUS	5.4000e-005	1.0630e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	5.2000e-005	1.0170e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.8770e-003	2.4600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	1.2040e-003	1.5610e-003
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.06	0.28
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2300e-004	2.0900e-004
tblVehicleEF	OBUS	1.8770e-003	2.4600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	1.2040e-003	1.5610e-003
tblVehicleEF	OBUS	0.06	0.16
tblVehicleEF	OBUS	0.06	0.28
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	8.1040e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.40
tblVehicleEF	OBUS	0.73	1.35
tblVehicleEF	OBUS	6.82	3.02

tblVehicleEF	OBUS	46.22	50.86
tblVehicleEF	OBUS	1,156.72	1,392.14
tblVehicleEF	OBUS	71.68	21.70
tblVehicleEF	OBUS	0.18	0.30
tblVehicleEF	OBUS	1.06	2.08
tblVehicleEF	OBUS	1.84	0.58
tblVehicleEF	OBUS	7.8000e-005	1.5290e-003
tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	7.4000e-005	1.4630e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	8.9900e-004	1.1940e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	5.0000e-004	6.5500e-004
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.07	0.31
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	4.5400e-004	4.8700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.3600e-004	2.1500e-004
tblVehicleEF	OBUS	8.9900e-004	1.1940e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	5.0000e-004	6.5500e-004
tblVehicleEF	OBUS	0.06	0.16
tblVehicleEF	OBUS	0.07	0.31
tblVehicleEF	OBUS	0.46	0.15
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	5.2090e-003

tblVehicleEF	SBUS	8.46	1.82
tblVehicleEF	SBUS	0.78	1.33
tblVehicleEF	SBUS	8.43	0.84
tblVehicleEF	SBUS	1,117.55	349.50
tblVehicleEF	SBUS	1,085.75	1,193.08
tblVehicleEF	SBUS	55.21	3.87
tblVehicleEF	SBUS	9.72	3.86
tblVehicleEF	SBUS	4.61	7.02
tblVehicleEF	SBUS	12.05	0.47
tblVehicleEF	SBUS	0.01	5.9250e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	0.01	5.6690e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	3.1930e-003	1.3240e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.03	0.21
tblVehicleEF	SBUS	1.4900e-003	5.8100e-004
tblVehicleEF	SBUS	0.11	0.17
tblVehicleEF	SBUS	0.02	0.14
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.01	3.3230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	3.8000e-005
tblVehicleEF	SBUS	3.1930e-003	1.3240e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.48	0.30
tblVehicleEF	SBUS	1.4900e-003	5.8100e-004
tblVehicleEF	SBUS	0.13	0.21

tblVehicleEF	SBUS	0.02	0.14
tblVehicleEF	SBUS	0.46	0.03
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	4.5170e-003
tblVehicleEF	SBUS	8.34	1.77
tblVehicleEF	SBUS	0.79	1.36
tblVehicleEF	SBUS	6.56	0.65
tblVehicleEF	SBUS	1,167.77	362.69
tblVehicleEF	SBUS	1,085.75	1,193.13
tblVehicleEF	SBUS	55.21	3.56
tblVehicleEF	SBUS	10.03	3.97
tblVehicleEF	SBUS	4.41	6.71
tblVehicleEF	SBUS	12.01	0.46
tblVehicleEF	SBUS	8.8730e-003	5.0020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	8.4900e-003	4.7850e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	4.8770e-003	1.9990e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.02	0.21
tblVehicleEF	SBUS	2.5980e-003	9.8700e-004
tblVehicleEF	SBUS	0.11	0.18
tblVehicleEF	SBUS	0.02	0.12
tblVehicleEF	SBUS	0.36	0.03
tblVehicleEF	SBUS	0.01	3.4470e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6600e-004	3.5000e-005

tblVehicleEF	SBUS	4.8770e-003	1.9990e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.48	0.30
tblVehicleEF	SBUS	2.5980e-003	9.8700e-004
tblVehicleEF	SBUS	0.14	0.21
tblVehicleEF	SBUS	0.02	0.12
tblVehicleEF	SBUS	0.40	0.03
tblVehicleEF	SBUS	0.88	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.07	5.5820e-003
tblVehicleEF	SBUS	8.63	1.90
tblVehicleEF	SBUS	0.77	1.31
tblVehicleEF	SBUS	9.46	0.94
tblVehicleEF	SBUS	1,048.20	331.27
tblVehicleEF	SBUS	1,085.75	1,193.05
tblVehicleEF	SBUS	55.21	4.04
tblVehicleEF	SBUS	9.29	3.70
tblVehicleEF	SBUS	4.59	6.99
tblVehicleEF	SBUS	12.08	0.47
tblVehicleEF	SBUS	0.01	7.2000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	1.0510e-003	6.4000e-005
tblVehicleEF	SBUS	0.01	6.8890e-003
tblVehicleEF	SBUS	2.6760e-003	2.7780e-003
tblVehicleEF	SBUS	0.02	0.05
tblVehicleEF	SBUS	9.6600e-004	5.9000e-005
tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	1.03	0.21
tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
tblVehicleEF	SBUS	0.11	0.17

tblVehicleEF	SBUS	0.03	0.17
tblVehicleEF	SBUS	0.45	0.03
tblVehicleEF	SBUS	0.01	3.1500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.1400e-004	4.0000e-005
tblVehicleEF	SBUS	2.2710e-003	9.4200e-004
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	1.49	0.30
tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
tblVehicleEF	SBUS	0.13	0.21
tblVehicleEF	SBUS	0.03	0.17
tblVehicleEF	SBUS	0.49	0.04
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.06	21.79
tblVehicleEF	UBUS	10.15	1.73
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.69
tblVehicleEF	UBUS	4.20	0.43
tblVehicleEF	UBUS	13.57	0.19
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	0.40	0.05

tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.74	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4320e-003	1.9500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.81	0.11
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.09	21.79
tblVehicleEF	UBUS	8.57	1.46
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.25
tblVehicleEF	UBUS	4.00	0.42
tblVehicleEF	UBUS	13.50	0.18
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.67	0.09

tblVehicleEF	UBUS	8.3990e-003	5.8660e-003
tblVehicleEF	UBUS	1.4050e-003	1.9000e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.73	0.10
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.04	21.79
tblVehicleEF	UBUS	11.20	1.90
tblVehicleEF	UBUS	1,824.90	1,604.22
tblVehicleEF	UBUS	125.02	19.99
tblVehicleEF	UBUS	4.18	0.43
tblVehicleEF	UBUS	13.63	0.20
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.79	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4500e-003	1.9800e-004

tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	2.49	2.91
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.86	0.11
tblVehicleTrips	ST_TR	8.96	31.16
tblVehicleTrips	SU_TR	1.55	31.16
tblVehicleTrips	WD_TR	36.13	31.16

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.2327	29.0083	17.3383	0.0729	15.2010	1.1154	15.8831	2.4643	1.0263	3.1299	0.0000	7,678.1027	7,678.1027	1.0633	0.0000	7,699.5991
2021	12.3496	18.2208	12.3199	0.0345	0.9325	0.6279	1.5440	0.2520	0.5780	0.8257	0.0000	3,442.7824	3,442.7824	0.7258	0.0000	3,460.9260
Maximum	**12.3496**	**29.0083**	**17.3383**	**0.0729**	**15.2010**	**1.1154**	**15.8831**	**2.4643**	**1.0263**	**3.1299**	**0.0000**	**7,678.1027**	**7,678.1027**	**1.0633**	**0.0000**	**7,699.5991**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2020	0.9789	20.4482	19.2763	0.0729	6.4728	0.1098	6.5826	1.1426	0.1063	1.2488	0.0000	7,678.1027	7,678.1027	1.0633	0.0000	7,699.5991
2021	11.8366	4.7494	15.4691	0.0345	0.9325	0.0294	0.9619	0.2520	0.0287	0.2807	0.0000	3,442.7824	3,442.7824	0.7258	0.0000	3,460.9260
Maximum	**11.8366**	**20.4482**	**19.2763**	**0.0729**	**6.4728**	**0.1098**	**6.5826**	**1.1426**	**0.1063**	**1.2488**	**0.0000**	**7,678.1027**	**7,678.1027**	**1.0633**	**0.0000**	**7,699.5991**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**12.12**	**46.65**	**-17.15**	**0.00**	**54.10**	**92.02**	**56.71**	**48.66**	**91.59**	**61.33**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Energy	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214
Mobile	4.0474	5.9787	27.7858	0.0664	6.5232	0.0903	6.6136	1.7408	0.0851	1.8259		6,794.6999	6,794.6999	0.4298		6,805.4458
Total	**5.5424**	**6.1033**	**27.9301**	**0.0671**	**6.5232**	**0.0999**	**6.6231**	**1.7408**	**0.0947**	**1.8355**		**6,943.8210**	**6,943.8210**	**0.4329**	**2.7300e-003**	**6,955.4582**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Energy	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515

Mobile	4.0474	5.9787	27.7858	0.0664	6.5232	0.0903	6.6136	1.7408	0.0851	1.8259		6,794.6999	6,794.6999	0.4298		6,805.4458
Total	**5.5386**	**6.0683**	**27.9006**	**0.0669**	**6.5232**	**0.0972**	**6.6205**	**1.7408**	**0.0920**	**1.8328**		**6,901.8007**	**6,901.8007**	**0.4321**	**1.9600e-003**	**6,913.1882**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**0.57**	**0.11**	**0.31**	**0.00**	**2.66**	**0.04**	**0.00**	**2.81**	**0.14**	**0.00**	**0.61**	**0.61**	**0.19**	**28.21**	**0.61**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	10/18/2020	5	45	
2	Grading	Grading	10/19/2020	11/20/2020	5	25	
3	Building Construction	Building Construction	11/21/2020	8/22/2021	5	195	
4	Paving	Paving	11/21/2020	1/24/2021	5	45	
5	Architectural Coating	Architectural Coating	7/5/2021	9/5/2021	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 25

Acres of Paving: 6.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,884; Non-Residential Outdoor: 25,295; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41

Grading	Surfacing Equipment	1	8.00	263	0.30
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Paving	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	15.00	0.00	2,848.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Grading	6	18.00	0.00	84.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	73.00	31.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					13.8653	0.0000	13.8653	2.0997	0.0000	2.0997			0.0000			0.0000
Off-Road	1.2962	10.5728	12.6967	0.0205		0.6019	0.6019		0.5889	0.5889		1,957.4819	1,957.4819	0.3131		1,965.3105
Total	**1.2962**	**10.5728**	**12.6967**	**0.0205**	**13.8653**	**0.6019**	**14.4672**	**2.0997**	**0.5889**	**2.6885**		**1,957.4819**	**1,957.4819**	**0.3131**		**1,965.3105**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5038	18.3969	4.2368	0.0513	1.2125	0.0793	1.2918	0.3320	0.0759	0.4078		5,607.3144	5,607.3144	0.5436		5,620.9054
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0621	0.0386	0.4048	1.1400e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		113.3064	113.3064	3.0700e-003		113.3832
Total	**0.5659**	**18.4355**	**4.6416**	**0.0524**	**1.3357**	**0.0802**	**1.4159**	**0.3646**	**0.0767**	**0.4413**		**5,720.6208**	**5,720.6208**	**0.5467**		**5,734.2886**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1371	0.0000	5.1371	0.7779	0.0000	0.7779			0.0000			0.0000
Off-Road	0.2472	2.0127	13.6726	0.0205		0.0296	0.0296		0.0296	0.0296	0.0000	1,957.4819	1,957.4819	0.3131		1,965.3105
Total	**0.2472**	**2.0127**	**13.6726**	**0.0205**	**5.1371**	**0.0296**	**5.1667**	**0.7779**	**0.0296**	**0.8075**	**0.0000**	**1,957.4819**	**1,957.4819**	**0.3131**		**1,965.3105**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5038	18.3969	4.2368	0.0513	1.2125	0.0793	1.2918	0.3320	0.0759	0.4078		5,607.3144	5,607.3144	0.5436		5,620.9054
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0621	0.0386	0.4048	1.1400e-003	0.1232	8.7000e-004	0.1241	0.0327	8.0000e-004	0.0335		113.3064	113.3064	3.0700e-003		113.3832
Total	**0.5659**	**18.4355**	**4.6416**	**0.0524**	**1.3357**	**0.0802**	**1.4159**	**0.3646**	**0.0767**	**0.4413**		**5,720.6208**	**5,720.6208**	**0.5467**		**5,734.2886**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0653	0.0000	1.0653	0.1152	0.0000	0.1152			0.0000			0.0000
Off-Road	2.1314	24.6446	14.1946	0.0329		1.1101	1.1101		1.0213	1.0213		3,187.1109	3,187.1109	1.0308		3,212.8803
Total	**2.1314**	**24.6446**	**14.1946**	**0.0329**	**1.0653**	**1.1101**	**2.1754**	**0.1152**	**1.0213**	**1.1366**		**3,187.1109**	**3,187.1109**	**1.0308**		**3,212.8803**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day					
Hauling	0.0267	0.9767	0.2249	2.7200e-003	0.0644	4.2100e-003	0.0686	0.0176	4.0300e-003	0.0217		297.6917	297.6917	0.0289		298.4132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0746	0.0463	0.4857	1.3700e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		135.9677	135.9677	3.6900e-003		136.0598
Total	**0.1013**	**1.0230**	**0.7106**	**4.0900e-003**	**0.2122**	**5.2500e-003**	**0.2175**	**0.0568**	**4.9900e-003**	**0.0618**		**433.6594**	**433.6594**	**0.0326**		**434.4731**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3947	0.0000	0.3947	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	-0.1107	-4.0716	18.5657	0.0329		-0.3303	-0.3303		-0.2984	-0.2984	0.0000	3,187.1109	3,187.1109	1.0308		3,212.8803
Total	**-0.1107**	**-4.0716**	**18.5657**	**0.0329**	**0.3947**	**-0.3303**	**0.0644**	**0.0427**	**-0.2984**	**-0.2557**	**0.0000**	**3,187.1109**	**3,187.1109**	**1.0308**		**3,212.8803**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0267	0.9767	0.2249	2.7200e-003	0.0644	4.2100e-003	0.0686	0.0176	4.0300e-003	0.0217		297.6917	297.6917	0.0289		298.4132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0746	0.0463	0.4857	1.3700e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		135.9677	135.9677	3.6900e-003		136.0598

Total	**0.1013**	**1.0230**	**0.7106**	**4.0900e-003**	**0.2122**	**5.2500e-003**	**0.2175**	**0.0568**	**4.9900e-003**	**0.0618**		**433.6594**	**433.6594**	**0.0326**		**434.4731**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4766	5.7800	3.2410	7.1100e-003		0.2405	0.2405		0.2212	0.2212		689.1097	689.1097	0.2229		694.6815
Total	**0.4766**	**5.7800**	**3.2410**	**7.1100e-003**		**0.2405**	**0.2405**		**0.2212**	**0.2212**		**689.1097**	**689.1097**	**0.2229**		**694.6815**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1098	3.3247	0.9571	7.8100e-003	0.2095	0.0204	0.2300	0.0603	0.0195	0.0798		838.9052	838.9052	0.0726		840.7200
Worker	0.3024	0.1878	1.9698	5.5400e-003	0.5997	4.2300e-003	0.6039	0.1591	3.9000e-003	0.1630		551.4245	551.4245	0.0149		551.7981
Total	**0.4122**	**3.5125**	**2.9269**	**0.0134**	**0.8092**	**0.0247**	**0.8339**	**0.2194**	**0.0234**	**0.2428**		**1,390.3297**	**1,390.3297**	**0.0875**		**1,392.5182**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1129	1.4310	3.8438	7.1100e-003		0.0117	0.0117		0.0117	0.0117	0.0000	689.1097	689.1097	0.2229		694.6815
Total	**0.1129**	**1.4310**	**3.8438**	**7.1100e-003**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**689.1097**	**689.1097**	**0.2229**		**694.6815**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1098	3.3247	0.9571	7.8100e-003	0.2095	0.0204	0.2300	0.0603	0.0195	0.0798		838.9052	838.9052	0.0726		840.7200
Worker	0.3024	0.1878	1.9698	5.5400e-003	0.5997	4.2300e-003	0.6039	0.1591	3.9000e-003	0.1630		551.4245	551.4245	0.0149		551.7981
Total	**0.4122**	**3.5125**	**2.9269**	**0.0134**	**0.8092**	**0.0247**	**0.8339**	**0.2194**	**0.0234**	**0.2428**		**1,390.3297**	**1,390.3297**	**0.0875**		**1,392.5182**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4368	5.2467	3.1249	7.1200e-003		0.2131	0.2131		0.1961	0.1961		689.0948	689.0948	0.2229		694.6665
Total	**0.4368**	**5.2467**	**3.1249**	**7.1200e-003**		**0.2131**	**0.2131**		**0.1961**	**0.1961**		**689.0948**	**689.0948**	**0.2229**		**694.6665**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0926	2.9857	0.8667	7.7500e-003	0.2096	8.7900e-003	0.2184	0.0603	8.4100e-003	0.0687		833.3528	833.3528	0.0696		835.0921
Worker	0.2836	0.1692	1.8159	5.3700e-003	0.5997	4.1600e-003	0.6038	0.1591	3.8300e-003	0.1629		534.8575	534.8575	0.0136		535.1974
Total	**0.3762**	**3.1549**	**2.6826**	**0.0131**	**0.8092**	**0.0130**	**0.8222**	**0.2194**	**0.0122**	**0.2316**		**1,368.2103**	**1,368.2103**	**0.0832**		**1,370.2895**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1129	1.4310	3.8438	7.1200e-003		0.0117	0.0117		0.0117	0.0117	0.0000	689.0948	689.0948	0.2229		694.6665
Total	**0.1129**	**1.4310**	**3.8438**	**7.1200e-003**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**689.0948**	**689.0948**	**0.2229**		**694.6665**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0926	2.9857	0.8667	7.7500e-003	0.2096	8.7900e-003	0.2184	0.0603	8.4100e-003	0.0687		833.3528	833.3528	0.0696		835.0921
Worker	0.2836	0.1692	1.8159	5.3700e-003	0.5997	4.1600e-003	0.6038	0.1591	3.8300e-003	0.1629		534.8575	534.8575	0.0136		535.1974
Total	**0.3762**	**3.1549**	**2.6826**	**0.0131**	**0.8092**	**0.0130**	**0.8222**	**0.2194**	**0.0122**	**0.2316**		**1,368.2103**	**1,368.2103**	**0.0832**		**1,370.2895**

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8914	10.5480	6.2422	0.0133		0.4420	0.4420		0.4067	0.4067		1,291.3133	1,291.3133	0.4176		1,301.7542
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2850**	**10.5480**	**6.2422**	**0.0133**		**0.4420**	**0.4420**		**0.4067**	**0.4067**		**1,291.3133**	**1,291.3133**	**0.4176**		**1,301.7542**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.0538**	**0.0335**	**0.3508**	**9.9000e-004**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**98.1989**	**98.1989**	**2.6600e-003**		**98.2654**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.4200e-003	-1.2146	8.6263	0.0133		-0.0786	-0.0786		-0.0700	-0.0700	0.0000	1,291.3133	1,291.3133	0.4176		1,301.7542
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4000**	**-1.2146**	**8.6263**	**0.0133**		**-0.0786**	**-0.0786**		**-0.0700**	**-0.0700**	**0.0000**	**1,291.3133**	**1,291.3133**	**0.4176**		**1,301.7542**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0335	0.3508	9.9000e-004	0.1068	7.5000e-004	0.1076	0.0283	6.9000e-004	0.0290		98.1989	98.1989	2.6600e-003		98.2654
Total	**0.0538**	**0.0335**	**0.3508**	**9.9000e-004**	**0.1068**	**7.5000e-004**	**0.1076**	**0.0283**	**6.9000e-004**	**0.0290**		**98.1989**	**98.1989**	**2.6600e-003**		**98.2654**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8345	9.7891	6.1890	0.0133		0.4012	0.4012		0.3691	0.3691		1,290.2287	1,290.2287	0.4173		1,300.6609
Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2281**	**9.7891**	**6.1890**	**0.0133**		**0.4012**	**0.4012**		**0.3691**	**0.3691**		**1,290.2287**	**1,290.2287**	**0.4173**		**1,300.6609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0505	0.0301	0.3234	9.6000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		95.2486	95.2486	2.4200e-003		95.3091
Total	**0.0505**	**0.0301**	**0.3234**	**9.6000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**95.2486**	**95.2486**	**2.4200e-003**		**95.3091**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0218	-1.0135	8.6193	0.0133		-0.0673	-0.0673		-0.0596	-0.0596	0.0000	1,290.2287	1,290.2287	0.4173		1,300.6609

Paving	0.3936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4154**	**-1.0135**	**8.6193**	**0.0133**		**-0.0673**	**-0.0673**		**-0.0596**	**-0.0596**	**0.0000**	**1,290.2287**	**1,290.2287**	**0.4173**		**1,300.6609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0505	0.0301	0.3234	9.6000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		95.2486	95.2486	2.4200e-003		95.3091
Total	**0.0505**	**0.0301**	**0.3234**	**9.6000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**95.2486**	**95.2486**	**2.4200e-003**		**95.3091**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**11.4783**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0348	0.3731	1.1000e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		109.9022	109.9022	2.7900e-003		109.9721
Total	**0.0583**	**0.0348**	**0.3731**	**1.1000e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**109.9022**	**109.9022**	**2.7900e-003**		**109.9721**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**11.2892**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0348	0.3731	1.1000e-003	0.1232	8.5000e-004	0.1241	0.0327	7.9000e-004	0.0335		109.9022	109.9022	2.7900e-003		109.9721
Total	**0.0583**	**0.0348**	**0.3731**	**1.1000e-003**	**0.1232**	**8.5000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**109.9022**	**109.9022**	**2.7900e-003**		**109.9721**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.0474	5.9787	27.7858	0.0664	6.5232	0.0903	6.6136	1.7408	0.0851	1.8259		6,794.6999	6,794.6999	0.4298		6,805.4458
Unmitigated	4.0474	5.9787	27.7858	0.0664	6.5232	0.0903	6.6136	1.7408	0.0851	1.8259		6,794.6999	6,794.6999	0.4298		6,805.4458

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	1,576.38	1,576.38	1576.38	3,085,378	3,085,378
Parking Lot	0.00	0.00	0.00		
Total	1,576.38	1,576.38	1,576.38	3,085,378	3,085,378

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Parking Lot	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
NaturalGas Unmitigated	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	1266.8	0.0137	0.1242	0.1043	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0358	149.0358	2.8600e-003	2.7300e-003	149.9214

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0137**	**0.1242**	**0.1043**	**7.5000e-004**		**9.4400e-003**	**9.4400e-003**		**9.4400e-003**	**9.4400e-003**		**149.0358**	**149.0358**	**2.8600e-003**	**2.7300e-003**	**149.9214**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	0.909632	9.8100e-003	0.0892	0.0749	5.4000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003		107.0155	107.0155	2.0500e-003	1.9600e-003	107.6515
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**9.8100e-003**	**0.0892**	**0.0749**	**5.4000e-004**		**6.7800e-003**	**6.7800e-003**		**6.7800e-003**	**6.7800e-003**		**107.0155**	**107.0155**	**2.0500e-003**	**1.9600e-003**	**107.6515**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Unmitigated	1.4814	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3470					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7300e-003	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Total	**1.4814**	**3.7000e-004**	**0.0399**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0853**	**0.0853**	**2.3000e-004**		**0.0909**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3470					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7300e-003	3.7000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0853	0.0853	2.3000e-004		0.0909
Total	**1.4814**	**3.7000e-004**	**0.0399**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0853**	**0.0853**	**2.3000e-004**		**0.0909**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VA Medical Facility Mitigated - Ventura County APCD Air District, Annual

VA Medical Facility Mitigated

Ventura County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.59	1000sqft	1.23	50,589.00	0
Parking Lot	339.00	Space	6.76	135,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	31
Climate Zone	8			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - total area is 7.99 acres

Construction Phase - construction phase provided by project applicant

Off-road Equipment -

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Off-road Equipment - provided by project applicant

Trips and VMT - grading phase hauling distance provided by project applicant

Demolition -

Grading -

Architectural Coating - mitigation measure low VOC painting

Vehicle Trips - account for existing trip credits

Energy Use -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55; mitigation measure Tier 4 engine

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	230.00	195.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	20.00	45.00
tblGrading	MaterialImported	0.00	850.00
tblLandUse	LandUseSquareFeet	50,590.00	50,589.00
tblLandUse	LotAcreage	1.16	1.23
tblLandUse	LotAcreage	3.05	6.76
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripLength	20.00	22.00
tblTripsAndVMT	HaulingTripNumber	106.00	84.00
tblTripsAndVMT	WorkerTripNumber	10.00	15.00
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	8.00	13.00
tblVehicleEF	HHD	0.80	0.03

tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.61	5.61
tblVehicleEF	HHD	1.05	0.68
tblVehicleEF	HHD	3.25	4.6410e-003
tblVehicleEF	HHD	4,218.47	1,081.28
tblVehicleEF	HHD	1,622.84	1,475.02
tblVehicleEF	HHD	10.18	0.06
tblVehicleEF	HHD	20.73	6.08
tblVehicleEF	HHD	3.69	3.84
tblVehicleEF	HHD	19.60	2.03
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.04	9.6180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	7.6000e-005	6.0000e-006
tblVehicleEF	HHD	4.5850e-003	2.9300e-004
tblVehicleEF	HHD	0.66	0.43
tblVehicleEF	HHD	6.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.12	0.11
tblVehicleEF	HHD	4.8000e-004	1.9440e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5500e-004	1.0000e-006
tblVehicleEF	HHD	7.6000e-005	6.0000e-006

tblVehicleEF	HHD	4.5850e-003	2.9300e-004
tblVehicleEF	HHD	0.78	0.50
tblVehicleEF	HHD	6.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	4.8000e-004	1.9440e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.76	0.03
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.90	5.48
tblVehicleEF	HHD	1.06	0.68
tblVehicleEF	HHD	3.04	4.3330e-003
tblVehicleEF	HHD	4,467.26	1,079.03
tblVehicleEF	HHD	1,622.84	1,475.02
tblVehicleEF	HHD	10.18	0.06
tblVehicleEF	HHD	21.39	5.93
tblVehicleEF	HHD	3.53	3.68
tblVehicleEF	HHD	19.59	2.03
tblVehicleEF	HHD	0.03	9.2220e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.03	8.8230e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	1.1900e-004	1.0000e-005
tblVehicleEF	HHD	4.6950e-003	2.9700e-004
tblVehicleEF	HHD	0.63	0.45
tblVehicleEF	HHD	1.0600e-004	8.0000e-006

tblVehicleEF	HHD	0.12	0.11
tblVehicleEF	HHD	4.5900e-004	1.9160e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5200e-004	1.0000e-006
tblVehicleEF	HHD	1.1900e-004	1.0000e-005
tblVehicleEF	HHD	4.6950e-003	2.9700e-004
tblVehicleEF	HHD	0.74	0.52
tblVehicleEF	HHD	1.0600e-004	8.0000e-006
tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	4.5900e-004	1.9160e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.86	0.03
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.09	1.0000e-006
tblVehicleEF	HHD	3.59	5.81
tblVehicleEF	HHD	1.05	0.68
tblVehicleEF	HHD	3.41	4.8610e-003
tblVehicleEF	HHD	3,874.91	1,084.38
tblVehicleEF	HHD	1,622.84	1,475.02
tblVehicleEF	HHD	10.18	0.06
tblVehicleEF	HHD	19.81	6.29
tblVehicleEF	HHD	3.66	3.82
tblVehicleEF	HHD	19.61	2.03
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.02	0.06
tblVehicleEF	HHD	8.3000e-005	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.7030e-003	8.7940e-003
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	7.7000e-005	2.0000e-006
tblVehicleEF	HHD	5.3000e-005	4.0000e-006
tblVehicleEF	HHD	4.7890e-003	3.3700e-004
tblVehicleEF	HHD	0.71	0.41
tblVehicleEF	HHD	4.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.12	0.11
tblVehicleEF	HHD	5.3400e-004	2.0820e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5800e-004	1.0000e-006
tblVehicleEF	HHD	5.3000e-005	4.0000e-006
tblVehicleEF	HHD	4.7890e-003	3.3700e-004
tblVehicleEF	HHD	0.84	0.47
tblVehicleEF	HHD	4.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.21
tblVehicleEF	HHD	5.3400e-004	2.0820e-003
tblVehicleEF	HHD	0.10	3.0000e-006
tblVehicleEF	LDA	4.6550e-003	2.8470e-003
tblVehicleEF	LDA	6.3670e-003	0.06
tblVehicleEF	LDA	0.60	0.69
tblVehicleEF	LDA	1.32	2.31
tblVehicleEF	LDA	260.42	264.18
tblVehicleEF	LDA	58.89	55.48
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.21
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	2.6080e-003	2.6130e-003
tblVehicleEF	LDA	6.1100e-004	5.4900e-004
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.29
tblVehicleEF	LDA	4.9350e-003	3.0560e-003
tblVehicleEF	LDA	5.5050e-003	0.05
tblVehicleEF	LDA	0.66	0.76
tblVehicleEF	LDA	1.08	1.89
tblVehicleEF	LDA	271.93	275.59
tblVehicleEF	LDA	58.89	54.70
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.23

tblVehicleEF	LDA	2.7240e-003	2.7260e-003
tblVehicleEF	LDA	6.0700e-004	5.4100e-004
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	4.5780e-003	2.7750e-003
tblVehicleEF	LDA	6.8930e-003	0.06
tblVehicleEF	LDA	0.59	0.68
tblVehicleEF	LDA	1.47	2.57
tblVehicleEF	LDA	258.24	262.02
tblVehicleEF	LDA	58.89	55.97
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.09	0.22
tblVehicleEF	LDA	1.9330e-003	1.6650e-003
tblVehicleEF	LDA	2.3620e-003	1.9820e-003
tblVehicleEF	LDA	1.7830e-003	1.5350e-003
tblVehicleEF	LDA	2.1720e-003	1.8220e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.09	0.29
tblVehicleEF	LDA	2.5860e-003	2.5920e-003
tblVehicleEF	LDA	6.1400e-004	5.5400e-004
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	0.10	0.32
tblVehicleEF	LDT1	0.01	7.9510e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.40	1.54
tblVehicleEF	LDT1	3.72	2.61
tblVehicleEF	LDT1	322.08	316.43
tblVehicleEF	LDT1	73.17	67.76
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.21	0.33
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.26	0.48
tblVehicleEF	LDT1	3.2380e-003	3.1310e-003
tblVehicleEF	LDT1	7.9700e-004	6.7100e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.32	0.26
tblVehicleEF	LDT1	0.11	0.12
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.21	0.93
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	0.01	8.4580e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.51	1.66
tblVehicleEF	LDT1	3.04	2.13

tblVehicleEF	LDT1	335.65	328.31
tblVehicleEF	LDT1	73.17	66.77
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.19	0.30
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003
tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.22	0.42
tblVehicleEF	LDT1	3.3750e-003	3.2490e-003
tblVehicleEF	LDT1	7.8500e-004	6.6100e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.34	0.28
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.84
tblVehicleEF	LDT1	0.24	0.46
tblVehicleEF	LDT1	0.01	7.7810e-003
tblVehicleEF	LDT1	0.02	0.10
tblVehicleEF	LDT1	1.39	1.52
tblVehicleEF	LDT1	4.15	2.91
tblVehicleEF	LDT1	319.51	314.19
tblVehicleEF	LDT1	73.17	68.38
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.22	0.35
tblVehicleEF	LDT1	2.8280e-003	2.5300e-003
tblVehicleEF	LDT1	3.7220e-003	2.9800e-003

tblVehicleEF	LDT1	2.6040e-003	2.3300e-003
tblVehicleEF	LDT1	3.4230e-003	2.7400e-003
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.28	0.53
tblVehicleEF	LDT1	3.2120e-003	3.1090e-003
tblVehicleEF	LDT1	8.0500e-004	6.7700e-004
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.26	1.15
tblVehicleEF	LDT1	0.31	0.58
tblVehicleEF	LDT2	6.0230e-003	4.7180e-003
tblVehicleEF	LDT2	8.2110e-003	0.08
tblVehicleEF	LDT2	0.76	1.01
tblVehicleEF	LDT2	1.71	2.97
tblVehicleEF	LDT2	361.49	342.97
tblVehicleEF	LDT2	82.28	73.48
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.34
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02

tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.11	0.38
tblVehicleEF	LDT2	3.6200e-003	3.3930e-003
tblVehicleEF	LDT2	8.5200e-004	7.2700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.49
tblVehicleEF	LDT2	0.12	0.42
tblVehicleEF	LDT2	6.3890e-003	5.0460e-003
tblVehicleEF	LDT2	7.1110e-003	0.07
tblVehicleEF	LDT2	0.82	1.10
tblVehicleEF	LDT2	1.41	2.44
tblVehicleEF	LDT2	377.11	354.69
tblVehicleEF	LDT2	82.28	72.46
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.13	0.31
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.33
tblVehicleEF	LDT2	3.7780e-003	3.5090e-003
tblVehicleEF	LDT2	8.4700e-004	7.1700e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.12	0.15

tblVehicleEF	LDT2	0.08	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.45
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	5.9170e-003	4.6060e-003
tblVehicleEF	LDT2	8.8780e-003	0.09
tblVehicleEF	LDT2	0.74	0.99
tblVehicleEF	LDT2	1.90	3.31
tblVehicleEF	LDT2	358.53	340.75
tblVehicleEF	LDT2	82.28	74.13
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.15	0.36
tblVehicleEF	LDT2	1.7980e-003	1.6590e-003
tblVehicleEF	LDT2	2.2890e-003	1.9250e-003
tblVehicleEF	LDT2	1.6540e-003	1.5270e-003
tblVehicleEF	LDT2	2.1050e-003	1.7710e-003
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.12	0.41
tblVehicleEF	LDT2	3.5910e-003	3.3710e-003
tblVehicleEF	LDT2	8.5500e-004	7.3400e-004
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.60
tblVehicleEF	LDT2	0.13	0.45
tblVehicleEF	LHD1	5.4500e-003	4.8740e-003
tblVehicleEF	LHD1	0.01	7.0360e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	2.80	1.06
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.54
tblVehicleEF	LHD1	30.81	10.72
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.01	1.61
tblVehicleEF	LHD1	1.01	0.31
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
tblVehicleEF	LHD1	9.2800e-004	9.3300e-004
tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9620e-003	6.3090e-003
tblVehicleEF	LHD1	3.6100e-004	1.0600e-004
tblVehicleEF	LHD1	2.4650e-003	2.1460e-003
tblVehicleEF	LHD1	0.10	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6010e-003	1.3750e-003

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tblVehicleEF	LHD1	0.33	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4500e-003	4.8890e-003
tblVehicleEF	LHD1	0.01	7.1990e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.08	0.89
tblVehicleEF	LHD1	2.63	1.00
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.57
tblVehicleEF	LHD1	30.81	10.60
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	1.91	1.53
tblVehicleEF	LHD1	0.95	0.29
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
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tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
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tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
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tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
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tblVehicleEF	LHD1	0.31	0.59
tblVehicleEF	LHD1	0.27	0.08
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tblVehicleEF	LHD1	3.8560e-003	3.3700e-003
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tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6930e-003	2.3280e-003
tblVehicleEF	LHD1	0.11	0.09
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tblVehicleEF	LHD1	0.01	6.9320e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.04	0.86
tblVehicleEF	LHD1	2.93	1.11
tblVehicleEF	LHD1	9.23	9.45
tblVehicleEF	LHD1	607.55	648.52
tblVehicleEF	LHD1	30.81	10.80
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.00	1.60
tblVehicleEF	LHD1	1.05	0.33
tblVehicleEF	LHD1	9.7000e-004	9.7500e-004
tblVehicleEF	LHD1	0.01	0.01
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tblVehicleEF	LHD1	9.9400e-004	2.7100e-004
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tblVehicleEF	LHD1	2.5330e-003	2.5030e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.1400e-004	2.4900e-004
tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	5.9610e-003	6.3090e-003
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tblVehicleEF	LHD1	1.6870e-003	1.4610e-003
tblVehicleEF	LHD1	0.12	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.1120e-003	9.5100e-004
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.36	0.69
tblVehicleEF	LHD1	0.32	0.09
tblVehicleEF	LHD2	4.2020e-003	3.5550e-003
tblVehicleEF	LHD2	4.9950e-003	4.5140e-003
tblVehicleEF	LHD2	9.9130e-003	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.47	0.55
tblVehicleEF	LHD2	1.40	0.68
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.88
tblVehicleEF	LHD2	27.72	8.34
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.38	1.61
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tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
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tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.06	0.07
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tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.3990e-003
tblVehicleEF	LHD2	3.0300e-004	8.3000e-005
tblVehicleEF	LHD2	9.7100e-004	1.1240e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.9400e-004	7.5200e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.15	0.06
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.09	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0840e-003	6.4000e-003
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tblVehicleEF	LHD2	1.5090e-003	1.7540e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1560e-003	1.2630e-003
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tblVehicleEF	LHD2	0.14	0.06
tblVehicleEF	LHD2	4.2020e-003	3.5470e-003
tblVehicleEF	LHD2	4.9440e-003	4.4790e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.46	0.55
tblVehicleEF	LHD2	1.46	0.71
tblVehicleEF	LHD2	13.93	14.48
tblVehicleEF	LHD2	624.25	662.87
tblVehicleEF	LHD2	27.72	8.39

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tblVehicleEF	LHD2	1.37	1.61
tblVehicleEF	LHD2	0.66	0.23
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3600e-004	1.3500e-004
tblVehicleEF	LHD2	1.1650e-003	1.3020e-003
tblVehicleEF	LHD2	2.6500e-003	2.6770e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0100e-004	1.2400e-004
tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	6.0830e-003	6.3990e-003
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tblVehicleEF	LHD2	6.7600e-004	7.7700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.8900e-004	5.2700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.36
tblVehicleEF	LHD2	0.15	0.06
tblVehicleEF	MCY	0.46	0.35
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tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
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tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.23	1.96
tblVehicleEF	MCY	2.1330e-003	2.1180e-003
tblVehicleEF	MCY	6.9900e-004	6.1700e-004
tblVehicleEF	MCY	0.92	0.93
tblVehicleEF	MCY	0.81	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.97	2.99
tblVehicleEF	MCY	1.10	2.43
tblVehicleEF	MCY	2.42	2.14
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.75	19.00
tblVehicleEF	MCY	8.78	7.72
tblVehicleEF	MCY	173.31	211.50
tblVehicleEF	MCY	47.17	59.78
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.30	0.25
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003

tblVehicleEF	MCY	1.9720e-003	1.8980e-003
tblVehicleEF	MCY	4.1960e-003	3.3480e-003
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.33	2.34
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	1.90	1.66
tblVehicleEF	MCY	2.1080e-003	2.0930e-003
tblVehicleEF	MCY	6.7100e-004	5.9200e-004
tblVehicleEF	MCY	1.60	1.61
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	1.25	1.25
tblVehicleEF	MCY	2.85	2.86
tblVehicleEF	MCY	1.02	2.26
tblVehicleEF	MCY	2.07	1.81
tblVehicleEF	MCY	0.47	0.36
tblVehicleEF	MCY	0.18	0.28
tblVehicleEF	MCY	21.20	21.51
tblVehicleEF	MCY	10.68	9.48
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tblVehicleEF	MCY	47.17	64.29
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	0.33	0.28
tblVehicleEF	MCY	2.1040e-003	2.0240e-003
tblVehicleEF	MCY	4.4370e-003	3.5420e-003
tblVehicleEF	MCY	1.9720e-003	1.8980e-003
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tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	2.50	2.52

tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.46	2.18
tblVehicleEF	MCY	2.1530e-003	2.1390e-003
tblVehicleEF	MCY	7.1900e-004	6.3600e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	1.03	1.02
tblVehicleEF	MCY	0.36	0.36
tblVehicleEF	MCY	3.06	3.08
tblVehicleEF	MCY	1.29	2.85
tblVehicleEF	MCY	2.67	2.37
tblVehicleEF	MDV	0.01	6.3020e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.36	1.23
tblVehicleEF	MDV	3.39	3.65
tblVehicleEF	MDV	492.62	422.92
tblVehicleEF	MDV	110.36	90.44
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.31	0.44
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
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tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	4.9360e-003	4.1810e-003
tblVehicleEF	MDV	1.1630e-003	8.9500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.19	0.17

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.01	6.6830e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.46	1.32
tblVehicleEF	MDV	2.79	2.99
tblVehicleEF	MDV	513.29	435.26
tblVehicleEF	MDV	110.36	89.15
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.28	0.40
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.23	0.44
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tblVehicleEF	MDV	1.1530e-003	8.8200e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.12	0.15
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.48
tblVehicleEF	MDV	0.25	0.48
tblVehicleEF	MDV	0.01	6.1890e-003
tblVehicleEF	MDV	0.02	0.11

tblVehicleEF	MDV	1.35	1.22
tblVehicleEF	MDV	3.76	4.07
tblVehicleEF	MDV	488.70	420.59
tblVehicleEF	MDV	110.36	91.24
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.33	0.46
tblVehicleEF	MDV	1.9380e-003	1.8040e-003
tblVehicleEF	MDV	2.5080e-003	2.1160e-003
tblVehicleEF	MDV	1.7880e-003	1.6650e-003
tblVehicleEF	MDV	2.3090e-003	1.9470e-003
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.28	0.55
tblVehicleEF	MDV	4.8970e-003	4.1580e-003
tblVehicleEF	MDV	1.1700e-003	9.0300e-004
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.18
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.14	0.63
tblVehicleEF	MDV	0.31	0.61
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.14	1.61
tblVehicleEF	MH	6.76	2.28
tblVehicleEF	MH	1,096.41	1,520.04
tblVehicleEF	MH	59.77	19.90
tblVehicleEF	MH	1.66	1.55
tblVehicleEF	MH	0.94	0.25

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.39	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.1600e-004	1.9700e-004
tblVehicleEF	MH	1.01	0.83
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.47	0.38
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.73
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.26	1.67
tblVehicleEF	MH	6.24	2.11
tblVehicleEF	MH	1,096.41	1,520.13
tblVehicleEF	MH	59.77	19.62
tblVehicleEF	MH	1.55	1.45
tblVehicleEF	MH	0.89	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003

tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.37	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0700e-004	1.9400e-004
tblVehicleEF	MH	1.53	1.24
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.64
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.67
tblVehicleEF	MH	0.40	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.07	1.58
tblVehicleEF	MH	7.07	2.38
tblVehicleEF	MH	1,096.41	1,519.98
tblVehicleEF	MH	59.77	20.07
tblVehicleEF	MH	1.66	1.54
tblVehicleEF	MH	0.99	0.26
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.2050e-003	2.7600e-004
tblVehicleEF	MH	3.2250e-003	3.2620e-003
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	1.1080e-003	2.5400e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09

tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.2100e-004	1.9900e-004
tblVehicleEF	MH	0.72	0.59
tblVehicleEF	MH	0.11	0.09
tblVehicleEF	MH	0.32	0.27
tblVehicleEF	MH	0.16	0.10
tblVehicleEF	MH	0.03	1.85
tblVehicleEF	MH	0.44	0.12
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tblVehicleEF	MHD	4.8120e-003	6.5110e-003
tblVehicleEF	MHD	0.06	8.3850e-003
tblVehicleEF	MHD	0.37	0.33
tblVehicleEF	MHD	0.37	0.59
tblVehicleEF	MHD	7.09	1.03
tblVehicleEF	MHD	149.65	72.76
tblVehicleEF	MHD	1,121.50	1,017.66
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tblVehicleEF	MHD	1.19	2.35
tblVehicleEF	MHD	11.42	1.22
tblVehicleEF	MHD	1.6840e-003	2.2720e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.6110e-003	2.1730e-003
tblVehicleEF	MHD	7.2450e-003	0.07
tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.42	0.05
tblVehicleEF	MHD	1.4390e-003	6.9000e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9100e-004	7.9000e-005
tblVehicleEF	MHD	9.5700e-004	3.9200e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4600e-004	2.5900e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.46	0.05
tblVehicleEF	MHD	0.02	2.8380e-003
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tblVehicleEF	MHD	0.06	7.9820e-003
tblVehicleEF	MHD	0.27	0.28
tblVehicleEF	MHD	0.37	0.60
tblVehicleEF	MHD	6.62	0.96
tblVehicleEF	MHD	158.51	74.12
tblVehicleEF	MHD	1,121.50	1,017.67
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tblVehicleEF	MHD	1.14	2.24
tblVehicleEF	MHD	11.36	1.21
tblVehicleEF	MHD	1.4200e-003	1.9180e-003
tblVehicleEF	MHD	7.5760e-003	0.07
tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.3580e-003	1.8350e-003
tblVehicleEF	MHD	7.2450e-003	0.07

tblVehicleEF	MHD	8.1100e-004	9.4000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.40	0.04
tblVehicleEF	MHD	1.5230e-003	7.0300e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.8300e-004	7.8000e-005
tblVehicleEF	MHD	1.5200e-003	6.2600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1200e-003	4.5300e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.2040e-003
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tblVehicleEF	MHD	0.06	8.6540e-003
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tblVehicleEF	MHD	0.36	0.59
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tblVehicleEF	MHD	1,121.50	1,017.65
tblVehicleEF	MHD	56.66	8.04
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tblVehicleEF	MHD	1.18	2.33
tblVehicleEF	MHD	11.47	1.22
tblVehicleEF	MHD	2.0490e-003	2.7600e-003
tblVehicleEF	MHD	7.5760e-003	0.07

tblVehicleEF	MHD	8.8200e-004	1.0200e-004
tblVehicleEF	MHD	1.9600e-003	2.6410e-003
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tblVehicleEF	MHD	8.1100e-004	9.4000e-005
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
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tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	1.3240e-003	6.7200e-004
tblVehicleEF	MHD	0.01	9.6840e-003
tblVehicleEF	MHD	6.9700e-004	8.0000e-005
tblVehicleEF	MHD	6.5200e-004	2.6500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.4300e-004	1.7600e-004
tblVehicleEF	MHD	0.05	0.13
tblVehicleEF	MHD	0.02	0.12
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tblVehicleEF	OBUS	0.74	1.37
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tblVehicleEF	OBUS	1.06	2.09

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tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	6.1000e-005	1.2040e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.1000e-004	9.2900e-004
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.06	0.29
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tblVehicleEF	OBUS	1.2430e-003	1.6410e-003
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tblVehicleEF	OBUS	5.1470e-003	0.05
tblVehicleEF	OBUS	8.6300e-004	2.0200e-004
tblVehicleEF	OBUS	5.2000e-005	1.0170e-003
tblVehicleEF	OBUS	4.9030e-003	0.05
tblVehicleEF	OBUS	7.9300e-004	1.8500e-004
tblVehicleEF	OBUS	1.8770e-003	2.4600e-003
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tblVehicleEF	OBUS	0.03	0.04
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tblVehicleEF	OBUS	7.4000e-005	1.4630e-003
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tblVehicleEF	SBUS	1.0340e-003	4.0300e-004
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tblVehicleEF	UBUS	0.05	0.02
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tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	0.40	0.05

tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.74	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4320e-003	1.9500e-004
tblVehicleEF	UBUS	2.2780e-003	6.0600e-004
tblVehicleEF	UBUS	0.04	8.2180e-003
tblVehicleEF	UBUS	1.6540e-003	4.8500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	9.1480e-003	0.04
tblVehicleEF	UBUS	0.81	0.11
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.09	21.79
tblVehicleEF	UBUS	8.57	1.46
tblVehicleEF	UBUS	1,824.90	1,604.23
tblVehicleEF	UBUS	125.02	19.25
tblVehicleEF	UBUS	4.00	0.42
tblVehicleEF	UBUS	13.50	0.18
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.67	0.09

tblVehicleEF	UBUS	8.3990e-003	5.8660e-003
tblVehicleEF	UBUS	1.4050e-003	1.9000e-004
tblVehicleEF	UBUS	3.2370e-003	9.0900e-004
tblVehicleEF	UBUS	0.04	8.6580e-003
tblVehicleEF	UBUS	2.9000e-003	8.6500e-004
tblVehicleEF	UBUS	2.50	2.91
tblVehicleEF	UBUS	8.0300e-003	0.04
tblVehicleEF	UBUS	0.73	0.10
tblVehicleEF	UBUS	2.04	2.85
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.04	21.79
tblVehicleEF	UBUS	11.20	1.90
tblVehicleEF	UBUS	1,824.90	1,604.22
tblVehicleEF	UBUS	125.02	19.99
tblVehicleEF	UBUS	4.18	0.43
tblVehicleEF	UBUS	13.63	0.20
tblVehicleEF	UBUS	0.55	0.09
tblVehicleEF	UBUS	0.01	0.02
tblVehicleEF	UBUS	0.04	3.4450e-003
tblVehicleEF	UBUS	1.1040e-003	1.5800e-004
tblVehicleEF	UBUS	0.23	0.04
tblVehicleEF	UBUS	3.0000e-003	5.6970e-003
tblVehicleEF	UBUS	0.03	3.2850e-003
tblVehicleEF	UBUS	1.0150e-003	1.4500e-004
tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	0.40	0.05
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.79	0.10
tblVehicleEF	UBUS	8.3980e-003	5.8660e-003
tblVehicleEF	UBUS	1.4500e-003	1.9800e-004

tblVehicleEF	UBUS	1.7370e-003	4.3700e-004
tblVehicleEF	UBUS	0.04	8.8600e-003
tblVehicleEF	UBUS	1.1370e-003	3.3100e-004
tblVehicleEF	UBUS	2.49	2.91
tblVehicleEF	UBUS	0.01	0.05
tblVehicleEF	UBUS	0.86	0.11
tblVehicleTrips	ST_TR	8.96	31.16
tblVehicleTrips	SU_TR	1.55	31.16
tblVehicleTrips	WD_TR	36.13	31.16

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1011	1.2671	0.7566	2.6200e-003	0.3705	0.0395	0.4100	0.0610	0.0372	0.0982	0.0000	244.6840	244.6840	0.0390	0.0000	245.6586
2021	0.3342	0.8137	0.5775	1.9000e-003	0.0695	0.0241	0.0936	0.0189	0.0224	0.0412	0.0000	174.2165	174.2165	0.0264	0.0000	174.8757
Maximum	**0.3342**	**1.2671**	**0.7566**	**2.6200e-003**	**0.3705**	**0.0395**	**0.4100**	**0.0610**	**0.0372**	**0.0982**	**0.0000**	**244.6840**	**244.6840**	**0.0390**	**0.0000**	**245.6586**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2020	0.0313	0.4819	0.8765	2.6200e-003	0.1657	-0.0022	0.1635	0.0304	-0.0018	0.0286	0.0000	244.6839	244.6839	0.0390	0.0000	245.6585
2021	0.2966	0.3791	0.6569	1.9000e-003	0.0695	1.6000e-003	0.0711	0.0189	1.6000e-003	0.0205	0.0000	174.2164	174.2164	0.0264	0.0000	174.8756
Maximum	**0.2966**	**0.4819**	**0.8765**	**2.6200e-003**	**0.1657**	**1.6000e-003**	**0.1635**	**0.0304**	**1.6000e-003**	**0.0286**	**0.0000**	**244.6839**	**244.6839**	**0.0390**	**0.0000**	**245.6585**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**24.67**	**58.62**	**-14.94**	**0.00**	**46.53**	**100.99**	**53.41**	**38.38**	**100.34**	**64.85**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**8-17-2020**	**11-16-2020**	0.9792	0.4423
2	**11-17-2020**	**2-16-2021**	0.6133	0.1458
3	**2-17-2021**	**5-16-2021**	0.2919	0.1603
4	**5-17-2021**	**8-16-2021**	0.5018	0.3414
5	**8-17-2021**	**9-30-2021**	0.1131	0.0929
		Highest	0.9792	0.4423

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2700	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003
Energy	2.4900e-003	0.0227	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	200.4042	200.4042	4.7000e-004	4.5000e-004	200.5509
Mobile	0.6958	1.0713	4.8905	0.0121	1.1656	0.0164	1.1820	0.3115	0.0155	0.3270	0.0000	1,126.4776	1,126.4776	0.0683	0.0000	1,128.1842
Waste						0.0000	0.0000		0.0000	0.0000	110.9082	0.0000	110.9082	6.5545	0.0000	274.7703
Water						0.0000	0.0000		0.0000	0.0000	2.0140	22.3599	24.3738	0.2069	4.8800e-003	31.0006
Total	**0.9683**	**1.0940**	**4.9131**	**0.0123**	**1.1656**	**0.0181**	**1.1837**	**0.3115**	**0.0172**	**0.3287**	**112.9221**	**1,349.2487**	**1,462.1708**	**6.8301**	**5.3300e-003**	**1,634.5134**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2700	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003
Energy	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	176.8139	176.8139	3.4000e-004	3.2000e-004	176.9192
Mobile	0.6958	1.0713	4.8905	0.0121	1.1656	0.0164	1.1820	0.3115	0.0155	0.3270	0.0000	1,126.4776	1,126.4776	0.0683	0.0000	1,128.1842
Waste						0.0000	0.0000		0.0000	0.0000	27.7270	0.0000	27.7270	1.6386	0.0000	68.6926
Water						0.0000	0.0000		0.0000	0.0000	1.6112	18.3224	19.9336	0.1655	3.9100e-003	25.2350
Total	**0.9676**	**1.0876**	**4.9077**	**0.0122**	**1.1656**	**0.0177**	**1.1832**	**0.3115**	**0.0167**	**0.3282**	**29.3382**	**1,321.6209**	**1,350.9590**	**1.8727**	**4.2300e-003**	**1,399.0384**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**0.58**	**0.11**	**0.33**	**0.00**	**2.65**	**0.04**	**0.00**	**2.79**	**0.15**	**74.02**	**2.05**	**7.61**	**72.58**	**20.64**	**14.41**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/17/2020	10/18/2020	5	45	
2	Grading	Grading	10/19/2020	11/20/2020	5	25	
3	Building Construction	Building Construction	11/21/2020	8/22/2021	5	195	
4	Paving	Paving	11/21/2020	1/24/2021	5	45	
5	Architectural Coating	Architectural Coating	7/5/2021	9/5/2021	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 25

Acres of Paving: 6.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,884; Non-Residential Outdoor: 25,295; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	1	8.00	158	0.38
Demolition	Skid Steer Loaders	1	8.00	65	0.37
Grading	Crawler Tractors	1	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Surfacing Equipment	1	8.00	263	0.30
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Paving	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	15.00	0.00	2,848.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Grading	6	18.00	0.00	84.00	10.80	7.30	22.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	73.00	31.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3120	0.0000	0.3120	0.0472	0.0000	0.0472	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0292	0.2379	0.2857	4.6000e-004		0.0135	0.0135		0.0133	0.0133	0.0000	39.9555	39.9555	6.3900e-003	0.0000	40.1152
Total	**0.0292**	**0.2379**	**0.2857**	**4.6000e-004**	**0.3120**	**0.0135**	**0.3255**	**0.0472**	**0.0133**	**0.0605**	**0.0000**	**39.9555**	**39.9555**	**6.3900e-003**	**0.0000**	**40.1152**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0112	0.4187	0.0919	1.1600e-003	0.0268	1.7600e-003	0.0286	7.3600e-003	1.6800e-003	9.0400e-003	0.0000	115.4358	115.4358	0.0109	0.0000	115.7083
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.4000e-004	9.0100e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3315	2.3315	6.0000e-005	0.0000	2.3331
Total	**0.0124**	**0.4195**	**0.1009**	**1.1900e-003**	**0.0296**	**1.7800e-003**	**0.0313**	**8.0800e-003**	**1.7000e-003**	**9.7800e-003**	**0.0000**	**117.7673**	**117.7673**	**0.0110**	**0.0000**	**118.0414**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1156	0.0000	0.1156	0.0175	0.0000	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5600e-003	0.0453	0.3076	4.6000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	39.9554	39.9554	6.3900e-003	0.0000	40.1152
Total	**5.5600e-003**	**0.0453**	**0.3076**	**4.6000e-004**	**0.1156**	**6.7000e-004**	**0.1163**	**0.0175**	**6.7000e-004**	**0.0182**	**0.0000**	**39.9554**	**39.9554**	**6.3900e-003**	**0.0000**	**40.1152**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0112	0.4187	0.0919	1.1600e-003	0.0268	1.7600e-003	0.0286	7.3600e-003	1.6800e-003	9.0400e-003	0.0000	115.4358	115.4358	0.0109	0.0000	115.7083
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.4000e-004	9.0100e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3315	2.3315	6.0000e-005	0.0000	2.3331
Total	**0.0124**	**0.4195**	**0.1009**	**1.1900e-003**	**0.0296**	**1.7800e-003**	**0.0313**	**8.0800e-003**	**1.7000e-003**	**9.7800e-003**	**0.0000**	**117.7673**	**117.7673**	**0.0110**	**0.0000**	**118.0414**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					0.0133	0.0000	0.0133	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.3081	0.1774	4.1000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	36.1412	36.1412	0.0117	0.0000	36.4335
Total	**0.0266**	**0.3081**	**0.1774**	**4.1000e-004**	**0.0133**	**0.0139**	**0.0272**	**1.4400e-003**	**0.0128**	**0.0142**	**0.0000**	**36.1412**	**36.1412**	**0.0117**	**0.0000**	**36.4335**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0124	2.7100e-003	3.0000e-005	7.9000e-004	5.0000e-005	8.4000e-004	2.2000e-004	5.0000e-005	2.7000e-004	0.0000	3.4047	3.4047	3.2000e-004	0.0000	3.4127
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	5.6000e-004	6.0100e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.5544	1.5544	4.0000e-005	0.0000	1.5554
Total	**1.1600e-003**	**0.0129**	**8.7200e-003**	**5.0000e-005**	**2.6000e-003**	**6.0000e-005**	**2.6700e-003**	**7.0000e-004**	**6.0000e-005**	**7.6000e-004**	**0.0000**	**4.9591**	**4.9591**	**3.6000e-004**	**0.0000**	**4.9681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.9300e-003	0.0000	4.9300e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	-0.0014	-0.0509	0.2321	4.1000e-004		-0.0041	-0.0041		-0.0037	-0.0037	0.0000	36.1412	36.1412	0.0117	0.0000	36.4334
Total	**-0.0014**	**-0.0509**	**0.2321**	**4.1000e-004**	**4.9300e-003**	**-0.0041**	**8.0000e-004**	**5.3000e-004**	**-0.0037**	**-0.0032**	**0.0000**	**36.1412**	**36.1412**	**0.0117**	**0.0000**	**36.4334**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0124	2.7100e-003	3.0000e-005	7.9000e-004	5.0000e-005	8.4000e-004	2.2000e-004	5.0000e-005	2.7000e-004	0.0000	3.4047	3.4047	3.2000e-004	0.0000	3.4127
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	5.6000e-004	6.0100e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.5544	1.5544	4.0000e-005	0.0000	1.5554
Total	**1.1600e-003**	**0.0129**	**8.7200e-003**	**5.0000e-005**	**2.6000e-003**	**6.0000e-005**	**2.6700e-003**	**7.0000e-004**	**6.0000e-005**	**7.6000e-004**	**0.0000**	**4.9591**	**4.9591**	**3.6000e-004**	**0.0000**	**4.9681**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9100e-003	0.0838	0.0470	1.0000e-004		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	9.0647	9.0647	2.9300e-003	0.0000	9.1380
Total	**6.9100e-003**	**0.0838**	**0.0470**	**1.0000e-004**		**3.4900e-003**	**3.4900e-003**		**3.2100e-003**	**3.2100e-003**	**0.0000**	**9.0647**	**9.0647**	**2.9300e-003**	**0.0000**	**9.1380**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5400e-003	0.0488	0.0131	1.1000e-004	2.9900e-003	2.9000e-004	3.2800e-003	8.6000e-004	2.8000e-004	1.1400e-003	0.0000	11.1956	11.1956	9.2000e-004	0.0000	11.2186
Worker	3.9100e-003	2.6300e-003	0.0283	8.0000e-005	8.5300e-003	6.0000e-005	8.6000e-003	2.2700e-003	6.0000e-005	2.3200e-003	0.0000	7.3123	7.3123	2.0000e-004	0.0000	7.3173
Total	**5.4500e-003**	**0.0514**	**0.0413**	**1.9000e-004**	**0.0115**	**3.5000e-004**	**0.0119**	**3.1300e-003**	**3.4000e-004**	**3.4600e-003**	**0.0000**	**18.5079**	**18.5079**	**1.1200e-003**	**0.0000**	**18.5359**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6400e-003	0.0208	0.0557	1.0000e-004		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	9.0647	9.0647	2.9300e-003	0.0000	9.1380
Total	**1.6400e-003**	**0.0208**	**0.0557**	**1.0000e-004**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**9.0647**	**9.0647**	**2.9300e-003**	**0.0000**	**9.1380**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5400e-003	0.0488	0.0131	1.1000e-004	2.9900e-003	2.9000e-004	3.2800e-003	8.6000e-004	2.8000e-004	1.1400e-003	0.0000	11.1956	11.1956	9.2000e-004	0.0000	11.2186
Worker	3.9100e-003	2.6300e-003	0.0283	8.0000e-005	8.5300e-003	6.0000e-005	8.6000e-003	2.2700e-003	6.0000e-005	2.3200e-003	0.0000	7.3123	7.3123	2.0000e-004	0.0000	7.3173

Total	**5.4500e-003**	**0.0514**	**0.0413**	**1.9000e-004**	**0.0115**	**3.5000e-004**	**0.0119**	**3.1300e-003**	**3.4000e-004**	**3.4600e-003**	**0.0000**	**18.5079**	**18.5079**	**1.1200e-003**	**0.0000**	**18.5359**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0363	0.4355	0.2594	5.9000e-004		0.0177	0.0177		0.0163	0.0163	0.0000	51.8863	51.8863	0.0168	0.0000	52.3058
Total	**0.0363**	**0.4355**	**0.2594**	**5.9000e-004**		**0.0177**	**0.0177**		**0.0163**	**0.0163**	**0.0000**	**51.8863**	**51.8863**	**0.0168**	**0.0000**	**52.3058**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4200e-003	0.2510	0.0676	6.5000e-004	0.0171	7.1000e-004	0.0178	4.9400e-003	6.8000e-004	5.6200e-003	0.0000	63.6639	63.6639	5.0600e-003	0.0000	63.7904
Worker	0.0210	0.0136	0.1493	4.5000e-004	0.0489	3.4000e-004	0.0492	0.0130	3.2000e-004	0.0133	0.0000	40.5993	40.5993	1.0300e-003	0.0000	40.6250
Total	**0.0284**	**0.2645**	**0.2168**	**1.1000e-003**	**0.0660**	**1.0500e-003**	**0.0670**	**0.0179**	**1.0000e-003**	**0.0189**	**0.0000**	**104.2632**	**104.2632**	**6.0900e-003**	**0.0000**	**104.4155**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.3700e-003	0.1188	0.3190	5.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	51.8863	51.8863	0.0168	0.0000	52.3058
Total	**9.3700e-003**	**0.1188**	**0.3190**	**5.9000e-004**		**9.7000e-004**	**9.7000e-004**		**9.7000e-004**	**9.7000e-004**	**0.0000**	**51.8863**	**51.8863**	**0.0168**	**0.0000**	**52.3058**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4200e-003	0.2510	0.0676	6.5000e-004	0.0171	7.1000e-004	0.0178	4.9400e-003	6.8000e-004	5.6200e-003	0.0000	63.6639	63.6639	5.0600e-003	0.0000	63.7904
Worker	0.0210	0.0136	0.1493	4.5000e-004	0.0489	3.4000e-004	0.0492	0.0130	3.2000e-004	0.0133	0.0000	40.5993	40.5993	1.0300e-003	0.0000	40.6250
Total	**0.0284**	**0.2645**	**0.2168**	**1.1000e-003**	**0.0660**	**1.0500e-003**	**0.0670**	**0.0179**	**1.0000e-003**	**0.0189**	**0.0000**	**104.2632**	**104.2632**	**6.0900e-003**	**0.0000**	**104.4155**

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0129	0.1530	0.0905	1.9000e-004		6.4100e-003	6.4100e-003		5.9000e-003	5.9000e-003	0.0000	16.9862	16.9862	5.4900e-003	0.0000	17.1235
Paving	5.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.0186**	**0.1530**	**0.0905**	**1.9000e-004**		**6.4100e-003**	**6.4100e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**16.9862**	**16.9862**	**5.4900e-003**	**0.0000**	**17.1235**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	4.7000e-004	5.0300e-003	1.0000e-005	1.5200e-003	1.0000e-005	1.5300e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3022	1.3022	4.0000e-005	0.0000	1.3031
Total	**7.0000e-004**	**4.7000e-004**	**5.0300e-003**	**1.0000e-005**	**1.5200e-003**	**1.0000e-005**	**1.5300e-003**	**4.0000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.3022**	**1.3022**	**4.0000e-005**	**0.0000**	**1.3031**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0000e-005	-0.0176	0.1251	1.9000e-004		-0.0011	-0.0011		-0.0010	-0.0010	0.0000	16.9862	16.9862	5.4900e-003	0.0000	17.1235
Paving	5.7100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.8000e-003**	**-0.0176**	**0.1251**	**1.9000e-004**		**-0.0011**	**-0.0011**		**-0.0010**	**-0.0010**	**0.0000**	**16.9862**	**16.9862**	**5.4900e-003**	**0.0000**	**17.1235**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	4.7000e-004	5.0300e-003	1.0000e-005	1.5200e-003	1.0000e-005	1.5300e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.3022	1.3022	4.0000e-005	0.0000	1.3031
Total	**7.0000e-004**	**4.7000e-004**	**5.0300e-003**	**1.0000e-005**	**1.5200e-003**	**1.0000e-005**	**1.5300e-003**	**4.0000e-004**	**1.0000e-005**	**4.1000e-004**	**0.0000**	**1.3022**	**1.3022**	**4.0000e-005**	**0.0000**	**1.3031**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6800e-003	0.0783	0.0495	1.1000e-004		3.2100e-003	3.2100e-003		2.9500e-003	2.9500e-003	0.0000	9.3638	9.3638	3.0300e-003	0.0000	9.4395
Paving	3.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.8300e-003**	**0.0783**	**0.0495**	**1.1000e-004**		**3.2100e-003**	**3.2100e-003**		**2.9500e-003**	**2.9500e-003**	**0.0000**	**9.3638**	**9.3638**	**3.0300e-003**	**0.0000**	**9.4395**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	3.6000e-004	2.3000e-004	2.5600e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6969	0.6969	2.0000e-005	0.0000	0.6973
Total	**3.6000e-004**	**2.3000e-004**	**2.5600e-003**	**1.0000e-005**	**8.4000e-004**	**1.0000e-005**	**8.4000e-004**	**2.2000e-004**	**1.0000e-005**	**2.3000e-004**	**0.0000**	**0.6969**	**0.6969**	**2.0000e-005**	**0.0000**	**0.6973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7000e-004	-0.0081	0.0690	1.1000e-004		-0.0005	-0.0005		-0.0005	-0.0005	0.0000	9.3638	9.3638	3.0300e-003	0.0000	9.4395
Paving	3.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3200e-003**	**-0.0081**	**0.0690**	**1.1000e-004**		**-0.0005**	**-0.0005**		**-0.0005**	**-0.0005**	**0.0000**	**9.3638**	**9.3638**	**3.0300e-003**	**0.0000**	**9.4395**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.3000e-004	2.5600e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6969	0.6969	2.0000e-005	0.0000	0.6973
Total	**3.6000e-004**	**2.3000e-004**	**2.5600e-003**	**1.0000e-005**	**8.4000e-004**	**1.0000e-005**	**8.4000e-004**	**2.2000e-004**	**1.0000e-005**	**2.3000e-004**	**0.0000**	**0.6969**	**0.6969**	**2.0000e-005**	**0.0000**	**0.6973**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9300e-003	0.0344	0.0409	7.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	5.7448	5.7448	3.9000e-004	0.0000	5.7547
Total	**0.2583**	**0.0344**	**0.0409**	**7.0000e-005**		**2.1200e-003**	**2.1200e-003**		**2.1200e-003**	**2.1200e-003**	**0.0000**	**5.7448**	**5.7448**	**3.9000e-004**	**0.0000**	**5.7547**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	7.6000e-004	8.3100e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.2615	2.2615	6.0000e-005	0.0000	2.2629
Total	**1.1700e-003**	**7.6000e-004**	**8.3100e-003**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.2615**	**2.2615**	**6.0000e-005**	**0.0000**	**2.2629**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	6.7000e-004	2.9000e-003	0.0412	7.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.7448	5.7448	3.9000e-004	0.0000	5.7547
Total	**0.2540**	**2.9000e-003**	**0.0412**	**7.0000e-005**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**5.7448**	**5.7448**	**3.9000e-004**	**0.0000**	**5.7547**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	7.6000e-004	8.3100e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.2615	2.2615	6.0000e-005	0.0000	2.2629
Total	**1.1700e-003**	**7.6000e-004**	**8.3100e-003**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.2615**	**2.2615**	**6.0000e-005**	**0.0000**	**2.2629**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6958	1.0713	4.8905	0.0121	1.1656	0.0164	1.1820	0.3115	0.0155	0.3270	0.0000	1,126.4776	1,126.4776	0.0683	0.0000	1,128.1842
Unmitigated	0.6958	1.0713	4.8905	0.0121	1.1656	0.0164	1.1820	0.3115	0.0155	0.3270	0.0000	1,126.4776	1,126.4776	0.0683	0.0000	1,128.1842

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	1,576.38	1,576.38	1576.38	3,085,378	3,085,378
Parking Lot	0.00	0.00	0.00		
Total	1,576.38	1,576.38	1,576.38	3,085,378	3,085,378

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600
Parking Lot	0.583307	0.042169	0.188993	0.113757	0.020157	0.006497	0.019402	0.017654	0.001149	0.000992	0.003948	0.000375	0.001600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	159.0963	159.0963	0.0000	0.0000	159.0963
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	175.7297	175.7297	0.0000	0.0000	175.7297
NaturalGas Mitigated	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7176	17.7176	3.4000e-004	3.2000e-004	17.8229
NaturalGas Unmitigated	2.4900e-003	0.0227	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6745	24.6745	4.7000e-004	4.5000e-004	24.8212

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Medical Office Building	462383	2.4900e-003	0.0227	0.0190	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6745	24.6745	4.7000e-004	4.5000e-004	24.8212
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**2.4900e-003**	**0.0227**	**0.0190**	**1.4000e-004**		**1.7200e-003**	**1.7200e-003**		**1.7200e-003**	**1.7200e-003**	**0.0000**	**24.6745**	**24.6745**	**4.7000e-004**	**4.5000e-004**	**24.8212**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Medical Office Building	332016	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7176	17.7176	3.4000e-004	3.2000e-004	17.8229
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.7900e-003**	**0.0163**	**0.0137**	**1.0000e-004**		**1.2400e-003**	**1.2400e-003**		**1.2400e-003**	**1.2400e-003**	**0.0000**	**17.7176**	**17.7176**	**3.4000e-004**	**3.2000e-004**	**17.8229**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Medical Office Building	707740	164.6861	0.0000	0.0000	164.6861
Parking Lot	47460	11.0436	0.0000	0.0000	11.0436
Total		**175.7297**	**0.0000**	**0.0000**	**175.7297**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Medical Office Building	636258	148.0527	0.0000	0.0000	148.0527
Parking Lot	47460	11.0436	0.0000	0.0000	11.0436
Total		**159.0963**	**0.0000**	**0.0000**	**159.0963**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	0.2700	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003
Unmitigated	0.2700	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4000e-004	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003
Total	**0.2700**	**3.0000e-005**	**3.5900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.9600e-003**	**6.9600e-003**	**2.0000e-005**	**0.0000**	**7.4200e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2063					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.4000e-004	3.0000e-005	3.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9600e-003	6.9600e-003	2.0000e-005	0.0000	7.4200e-003

Total	**0.2700**	**3.0000e-005**	**3.5900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.9600e-003**	**6.9600e-003**	**2.0000e-005**	**0.0000**	**7.4200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.9336	0.1655	3.9100e-003	25.2350
Unmitigated	24.3738	0.2069	4.8800e-003	31.0006

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Medical Office Building	6.34806 / 1.20915	24.3738	0.2069	4.8800e-003	31.0006
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000

Total		**24.3738**	**0.2069**	**4.8800e-003**	**31.0006**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Medical Office Building	5.07845 / 1.1354	19.9336	0.1655	3.9100e-003	25.2350
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**19.9336**	**0.1655**	**3.9100e-003**	**25.2350**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.7270	1.6386	0.0000	68.6926
Unmitigated	110.9082	6.5545	0.0000	274.7703

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Medical Office Building	546.37	110.9082	6.5545	0.0000	274.7703
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**110.9082**	**6.5545**	**0.0000**	**274.7703**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Medical Office Building	136.593	27.7270	1.6386	0.0000	68.6926
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**27.7270**	**1.6386**	**0.0000**	**68.6926**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VA Medical Facility Project
Energy Calculations

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
Medical Office Building	332,016	3,320	636,258	636
Parking Lot	-	-	47,460	47
Totals	**332,016**	**3,320**	**683,718**	**684**

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Ventura Annual Energy Consumption (2018)	Percentage increase countywide
Electricity (MWh/YR)	684	5,539,426	0.0123%
Natural Gas (Therms)	3,320	166,835,709	0.0020%

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

VA Medical Facility Project
Energy Calculations

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled[3]	Average Fuel Economy (miles per gallon)[4]	Total Annual Fuel Consumption (gallons)[5]
Passenger Cars	0.58	914	1,789,519	22	81,342
Light/Medium Trucks	0.34	536	1,049,029	17.3	60,637
Heavy Trucks/Other	0.08	126	246,830	6.4	38,567
TOTAL [6]	***1.00***	1,576	***3,085,378***	**--**	***180,546***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics in the Traffic Impact Study and within the CalEEMod model.

2. Daily Trips calculated by multiplying the total daily trips by percent vehicle trips (i.e., Daily Trips x percent of Vehicle Trips).

3. Daily Vehicle Miles Traveled (VMT) calculated by multiplying percent vehicle trips by total VMT (i.e., VMT x percent of Vehicle Trips).

4. Average fuel economy derived from the Department of Transportation.

5. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).

6. Values may be slightly off due to rounding.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

VA Medical Facility Project
Energy Calculations

Phase Name	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	45	15	10.80	7,290		293
Grading	25	18	10.80	4,860		195
Building Construction	195	73	10.80	153,738	**24.90284233**	6,174
Paving	45	13	10.80	6,318		254
Architectural Coating	45	15	10.80	7,290		293
						7,208

Phase Name	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	45	-	7.30	-		-
Grading	25	-	7.30	-		-
Building Construction	195	31	7.30	44,129	**8.43886151**	5,229
Paving	45	-	7.30	-		-
Architectural Coating	45	-	7.30	-		-
						5,229

	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	45	2,848	22.00	62,656		7,505
Grading	25	84	22.00	1,848		221
Building Construction	195	-	22.00	-	**8.34886151**	-
Paving	45	-	22.00	-		-
Architectural Coating	45	-	22.00	-		-
						7,726
					Total	**20,163.14**

VA Medical Facility Project
Energy Calculations

Phase	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	45	851.47
Demolition	Crushing/Proc. Equipment	1	8	85	0.78	2.652	8	45	954.72
Demolition	Excavators	1	8	158	0.38	2.4016	8	45	864.58
Demolition	Skid Steer Loaders	1	8	65	0.37	0.962	8	45	346.32
Grading	Crawler Tractors	1	8	212	0.43	3.6464	8	25	729.28
Grading	Excavators	1	8	158	0.38	2.4016	8	25	480.32
Grading	Graders	1	8	187	0.41	3.0668	8	25	613.36
Grading	Surfacing Equipment	1	8	263	0.3	3.156	8	25	631.20
Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	25	287.12
Grading	Trenchers	1	8	78	0.5	1.56	8	25	312.00
Building Construction	Cranes	1	7	231	0.29	2.6796	7	195	3657.65
Building Construction	Skid Steer Loaders	1	8	65	0.37	0.962	8	195	1500.72
Paving	Graders	1	8	187	0.41	3.0668	8	45	1104.05
Paving	Paving Equipment	1	8	132	0.36	1.9008	8	45	684.29
Paving	Rollers	1	8	80	0.38	1.216	8	45	437.76
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	45	404.35
								Total:	13,859
								Off-Site Mobile Construction Total:	20,163
								TOTAL:	**34,022**