

**Long Beach Civic Center**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	575.79	1000sqft	3.78	575,793.00	0
Library	92.00	1000sqft	1.73	92,000.00	0
Enclosed Parking with Elevator	509.00	Space	0.00	203,600.00	0
Enclosed Parking with Elevator	250.00	Space	0.00	100,000.00	0
Enclosed Parking with Elevator	725.00	Space	0.00	290,000.00	0
City Park	3.17	Acre	3.17	138,085.20	0
High Turnover (Sit Down Restaurant)	8.00	1000sqft	0.00	8,000.00	0
Hotel	200.00	Room	0.00	290,400.00	0
Condo/Townhouse High Rise	200.00	Dwelling Unit	0.90	235,000.00	572
Condo/Townhouse High Rise	580.00	Dwelling Unit	6.29	650,000.00	1659
Regional Shopping Center	32.00	1000sqft	0.00	32,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Civic Center includes City Hall, Port Bldg, and plaza. Total lot acreage divided by uses (estimated from site plan). SF from PD.

Construction Phase - Construction Schedule from applicant provided material. Courthouse Demolition assumed to occur before grading begins.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Demolition includes City Hall, Library, and Old Courthouse.

Grading - Grading area estimated from export study.

Architectural Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. SF updated based on phasing.

Vehicle Trips - Trip rates from LLG Traffic Study (Appendix E).

Woodstoves - Assumed compliance with SCAQMD's Healthy Hearths Initiative Rule 445 - wood burning devices cannot be installed in new developments.

Area Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. Non-residential SF does not include park.

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Fugitive Dust Rule 403 and Downtown Plan EIR Mitigation Measure AQ-1(c).

Mobile Land Use Mitigation - Approx. 107 du/acre (Center Block and Third and Pacific Block). Project site in Downtown.

Mobile Commute Mitigation - Assumed compliance with Downtown Plan EIR Mitigation Measure AQ-2.

Area Mitigation - Use of low-VOC paint (150 g/L for nonflat coatings) SCAQMD Rule 1113.

Energy Mitigation - Assumed compliance with DP EIR MM AQ-2 and MM GHG-2(b). Light energy reduction [https://www.energystar.gov/index.cfm?c=ssl.pr\\_why\\_es\\_com](https://www.energystar.gov/index.cfm?c=ssl.pr_why_es_com)

Water Mitigation - Assumed compliance with DP EIR MM GHG-2(b)

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,594,817.00	150,000.00
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	PhaseEndDate	3/2/2020	12/31/2019
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tblLandUse	LandUseSquareFeet	200,000.00	235,000.00
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tblVehicleEF	LDT1	4.3890e-003	4.3440e-003
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.31	0.29
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	1.10	1.00
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	4.0920e-003	4.1010e-003
tblVehicleEF	LDT1	9.1500e-004	9.0700e-004
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.31	0.29
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	1.10	1.00
tblVehicleEF	LDT1	0.30	0.26
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	6.6260e-003
tblVehicleEF	LDT2	1.07	0.95
tblVehicleEF	LDT2	2.03	1.71
tblVehicleEF	LDT2	369.06	359.70
tblVehicleEF	LDT2	77.44	75.28

tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.10
tblVehicleEF	LDT2	0.18	0.14
tblVehicleEF	LDT2	1.9220e-003	1.9830e-003
tblVehicleEF	LDT2	3.3610e-003	3.7230e-003
tblVehicleEF	LDT2	1.7830e-003	1.8400e-003
tblVehicleEF	LDT2	3.1180e-003	3.4540e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.39
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	4.8850e-003	4.8920e-003
tblVehicleEF	LDT2	1.0390e-003	1.0350e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.41	0.39
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	6.6260e-003
tblVehicleEF	LDT2	1.19	1.06
tblVehicleEF	LDT2	1.60	1.35
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tblVehicleEF	LDT2	77.44	75.28
tblVehicleEF	LDT2	0.18	0.18

tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.9220e-003	1.9830e-003
tblVehicleEF	LDT2	3.3610e-003	3.7230e-003
tblVehicleEF	LDT2	1.7830e-003	1.8400e-003
tblVehicleEF	LDT2	3.1180e-003	3.4540e-003
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.39	0.36
tblVehicleEF	LDT2	0.12	0.10
tblVehicleEF	LDT2	5.1360e-003	5.1440e-003
tblVehicleEF	LDT2	1.0320e-003	1.0290e-003
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.39	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	6.6260e-003
tblVehicleEF	LDT2	1.03	0.92
tblVehicleEF	LDT2	2.10	1.77
tblVehicleEF	LDT2	363.33	354.11
tblVehicleEF	LDT2	77.44	75.28
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.10

tblVehicleEF	LDT2	0.18	0.14
tblVehicleEF	LDT2	1.9220e-003	1.9830e-003
tblVehicleEF	LDT2	3.3610e-003	3.7230e-003
tblVehicleEF	LDT2	1.7830e-003	1.8400e-003
tblVehicleEF	LDT2	3.1180e-003	3.4540e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.45
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	4.8080e-003	4.8150e-003
tblVehicleEF	LDT2	1.0410e-003	1.0360e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.48	0.45
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LHD1	1.2780e-003	1.2420e-003
tblVehicleEF	LHD1	0.01	9.7370e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	0.99	0.81
tblVehicleEF	LHD1	4.05	3.65
tblVehicleEF	LHD1	7.70	7.70
tblVehicleEF	LHD1	528.12	529.38
tblVehicleEF	LHD1	41.54	41.72

tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.98	0.85
tblVehicleEF	LHD1	1.30	1.23
tblVehicleEF	LHD1	4.7900e-004	4.7700e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	8.9540e-003
tblVehicleEF	LHD1	6.6480e-003	6.0830e-003
tblVehicleEF	LHD1	9.0800e-004	7.6100e-004
tblVehicleEF	LHD1	4.4100e-004	4.3800e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1210e-003	5.6000e-003
tblVehicleEF	LHD1	8.4000e-004	7.0600e-004
tblVehicleEF	LHD1	2.6250e-003	2.4700e-003
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.5850e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.40
tblVehicleEF	LHD1	0.37	0.32
tblVehicleEF	LHD1	5.8180e-003	5.8290e-003
tblVehicleEF	LHD1	5.3600e-004	5.3000e-004
tblVehicleEF	LHD1	2.6250e-003	2.4700e-003
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.5850e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.42	0.40

tblVehicleEF	LHD1	0.39	0.34
tblVehicleEF	LHD1	1.2780e-003	1.2420e-003
tblVehicleEF	LHD1	0.01	9.7370e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	1.01	0.82
tblVehicleEF	LHD1	3.28	2.96
tblVehicleEF	LHD1	7.70	7.70
tblVehicleEF	LHD1	528.12	529.38
tblVehicleEF	LHD1	41.54	41.72
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.91	0.79
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	4.7700e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	8.9540e-003
tblVehicleEF	LHD1	6.6480e-003	6.0830e-003
tblVehicleEF	LHD1	9.0800e-004	7.6100e-004
tblVehicleEF	LHD1	4.4100e-004	4.3800e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1210e-003	5.6000e-003
tblVehicleEF	LHD1	8.4000e-004	7.0600e-004
tblVehicleEF	LHD1	4.1230e-003	3.8730e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	2.4310e-003
tblVehicleEF	LHD1	0.07	0.06

tblVehicleEF	LHD1	0.41	0.39
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD1	5.8180e-003	5.8290e-003
tblVehicleEF	LHD1	5.2300e-004	5.1800e-004
tblVehicleEF	LHD1	4.1230e-003	3.8730e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	2.4310e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.41	0.39
tblVehicleEF	LHD1	0.35	0.30
tblVehicleEF	LHD1	1.2780e-003	1.2420e-003
tblVehicleEF	LHD1	0.01	9.7370e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	0.99	0.81
tblVehicleEF	LHD1	4.08	3.68
tblVehicleEF	LHD1	7.70	7.70
tblVehicleEF	LHD1	528.12	529.38
tblVehicleEF	LHD1	41.54	41.72
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.96	0.83
tblVehicleEF	LHD1	1.31	1.24
tblVehicleEF	LHD1	4.7900e-004	4.7700e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	8.9540e-003
tblVehicleEF	LHD1	6.6480e-003	6.0830e-003

tblVehicleEF	LHD1	9.0800e-004	7.6100e-004
tblVehicleEF	LHD1	4.4100e-004	4.3800e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1210e-003	5.6000e-003
tblVehicleEF	LHD1	8.4000e-004	7.0600e-004
tblVehicleEF	LHD1	2.7730e-003	2.5660e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	1.5860e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.44
tblVehicleEF	LHD1	0.37	0.32
tblVehicleEF	LHD1	5.8180e-003	5.8290e-003
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tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	1.5860e-003
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tblVehicleEF	LHD2	1.0000e-003	9.7700e-004
tblVehicleEF	LHD2	7.6760e-003	6.5600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.65	0.55
tblVehicleEF	LHD2	2.34	2.09
tblVehicleEF	LHD2	8.48	8.48



tblVehicleEF	LHD2	509.57	510.07
tblVehicleEF	LHD2	28.34	28.48
tblVehicleEF	LHD2	6.7260e-003	6.8350e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.56	1.33
tblVehicleEF	LHD2	0.86	0.80
tblVehicleEF	LHD2	1.0450e-003	1.0370e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	9.9790e-003	9.9800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	3.7700e-004
tblVehicleEF	LHD2	9.6200e-004	9.5400e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	3.5000e-004
tblVehicleEF	LHD2	1.4630e-003	1.3330e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	9.0900e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.24	0.22
tblVehicleEF	LHD2	0.22	0.18
tblVehicleEF	LHD2	5.5450e-003	5.5490e-003
tblVehicleEF	LHD2	3.5800e-004	3.5500e-004
tblVehicleEF	LHD2	1.4630e-003	1.3330e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	9.0900e-004

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tblVehicleEF	LHD2	0.24	0.22
tblVehicleEF	LHD2	0.23	0.20
tblVehicleEF	LHD2	1.0000e-003	9.7700e-004
tblVehicleEF	LHD2	7.6760e-003	6.5600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.66	0.56
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tblVehicleEF	LHD2	8.48	8.48
tblVehicleEF	LHD2	509.57	510.07
tblVehicleEF	LHD2	28.34	28.48
tblVehicleEF	LHD2	6.7260e-003	6.8350e-003
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tblVehicleEF	LHD2	1.47	1.25
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tblVehicleEF	LHD2	1.0450e-003	1.0370e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	9.9790e-003	9.9800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	3.7700e-004
tblVehicleEF	LHD2	9.6200e-004	9.5400e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	3.5000e-004
tblVehicleEF	LHD2	2.2700e-003	2.0650e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	1.4440e-003	1.3650e-003
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tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.19	0.16
tblVehicleEF	LHD2	5.5450e-003	5.5490e-003
tblVehicleEF	LHD2	3.5000e-004	3.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.0650e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.3650e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.21	0.18
tblVehicleEF	LHD2	1.0000e-003	9.7700e-004
tblVehicleEF	LHD2	7.6760e-003	6.5600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.65	0.55
tblVehicleEF	LHD2	2.37	2.12
tblVehicleEF	LHD2	8.48	8.48
tblVehicleEF	LHD2	509.57	510.07
tblVehicleEF	LHD2	28.34	28.48
tblVehicleEF	LHD2	6.7260e-003	6.8350e-003
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tblVehicleEF	LHD2	1.53	1.30
tblVehicleEF	LHD2	0.86	0.81
tblVehicleEF	LHD2	1.0450e-003	1.0370e-003
tblVehicleEF	LHD2	0.06	0.06

tblVehicleEF	LHD2	9.9790e-003	9.9800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	3.7700e-004
tblVehicleEF	LHD2	9.6200e-004	9.5400e-004
tblVehicleEF	LHD2	0.03	0.03
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tblVehicleEF	LHD2	1.5110e-003	1.3460e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	8.9500e-004
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tblVehicleEF	LHD2	0.26	0.24
tblVehicleEF	LHD2	0.22	0.19
tblVehicleEF	LHD2	5.5450e-003	5.5490e-003
tblVehicleEF	LHD2	3.5800e-004	3.5500e-004
tblVehicleEF	LHD2	1.5110e-003	1.3460e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	8.9500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.26	0.24
tblVehicleEF	LHD2	0.23	0.20
tblVehicleEF	MCY	20.61	20.09
tblVehicleEF	MCY	10.01	10.06
tblVehicleEF	MCY	141.43	142.62
tblVehicleEF	MCY	38.50	37.84
tblVehicleEF	MCY	4.4000e-003	4.3080e-003

tblVehicleEF	MCY	1.16	1.15
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	2.7700e-004
tblVehicleEF	MCY	9.6300e-004	8.3500e-004
tblVehicleEF	MCY	2.6400e-004	2.3600e-004
tblVehicleEF	MCY	8.0000e-004	7.0500e-004
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.41	0.41
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.39	2.37
tblVehicleEF	MCY	1.24	1.19
tblVehicleEF	MCY	2.06	2.05
tblVehicleEF	MCY	1.9700e-003	1.9740e-003
tblVehicleEF	MCY	6.5000e-004	6.4300e-004
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.41	0.41
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.62	2.60
tblVehicleEF	MCY	1.24	1.19
tblVehicleEF	MCY	2.21	2.20
tblVehicleEF	MCY	19.99	19.50
tblVehicleEF	MCY	8.80	8.82
tblVehicleEF	MCY	141.43	142.62
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tblVehicleEF	MCY	4.4000e-003	4.3080e-003
tblVehicleEF	MCY	1.01	1.01
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	2.7700e-004

tblVehicleEF	MCY	9.6300e-004	8.3500e-004
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tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.51	0.51
tblVehicleEF	MCY	1.05	1.05
tblVehicleEF	MCY	2.33	2.31
tblVehicleEF	MCY	1.16	1.11
tblVehicleEF	MCY	1.81	1.80
tblVehicleEF	MCY	1.9590e-003	1.9640e-003
tblVehicleEF	MCY	6.2300e-004	6.1600e-004
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.51	0.51
tblVehicleEF	MCY	1.05	1.05
tblVehicleEF	MCY	2.56	2.55
tblVehicleEF	MCY	1.16	1.11
tblVehicleEF	MCY	1.95	1.93
tblVehicleEF	MCY	20.49	19.97
tblVehicleEF	MCY	10.06	10.12
tblVehicleEF	MCY	141.43	142.62
tblVehicleEF	MCY	38.50	37.84
tblVehicleEF	MCY	4.4000e-003	4.3080e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	2.7700e-004
tblVehicleEF	MCY	9.6300e-004	8.3500e-004
tblVehicleEF	MCY	2.6400e-004	2.3600e-004
tblVehicleEF	MCY	8.0000e-004	7.0500e-004

tblVehicleEF	MCY	1.10	1.10
tblVehicleEF	MCY	0.54	0.54
tblVehicleEF	MCY	0.54	0.54
tblVehicleEF	MCY	2.39	2.37
tblVehicleEF	MCY	1.48	1.43
tblVehicleEF	MCY	2.08	2.06
tblVehicleEF	MCY	1.9680e-003	1.9730e-003
tblVehicleEF	MCY	6.5100e-004	6.4400e-004
tblVehicleEF	MCY	1.10	1.10
tblVehicleEF	MCY	0.54	0.54
tblVehicleEF	MCY	0.54	0.54
tblVehicleEF	MCY	2.62	2.60
tblVehicleEF	MCY	1.48	1.43
tblVehicleEF	MCY	2.23	2.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.52
tblVehicleEF	MDV	3.77	3.26
tblVehicleEF	MDV	488.73	477.62
tblVehicleEF	MDV	102.89	100.49
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.35	0.30
tblVehicleEF	MDV	2.1720e-003	2.1510e-003
tblVehicleEF	MDV	3.5290e-003	3.7110e-003
tblVehicleEF	MDV	2.0090e-003	1.9940e-003
tblVehicleEF	MDV	3.2670e-003	3.4420e-003
tblVehicleEF	MDV	0.09	0.09

tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.60	0.59
tblVehicleEF	MDV	0.32	0.27
tblVehicleEF	MDV	6.2060e-003	6.2200e-003
tblVehicleEF	MDV	1.3410e-003	1.3350e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.60	0.59
tblVehicleEF	MDV	0.34	0.29
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	1.69
tblVehicleEF	MDV	2.97	2.56
tblVehicleEF	MDV	514.18	502.64
tblVehicleEF	MDV	102.89	100.49
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.33	0.28
tblVehicleEF	MDV	2.1720e-003	2.1510e-003
tblVehicleEF	MDV	3.5290e-003	3.7110e-003
tblVehicleEF	MDV	2.0090e-003	1.9940e-003
tblVehicleEF	MDV	3.2670e-003	3.4420e-003
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.21	0.21



tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.57	0.56
tblVehicleEF	MDV	0.27	0.23
tblVehicleEF	MDV	6.5340e-003	6.5500e-003
tblVehicleEF	MDV	1.3270e-003	1.3220e-003
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.57	0.56
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.46
tblVehicleEF	MDV	3.88	3.37
tblVehicleEF	MDV	481.27	470.30
tblVehicleEF	MDV	102.89	100.49
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.36	0.30
tblVehicleEF	MDV	2.1720e-003	2.1510e-003
tblVehicleEF	MDV	3.5290e-003	3.7110e-003
tblVehicleEF	MDV	2.0090e-003	1.9940e-003
tblVehicleEF	MDV	3.2670e-003	3.4420e-003
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.09	0.09

tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.68
tblVehicleEF	MDV	0.32	0.27
tblVehicleEF	MDV	6.1110e-003	6.1240e-003
tblVehicleEF	MDV	1.3430e-003	1.3360e-003
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.68
tblVehicleEF	MDV	0.34	0.29
tblVehicleEF	MH	1.60	1.00
tblVehicleEF	MH	6.03	5.23
tblVehicleEF	MH	602.71	604.56
tblVehicleEF	MH	27.93	27.82
tblVehicleEF	MH	2.1590e-003	2.2880e-003
tblVehicleEF	MH	1.25	1.08
tblVehicleEF	MH	0.68	0.62
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.5810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	6.4900e-004	4.6700e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.9600e-004	4.3400e-004
tblVehicleEF	MH	0.95	0.79
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.34

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.32
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	6.6390e-003	6.6500e-003
tblVehicleEF	MH	4.1500e-004	4.0000e-004
tblVehicleEF	MH	0.95	0.79
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.34
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	1.59	1.32
tblVehicleEF	MH	0.36	0.30
tblVehicleEF	MH	1.64	1.03
tblVehicleEF	MH	4.81	4.19
tblVehicleEF	MH	602.71	604.56
tblVehicleEF	MH	27.93	27.82
tblVehicleEF	MH	2.1590e-003	2.2880e-003
tblVehicleEF	MH	1.15	1.00
tblVehicleEF	MH	0.66	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.5810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	6.4900e-004	4.6700e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.9600e-004	4.3400e-004
tblVehicleEF	MH	1.47	1.22
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.61	0.53

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.56	1.29
tblVehicleEF	MH	0.29	0.25
tblVehicleEF	MH	6.6400e-003	6.6500e-003
tblVehicleEF	MH	3.9500e-004	3.8200e-004
tblVehicleEF	MH	1.47	1.22
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.61	0.53
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	1.56	1.29
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	1.59	1.00
tblVehicleEF	MH	6.06	5.25
tblVehicleEF	MH	602.71	604.56
tblVehicleEF	MH	27.93	27.82
tblVehicleEF	MH	2.1590e-003	2.2880e-003
tblVehicleEF	MH	1.22	1.06
tblVehicleEF	MH	0.69	0.62
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.5810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	6.4900e-004	4.6700e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.9600e-004	4.3400e-004
tblVehicleEF	MH	1.07	0.87
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.41	0.35

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.40
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	6.6390e-003	6.6500e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	0.87
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	1.68	1.40
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MHD	7.4570e-003	8.1650e-003
tblVehicleEF	MHD	3.5450e-003	3.3250e-003
tblVehicleEF	MHD	1.89	2.07
tblVehicleEF	MHD	0.68	0.56
tblVehicleEF	MHD	14.44	12.47
tblVehicleEF	MHD	572.02	572.08
tblVehicleEF	MHD	914.53	913.05
tblVehicleEF	MHD	49.60	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.69	3.42
tblVehicleEF	MHD	1.64	1.04
tblVehicleEF	MHD	1.62	1.43
tblVehicleEF	MHD	0.01	7.9640e-003
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.3970e-003	1.0860e-003

tblVehicleEF	MHD	0.01	7.3270e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.2800e-003	1.0070e-003
tblVehicleEF	MHD	2.3690e-003	2.1250e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.18
tblVehicleEF	MHD	1.5020e-003	1.4000e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	0.73
tblVehicleEF	MHD	9.7500e-003	9.7330e-003
tblVehicleEF	MHD	8.0400e-004	7.6600e-004
tblVehicleEF	MHD	2.3690e-003	2.1250e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.20
tblVehicleEF	MHD	1.5020e-003	1.4000e-003
tblVehicleEF	MHD	0.11	0.10
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	0.78
tblVehicleEF	MHD	7.0270e-003	7.6940e-003
tblVehicleEF	MHD	3.5450e-003	3.3250e-003
tblVehicleEF	MHD	1.37	1.51
tblVehicleEF	MHD	0.69	0.57
tblVehicleEF	MHD	11.64	10.06
tblVehicleEF	MHD	606.00	606.07
tblVehicleEF	MHD	914.53	913.05
tblVehicleEF	MHD	49.60	49.32

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.84	3.53
tblVehicleEF	MHD	1.54	0.97
tblVehicleEF	MHD	1.56	1.37
tblVehicleEF	MHD	9.3480e-003	6.7140e-003
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.3970e-003	1.0860e-003
tblVehicleEF	MHD	8.6000e-003	6.1770e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.2800e-003	1.0070e-003
tblVehicleEF	MHD	3.6600e-003	3.2710e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.15	0.17
tblVehicleEF	MHD	2.2910e-003	2.1040e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.39
tblVehicleEF	MHD	0.76	0.65
tblVehicleEF	MHD	6.4240e-003	6.4250e-003
tblVehicleEF	MHD	9.7500e-003	9.7330e-003
tblVehicleEF	MHD	7.5700e-004	7.2500e-004
tblVehicleEF	MHD	3.6600e-003	3.2710e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.17	0.19
tblVehicleEF	MHD	2.2910e-003	2.1040e-003
tblVehicleEF	MHD	0.11	0.10

tblVehicleEF	MHD	0.41	0.39
tblVehicleEF	MHD	0.81	0.69
tblVehicleEF	MHD	8.0500e-003	8.8140e-003
tblVehicleEF	MHD	3.5450e-003	3.3250e-003
tblVehicleEF	MHD	2.60	2.85
tblVehicleEF	MHD	0.68	0.56
tblVehicleEF	MHD	14.78	12.76
tblVehicleEF	MHD	525.09	525.15
tblVehicleEF	MHD	914.53	913.05
tblVehicleEF	MHD	49.60	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.48	3.27
tblVehicleEF	MHD	1.60	1.02
tblVehicleEF	MHD	1.63	1.44
tblVehicleEF	MHD	0.01	9.6910e-003
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.3970e-003	1.0860e-003
tblVehicleEF	MHD	0.01	8.9150e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.2800e-003	1.0070e-003
tblVehicleEF	MHD	2.5250e-003	2.2210e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.17	0.19
tblVehicleEF	MHD	1.5230e-003	1.4060e-003
tblVehicleEF	MHD	0.09	0.08



tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.88	0.74
tblVehicleEF	MHD	5.5660e-003	5.5670e-003
tblVehicleEF	MHD	9.7500e-003	9.7330e-003
tblVehicleEF	MHD	8.1000e-004	7.7100e-004
tblVehicleEF	MHD	2.5250e-003	2.2210e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.20	0.22
tblVehicleEF	MHD	1.5230e-003	1.4060e-003
tblVehicleEF	MHD	0.11	0.10
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.94	0.79
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tblVehicleEF	OBUS	2.7960e-003	2.9670e-003
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tblVehicleEF	OBUS	0.97	0.86
tblVehicleEF	OBUS	8.80	7.92
tblVehicleEF	OBUS	534.88	533.47
tblVehicleEF	OBUS	1,017.03	1,018.77
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	1.9660e-003
tblVehicleEF	OBUS	4.65	3.20
tblVehicleEF	OBUS	2.28	1.27
tblVehicleEF	OBUS	1.24	1.12
tblVehicleEF	OBUS	9.5470e-003	8.7920e-003
tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	4.9700e-004
tblVehicleEF	OBUS	8.7830e-003	8.0890e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6450e-003	2.6520e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	4.6100e-004
tblVehicleEF	OBUS	9.6600e-004	9.5100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.47	0.56
tblVehicleEF	OBUS	5.3100e-004	5.3300e-004
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	0.33	0.33
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	5.6700e-003	5.6550e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.1900e-004	5.0200e-004
tblVehicleEF	OBUS	9.6600e-004	9.5100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.53	0.64
tblVehicleEF	OBUS	5.3100e-004	5.3300e-004
tblVehicleEF	OBUS	0.14	0.13
tblVehicleEF	OBUS	0.33	0.33
tblVehicleEF	OBUS	0.58	0.51
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.7960e-003	2.9670e-003
tblVehicleEF	OBUS	1.99	2.40
tblVehicleEF	OBUS	0.98	0.86
tblVehicleEF	OBUS	7.12	6.40

tblVehicleEF	OBUS	566.66	565.16
tblVehicleEF	OBUS	1,017.03	1,018.77
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	1.9660e-003
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tblVehicleEF	OBUS	2.14	1.19
tblVehicleEF	OBUS	1.19	1.08
tblVehicleEF	OBUS	8.0480e-003	7.4120e-003
tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	7.4040e-003	6.8190e-003
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tblVehicleEF	OBUS	2.6450e-003	2.6520e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	4.6100e-004
tblVehicleEF	OBUS	1.4470e-003	1.4230e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.44	0.53
tblVehicleEF	OBUS	7.8300e-004	7.8100e-004
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	0.32	0.32
tblVehicleEF	OBUS	0.48	0.42
tblVehicleEF	OBUS	6.0070e-003	5.9910e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.9000e-004	4.7700e-004
tblVehicleEF	OBUS	1.4470e-003	1.4230e-003

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tblVehicleEF	OBUS	0.50	0.60
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tblVehicleEF	OBUS	0.14	0.13
tblVehicleEF	OBUS	0.32	0.32
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tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.7960e-003	2.9670e-003
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tblVehicleEF	OBUS	8.99	8.09
tblVehicleEF	OBUS	491.00	489.70
tblVehicleEF	OBUS	1,017.03	1,018.77
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	1.9660e-003
tblVehicleEF	OBUS	4.44	3.06
tblVehicleEF	OBUS	2.24	1.25
tblVehicleEF	OBUS	1.25	1.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	4.9700e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6450e-003	2.6520e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	4.6100e-004

tblVehicleEF	OBUS	9.8600e-004	9.5600e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.50	0.60
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	0.35	0.35
tblVehicleEF	OBUS	0.55	0.49
tblVehicleEF	OBUS	5.2050e-003	5.1910e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2200e-004	5.0500e-004
tblVehicleEF	OBUS	9.8600e-004	9.5600e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.57	0.69
tblVehicleEF	OBUS	0.14	0.13
tblVehicleEF	OBUS	0.35	0.35
tblVehicleEF	OBUS	0.58	0.52
tblVehicleEF	SBUS	4.4530e-003	4.6460e-003
tblVehicleEF	SBUS	5.5860e-003	5.8530e-003
tblVehicleEF	SBUS	1.05	1.12
tblVehicleEF	SBUS	2.96	2.66
tblVehicleEF	SBUS	27.16	24.72
tblVehicleEF	SBUS	547.00	552.46
tblVehicleEF	SBUS	1,037.25	1,032.35
tblVehicleEF	SBUS	115.53	115.30
tblVehicleEF	SBUS	5.7400e-004	5.6800e-004
tblVehicleEF	SBUS	7.58	7.35
tblVehicleEF	SBUS	7.03	6.65
tblVehicleEF	SBUS	2.02	1.89
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.57	0.56
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	3.6960e-003	3.2240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.24	0.24
tblVehicleEF	SBUS	2.7470e-003	2.7410e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	2.9910e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.28
tblVehicleEF	SBUS	1.95	1.92
tblVehicleEF	SBUS	1.66	1.48
tblVehicleEF	SBUS	5.7980e-003	5.8560e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7140e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.31
tblVehicleEF	SBUS	1.95	1.92
tblVehicleEF	SBUS	1.77	1.59
tblVehicleEF	SBUS	4.1970e-003	4.3790e-003
tblVehicleEF	SBUS	5.5860e-003	5.8530e-003

tblVehicleEF	SBUS	0.76	0.82
tblVehicleEF	SBUS	3.03	2.73
tblVehicleEF	SBUS	23.01	20.96
tblVehicleEF	SBUS	579.49	585.28
tblVehicleEF	SBUS	1,037.25	1,032.35
tblVehicleEF	SBUS	115.53	115.30
tblVehicleEF	SBUS	5.7400e-004	5.6800e-004
tblVehicleEF	SBUS	7.82	7.58
tblVehicleEF	SBUS	6.62	6.25
tblVehicleEF	SBUS	1.91	1.78
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.57	0.56
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	3.6960e-003	3.2240e-003
tblVehicleEF	SBUS	0.01	9.4430e-003
tblVehicleEF	SBUS	0.24	0.24
tblVehicleEF	SBUS	2.7470e-003	2.7410e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	2.9910e-003
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.30	0.29
tblVehicleEF	SBUS	1.79	1.77
tblVehicleEF	SBUS	1.49	1.33
tblVehicleEF	SBUS	6.1430e-003	6.2040e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6500e-003
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.10	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.34	0.32
tblVehicleEF	SBUS	1.79	1.77
tblVehicleEF	SBUS	1.59	1.42
tblVehicleEF	SBUS	4.8080e-003	5.0160e-003
tblVehicleEF	SBUS	5.5860e-003	5.8530e-003
tblVehicleEF	SBUS	1.45	1.55
tblVehicleEF	SBUS	2.94	2.64
tblVehicleEF	SBUS	27.94	25.44
tblVehicleEF	SBUS	502.12	507.13
tblVehicleEF	SBUS	1,037.25	1,032.35
tblVehicleEF	SBUS	115.53	115.30
tblVehicleEF	SBUS	5.7400e-004	5.6800e-004
tblVehicleEF	SBUS	7.24	7.02
tblVehicleEF	SBUS	6.92	6.54
tblVehicleEF	SBUS	2.04	1.91
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.57	0.56
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	3.6960e-003	3.2240e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.24	0.24



tblVehicleEF	SBUS	2.7470e-003	2.7410e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	2.9910e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.24
tblVehicleEF	SBUS	0.10	0.11
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.29	0.28
tblVehicleEF	SBUS	2.30	2.26
tblVehicleEF	SBUS	1.69	1.52
tblVehicleEF	SBUS	5.3230e-003	5.3760e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7260e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.24
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.33	0.31
tblVehicleEF	SBUS	2.30	2.26
tblVehicleEF	SBUS	1.81	1.62
tblVehicleEF	UBUS	4.38	4.22
tblVehicleEF	UBUS	9.86	9.55
tblVehicleEF	UBUS	1,917.54	1,907.03
tblVehicleEF	UBUS	27.32	27.40
tblVehicleEF	UBUS	2.4830e-003	2.5030e-003
tblVehicleEF	UBUS	10.91	10.49
tblVehicleEF	UBUS	1.17	1.15
tblVehicleEF	UBUS	0.68	0.68

tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	6.0900e-004	5.8900e-004
tblVehicleEF	UBUS	0.29	0.29
tblVehicleEF	UBUS	0.16	0.16
tblVehicleEF	UBUS	5.6400e-004	5.4700e-004
tblVehicleEF	UBUS	5.4570e-003	5.3760e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.0100e-003	2.9670e-003
tblVehicleEF	UBUS	0.72	0.70
tblVehicleEF	UBUS	0.78	0.83
tblVehicleEF	UBUS	0.73	0.71
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	4.7600e-004
tblVehicleEF	UBUS	5.4570e-003	5.3760e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.0100e-003	2.9670e-003
tblVehicleEF	UBUS	0.80	0.78
tblVehicleEF	UBUS	0.78	0.83
tblVehicleEF	UBUS	0.78	0.76
tblVehicleEF	UBUS	4.44	4.28
tblVehicleEF	UBUS	8.28	8.02
tblVehicleEF	UBUS	1,917.54	1,907.03
tblVehicleEF	UBUS	27.32	27.40
tblVehicleEF	UBUS	2.4830e-003	2.5030e-003
tblVehicleEF	UBUS	10.28	9.88
tblVehicleEF	UBUS	1.12	1.10
tblVehicleEF	UBUS	0.68	0.68
tblVehicleEF	UBUS	0.18	0.17

tblVehicleEF	UBUS	6.0900e-004	5.8900e-004
tblVehicleEF	UBUS	0.29	0.29
tblVehicleEF	UBUS	0.16	0.16
tblVehicleEF	UBUS	5.6400e-004	5.4700e-004
tblVehicleEF	UBUS	8.0610e-003	7.9260e-003
tblVehicleEF	UBUS	0.10	0.09
tblVehicleEF	UBUS	4.5490e-003	4.4570e-003
tblVehicleEF	UBUS	0.73	0.71
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	0.65	0.64
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	4.5000e-004
tblVehicleEF	UBUS	8.0610e-003	7.9260e-003
tblVehicleEF	UBUS	0.10	0.09
tblVehicleEF	UBUS	4.5490e-003	4.4570e-003
tblVehicleEF	UBUS	0.81	0.79
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	0.70	0.68
tblVehicleEF	UBUS	4.37	4.21
tblVehicleEF	UBUS	9.99	9.68
tblVehicleEF	UBUS	1,917.54	1,907.03
tblVehicleEF	UBUS	27.32	27.40
tblVehicleEF	UBUS	2.4830e-003	2.5030e-003
tblVehicleEF	UBUS	10.70	10.29
tblVehicleEF	UBUS	1.18	1.15
tblVehicleEF	UBUS	0.68	0.68
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	6.0900e-004	5.8900e-004

tblVehicleEF	UBUS	0.29	0.29
tblVehicleEF	UBUS	0.16	0.16
tblVehicleEF	UBUS	5.6400e-004	5.4700e-004
tblVehicleEF	UBUS	6.2690e-003	6.1660e-003
tblVehicleEF	UBUS	0.12	0.11
tblVehicleEF	UBUS	3.2440e-003	3.1950e-003
tblVehicleEF	UBUS	0.72	0.70
tblVehicleEF	UBUS	0.92	0.97
tblVehicleEF	UBUS	0.73	0.72
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	4.7900e-004
tblVehicleEF	UBUS	6.2690e-003	6.1660e-003
tblVehicleEF	UBUS	0.12	0.11
tblVehicleEF	UBUS	3.2440e-003	3.1950e-003
tblVehicleEF	UBUS	0.80	0.77
tblVehicleEF	UBUS	0.92	0.97
tblVehicleEF	UBUS	0.78	0.77
tblVehicleTrips	ST_TR	1.59	35.00
tblVehicleTrips	SU_TR	1.59	35.00
tblVehicleTrips	WD_TR	1.59	35.00
tblVehicleTrips	WD_TR	6.59	5.88
tblVehicleTrips	WD_TR	27.92	10.64
tblVehicleTrips	WD_TR	56.24	38.41
tblVehicleTrips	WD_TR	42.94	101.19
tblWoodstoves	NumberCatalytic	39.00	0.00
tblWoodstoves	NumberNoncatalytic	39.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 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					
2016	19.5093	163.8386	197.2309	0.3777	23.0128	6.5144	29.5272	7.8547	6.0314	13.8861	0.0000	35,587.17 67	35,587.17 67	3.4059	0.0000	35,658.70 05
2017	38.0558	151.1470	184.8872	0.3774	26.2319	5.9721	32.2040	8.6450	5.5287	14.1737	0.0000	34,737.13 30	34,737.13 30	3.3355	0.0000	34,807.17 77
2018	46.8248	75.0855	140.1807	0.3122	17.7166	3.1320	20.8486	4.7419	2.9241	7.6660	0.0000	26,864.49 25	26,864.49 25	2.1439	0.0000	26,909.51 48
2019	47.6767	136.5386	173.4646	0.4129	23.6533	5.6484	28.4622	8.0279	5.2254	12.4788	0.0000	36,587.85 35	36,587.85 35	3.9613	0.0000	36,671.04 01
2020	15.1353	126.7817	173.0115	0.4369	24.2259	4.4851	28.7110	8.1871	4.1497	12.3367	0.0000	37,858.26 49	37,858.26 49	3.2299	0.0000	37,926.09 28
2021	65.9505	41.8321	107.3338	0.2874	17.5493	1.5040	19.0533	4.6976	1.4115	6.1091	0.0000	22,789.58 39	22,789.58 39	1.2934	0.0000	22,816.74 49
2022	65.4848	37.9452	103.0679	0.2873	17.5493	1.3387	18.8880	4.6976	1.2559	5.9535	0.0000	22,570.15 67	22,570.15 67	1.2636	0.0000	22,596.69 32
<b>Total</b>	<b>298.6370</b>	<b>733.1687</b>	<b>1,079.176 6</b>	<b>2.4917</b>	<b>149.9391</b>	<b>28.5946</b>	<b>177.6943</b>	<b>46.8519</b>	<b>26.5264</b>	<b>72.6038</b>	<b>0.0000</b>	<b>216,994.6 612</b>	<b>216,994.6 612</b>	<b>18.6335</b>	<b>0.0000</b>	<b>217,385.9 640</b>



**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	64.8879	0.7490	64.8110	3.4200e-003		0.3559	0.3559		0.3559	0.3559	0.0000	116.3950	116.3950	0.1144	0.0000	118.7972
Energy	0.8404	7.4592	5.0899	0.0458		0.5807	0.5807		0.5807	0.5807		9,168.3897	9,168.3897	0.1757	0.1681	9,224.1869
Mobile	58.5172	137.4439	589.8664	1.8868	131.0810	2.5774	133.6584	35.0295	2.3777	37.4072		143,001.9016	143,001.9016	4.8759		143,104.2958
<b>Total</b>	<b>124.2455</b>	<b>145.6522</b>	<b>659.7673</b>	<b>1.9361</b>	<b>131.0810</b>	<b>3.5139</b>	<b>134.5949</b>	<b>35.0295</b>	<b>3.3143</b>	<b>38.3438</b>	<b>0.0000</b>	<b>152,286.6863</b>	<b>152,286.6863</b>	<b>5.1660</b>	<b>0.1681</b>	<b>152,447.2799</b>

**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	61.3857	0.6697	56.9957	2.8200e-003		0.3101	0.3101		0.3101	0.3101	0.0000	98.8792	98.8792	0.0869	0.0000	100.7050
Energy	0.7056	6.2626	4.2717	0.0385		0.4875	0.4875		0.4875	0.4875		7,697.8178	7,697.8178	0.1475	0.1411	7,744.6655
Mobile	53.1204	99.4005	459.8599	1.2697	86.8310	1.7747	88.6057	23.2043	1.6375	24.8418		96,203.0437	96,203.0437	3.3728		96,273.8724
<b>Total</b>	<b>115.2117</b>	<b>106.3328</b>	<b>521.1272</b>	<b>1.3110</b>	<b>86.8310</b>	<b>2.5724</b>	<b>89.4033</b>	<b>23.2043</b>	<b>2.4351</b>	<b>25.6395</b>	<b>0.0000</b>	<b>103,999.7407</b>	<b>103,999.7407</b>	<b>3.6073</b>	<b>0.1411</b>	<b>104,119.2428</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.27	27.00	21.01	32.29	33.76	26.79	33.58	33.76	26.53	33.13	0.00	31.71	31.71	30.17	16.04	31.70

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase One: Demolition	Demolition	1/1/2016	4/29/2016	5	86	
2	Phase One: Grading	Grading	3/1/2016	3/31/2017	5	284	
3	Phase One: Building Construction	Building Construction	9/1/2016	4/30/2019	5	694	
4	Phase Two: Paving	Paving	4/3/2017	12/29/2017	5	195	
5	Phase Two: Architectural Coating	Architectural Coating	5/1/2017	10/31/2017	5	132	
6	Phase One: Architectural Coating	Architectural Coating	7/2/2018	10/31/2019	5	349	
7	Phase One: Paving	Paving	11/1/2018	11/29/2019	5	282	
8	Phase Three: Demolition	Demolition	7/1/2019	11/29/2019	5	110	
9	Phase Three: Grading	Grading	10/1/2019	12/31/2019	5	66	
10	Phase Three: Construction	Building Construction	12/2/2019	3/31/2020	5	87	
11	Phase Four: Demolition	Demolition	1/1/2020	6/30/2020	5	130	
12	Phase Four: Grading	Grading	6/1/2020	12/31/2020	5	154	
13	Phase Four: Construction	Building Construction	11/2/2020	2/28/2022	5	346	
14	Phase Four: Architectural Coating	Architectural Coating	9/1/2021	7/29/2022	5	238	
15	Phase Four: Paving	Paving	4/1/2022	7/29/2022	5	86	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0



**Residential Indoor: 475,875; Residential Outdoor: 158,625; Non-Residential Indoor: 150,000; Non-Residential Outdoor: 50,000 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase One:Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase One:Demolition	Excavators	3	8.00	162	0.38
Phase One:Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Phase One: Grading	Excavators	2	8.00	162	0.38
Phase One: Grading	Graders	1	8.00	174	0.41
Phase One: Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase One: Grading	Scrapers	2	8.00	361	0.48
Phase One: Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase One:Building Construction	Cranes	1	7.00	226	0.29
Phase One:Building Construction	Forklifts	3	8.00	89	0.20
Phase One:Building Construction	Generator Sets	1	8.00	84	0.74
Phase One:Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase One:Building Construction	Welders	1	8.00	46	0.45
Phase Two: Paving	Pavers	2	8.00	125	0.42
Phase Two: Paving	Paving Equipment	2	8.00	130	0.36
Phase Two: Paving	Rollers	2	8.00	80	0.38
Phase Two: Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase One:Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase One:Paving	Pavers	2	8.00	125	0.42
Phase One:Paving	Paving Equipment	2	8.00	130	0.36
Phase One:Paving	Rollers	2	8.00	80	0.38
Phase Three: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase Three: Demolition	Excavators	3	8.00	162	0.38
Phase Three: Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Phase Three: Grading	Excavators	2	8.00	162	0.38
Phase Three: Grading	Graders	1	8.00	174	0.41
Phase Three: Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase Three: Grading	Scrapers	2	8.00	361	0.48
Phase Three: Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase Three: Construction	Cranes	1	7.00	226	0.29
Phase Three: Construction	Forklifts	3	8.00	89	0.20
Phase Three: Construction	Generator Sets	1	8.00	84	0.74
Phase Three: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase Three: Construction	Welders	1	8.00	46	0.45
Phase Four: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase Four: Demolition	Excavators	3	8.00	162	0.38
Phase Four: Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Phase Four: Grading	Excavators	2	8.00	162	0.38
Phase Four: Grading	Graders	1	8.00	174	0.41
Phase Four: Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase Four: Grading	Scrapers	2	8.00	361	0.48
Phase Four: Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase Four: Construction	Cranes	1	7.00	226	0.29
Phase Four: Construction	Forklifts	3	8.00	89	0.20
Phase Four: Construction	Generator Sets	1	8.00	84	0.74
Phase Four: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase Four: Construction	Welders	1	8.00	46	0.45
Phase Four: Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase Four: Paving	Pavers	2	8.00	125	0.42
Phase Four: Paving	Paving Equipment	2	8.00	130	0.36
Phase Four: Paving	Rollers	2	8.00	80	0.38

**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
Phase One:Demolition	6	15.00	0.00	1,892.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase One: Grading	8	20.00	0.00	22,500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase One:Building Construction	9	1,143.00	354.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Two: Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Two: Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase One:Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase One:Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Three: Demolition	6	15.00	0.00	628.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Three: Grading	8	20.00	0.00	8,525.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Three: Construction	9	1,143.00	354.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four:Demolition	6	15.00	0.00	1,287.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Grading	8	20.00	0.00	25,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Construction	9	1,143.00	354.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

**3.2 Phase One:Demolition - 2016**

**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					4.7615	0.0000	4.7615	0.7209	0.0000	0.7209			0.0000			0.0000
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4
<b>Total</b>	<b>4.2876</b>	<b>45.6559</b>	<b>35.0303</b>	<b>0.0399</b>	<b>4.7615</b>	<b>2.2921</b>	<b>7.0537</b>	<b>0.7209</b>	<b>2.1365</b>	<b>2.8575</b>		<b>4,089.284 1</b>	<b>4,089.284 1</b>	<b>1.1121</b>		<b>4,112.637 4</b>

**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	0.3976	6.2495	4.8898	0.0162	0.3833	0.0960	0.4793	0.1050	0.0883	0.1932		1,631.046 4	1,631.046 4	0.0118		1,631.293 6
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	0.0640	0.0860	0.8984	1.9900e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		167.3573	167.3573	9.1500e-003		167.5495
<b>Total</b>	<b>0.4616</b>	<b>6.3355</b>	<b>5.7881</b>	<b>0.0182</b>	<b>0.5510</b>	<b>0.0974</b>	<b>0.6484</b>	<b>0.1494</b>	<b>0.0896</b>	<b>0.2390</b>		<b>1,798.403 7</b>	<b>1,798.403 7</b>	<b>0.0209</b>		<b>1,798.843 2</b>

**3.2 Phase One:Demolition - 2016**

**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					2.1427	0.0000	2.1427	0.3244	0.0000	0.3244			0.0000			0.0000
Off-Road	0.4739	2.0535	23.8257	0.0399		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003	0.0000	4,089.2841	4,089.2841	1.1121		4,112.6374
<b>Total</b>	<b>0.4739</b>	<b>2.0535</b>	<b>23.8257</b>	<b>0.0399</b>	<b>2.1427</b>	<b>9.4800e-003</b>	<b>2.1522</b>	<b>0.3244</b>	<b>9.4800e-003</b>	<b>0.3339</b>	<b>0.0000</b>	<b>4,089.2841</b>	<b>4,089.2841</b>	<b>1.1121</b>		<b>4,112.6374</b>

**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	0.3976	6.2495	4.8898	0.0162	0.3833	0.0960	0.4793	0.1050	0.0883	0.1932		1,631.0464	1,631.0464	0.0118		1,631.2936
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	0.0640	0.0860	0.8984	1.9900e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		167.3573	167.3573	9.1500e-003		167.5495
<b>Total</b>	<b>0.4616</b>	<b>6.3355</b>	<b>5.7881</b>	<b>0.0182</b>	<b>0.5510</b>	<b>0.0974</b>	<b>0.6484</b>	<b>0.1494</b>	<b>0.0896</b>	<b>0.2390</b>		<b>1,798.4037</b>	<b>1,798.4037</b>	<b>0.0209</b>		<b>1,798.8432</b>

**3.3 Phase One: Grading - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1095	0.0000	6.1095	3.3228	0.0000	3.3228			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
<b>Total</b>	<b>6.4795</b>	<b>74.8137</b>	<b>49.1374</b>	<b>0.0617</b>	<b>6.1095</b>	<b>3.5842</b>	<b>9.6937</b>	<b>3.3228</b>	<b>3.2975</b>	<b>6.6203</b>		<b>6,414.9807</b>	<b>6,414.9807</b>	<b>1.9350</b>		<b>6,455.6154</b>

**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	1.4317	22.5054	17.6088	0.0583	1.6913	0.3456	2.0369	0.4543	0.3179	0.7722		5,873.6466	5,873.6466	0.0424		5,874.5369
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	0.0853	0.1147	1.1978	2.6500e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		223.1431	223.1431	0.0122		223.3994
<b>Total</b>	<b>1.5170</b>	<b>22.6200</b>	<b>18.8066</b>	<b>0.0610</b>	<b>1.9149</b>	<b>0.3474</b>	<b>2.2623</b>	<b>0.5136</b>	<b>0.3196</b>	<b>0.8332</b>		<b>6,096.7896</b>	<b>6,096.7896</b>	<b>0.0546</b>		<b>6,097.9363</b>

**3.3 Phase One: Grading - 2016**

**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					2.7493	0.0000	2.7493	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.0151	0.0151		0.0151	0.0151	0.0000	6,414.9807	6,414.9807	1.9350		6,455.6154
<b>Total</b>	<b>0.7564</b>	<b>3.2778</b>	<b>34.7787</b>	<b>0.0617</b>	<b>2.7493</b>	<b>0.0151</b>	<b>2.7644</b>	<b>1.4953</b>	<b>0.0151</b>	<b>1.5104</b>	<b>0.0000</b>	<b>6,414.9807</b>	<b>6,414.9807</b>	<b>1.9350</b>		<b>6,455.6154</b>

**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	1.4317	22.5054	17.6088	0.0583	1.6913	0.3456	2.0369	0.4543	0.3179	0.7722		5,873.6466	5,873.6466	0.0424		5,874.5369
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	0.0853	0.1147	1.1978	2.6500e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		223.1431	223.1431	0.0122		223.3994
<b>Total</b>	<b>1.5170</b>	<b>22.6200</b>	<b>18.8066</b>	<b>0.0610</b>	<b>1.9149</b>	<b>0.3474</b>	<b>2.2623</b>	<b>0.5136</b>	<b>0.3196</b>	<b>0.8332</b>		<b>6,096.7896</b>	<b>6,096.7896</b>	<b>0.0546</b>		<b>6,097.9363</b>

**3.3 Phase One: Grading - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1095	0.0000	6.1095	3.3228	0.0000	3.3228			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.1095</b>	<b>3.3172</b>	<b>9.4266</b>	<b>3.3228</b>	<b>3.0518</b>	<b>6.3746</b>		<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</b>

**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	1.3474	20.6264	16.9960	0.0582	4.9098	0.3158	5.2255	1.2443	0.2905	1.5348		5,777.2137	5,777.2137	0.0415		5,778.0859
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	0.0765	0.1035	1.0796	2.6500e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		214.5722	214.5722	0.0113		214.8087
<b>Total</b>	<b>1.4239</b>	<b>20.7299</b>	<b>18.0756</b>	<b>0.0609</b>	<b>5.1333</b>	<b>0.3176</b>	<b>5.4509</b>	<b>1.3036</b>	<b>0.2921</b>	<b>1.5958</b>		<b>5,991.7859</b>	<b>5,991.7859</b>	<b>0.0528</b>		<b>5,992.8946</b>



### 3.3 Phase One: Grading - 2017

#### 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					2.7493	0.0000	2.7493	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.0151	0.0151		0.0151	0.0151	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>0.7564</b>	<b>3.2778</b>	<b>34.7787</b>	<b>0.0617</b>	<b>2.7493</b>	<b>0.0151</b>	<b>2.7644</b>	<b>1.4953</b>	<b>0.0151</b>	<b>1.5104</b>	<b>0.0000</b>	<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</b>

#### 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	1.3474	20.6264	16.9960	0.0582	4.9098	0.3158	5.2255	1.2443	0.2905	1.5348		5,777.2137	5,777.2137	0.0415		5,778.0859
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	0.0765	0.1035	1.0796	2.6500e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		214.5722	214.5722	0.0113		214.8087
<b>Total</b>	<b>1.4239</b>	<b>20.7299</b>	<b>18.0756</b>	<b>0.0609</b>	<b>5.1333</b>	<b>0.3176</b>	<b>5.4509</b>	<b>1.3036</b>	<b>0.2921</b>	<b>1.5958</b>		<b>5,991.7859</b>	<b>5,991.7859</b>	<b>0.0528</b>		<b>5,992.8946</b>

### 3.4 Phase One: Building Construction - 2016

#### 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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>		<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>		<b>2,683.1890</b>

#### 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	3.2313	31.3458	42.3245	0.0764	2.2124	0.5086	2.7210	0.6301	0.4677	1.0978		7,653.4946	7,653.4946	0.0567		7,654.6859
Worker	4.8753	6.5528	68.4557	0.1517	12.7760	0.1068	12.8828	3.3883	0.0982	3.4864		12,752.6253	12,752.6253	0.6976		12,767.2738
<b>Total</b>	<b>8.1066</b>	<b>37.8985</b>	<b>110.7802</b>	<b>0.2282</b>	<b>14.9885</b>	<b>0.6153</b>	<b>15.6038</b>	<b>4.0183</b>	<b>0.5658</b>	<b>4.5842</b>		<b>20,406.1199</b>	<b>20,406.1199</b>	<b>0.7543</b>		<b>20,421.9598</b>

### 3.4 Phase One: Building Construction - 2016

#### 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	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>		<b>2,683.1890</b>

#### 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	3.2313	31.3458	42.3245	0.0764	2.2124	0.5086	2.7210	0.6301	0.4677	1.0978		7,653.4946	7,653.4946	0.0567		7,654.6859
Worker	4.8753	6.5528	68.4557	0.1517	12.7760	0.1068	12.8828	3.3883	0.0982	3.4864		12,752.6253	12,752.6253	0.6976		12,767.2738
<b>Total</b>	<b>8.1066</b>	<b>37.8985</b>	<b>110.7802</b>	<b>0.2282</b>	<b>14.9885</b>	<b>0.6153</b>	<b>15.6038</b>	<b>4.0183</b>	<b>0.5658</b>	<b>4.5842</b>		<b>20,406.1199</b>	<b>20,406.1199</b>	<b>0.7543</b>		<b>20,421.9598</b>

### 3.4 Phase One: Building Construction - 2017

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### 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	2.9506	28.5049	40.1784	0.0764	2.2131	0.4534	2.6665	0.6304	0.4170	1.0473		7,529.3734	7,529.3734	0.0549		7,530.5264
Worker	4.3711	5.9145	61.6991	0.1516	12.7760	0.1027	12.8788	3.3883	0.0948	3.4830		12,262.7995	12,262.7995	0.6437		12,276.3161
<b>Total</b>	<b>7.3218</b>	<b>34.4194</b>	<b>101.8775</b>	<b>0.2280</b>	<b>14.9892</b>	<b>0.5561</b>	<b>15.5453</b>	<b>4.0186</b>	<b>0.5117</b>	<b>4.5303</b>		<b>19,792.1728</b>	<b>19,792.1728</b>	<b>0.6986</b>		<b>19,806.8426</b>

### 3.4 Phase One: Building Construction - 2017

#### 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	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>		<b>2,653.4490</b>

#### 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	2.9506	28.5049	40.1784	0.0764	2.2131	0.4534	2.6665	0.6304	0.4170	1.0473		7,529.3734	7,529.3734	0.0549		7,530.5264
Worker	4.3711	5.9145	61.6991	0.1516	12.7760	0.1027	12.8788	3.3883	0.0948	3.4830		12,262.7995	12,262.7995	0.6437		12,276.3161
<b>Total</b>	<b>7.3218</b>	<b>34.4194</b>	<b>101.8775</b>	<b>0.2280</b>	<b>14.9892</b>	<b>0.5561</b>	<b>15.5453</b>	<b>4.0186</b>	<b>0.5117</b>	<b>4.5303</b>		<b>19,792.1728</b>	<b>19,792.1728</b>	<b>0.6986</b>		<b>19,806.8426</b>

### 3.4 Phase One: Building Construction - 2018

#### 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
<b>Total</b>	<b>2.6687</b>	<b>23.2608</b>	<b>17.5327</b>	<b>0.0268</b>		<b>1.4943</b>	<b>1.4943</b>		<b>1.4048</b>	<b>1.4048</b>		<b>2,609.9390</b>	<b>2,609.9390</b>	<b>0.6387</b>		<b>2,623.3517</b>

#### 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	2.7576	26.1476	38.5536	0.0762	2.2132	0.4272	2.6404	0.6304	0.3929	1.0233		7,402.8932	7,402.8932	0.0546		7,404.0400
Worker	3.9309	5.3636	55.8281	0.1515	12.7760	0.1000	12.8760	3.3883	0.0925	3.4808		11,804.9092	11,804.9092	0.5974		11,817.4538
<b>Total</b>	<b>6.6885</b>	<b>31.5112</b>	<b>94.3816</b>	<b>0.2278</b>	<b>14.9892</b>	<b>0.5272</b>	<b>15.5164</b>	<b>4.0186</b>	<b>0.4855</b>	<b>4.5041</b>		<b>19,207.8024</b>	<b>19,207.8024</b>	<b>0.6520</b>		<b>19,221.4937</b>

### 3.4 Phase One: Building Construction - 2018

#### 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	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,609.9389</b>	<b>2,609.9389</b>	<b>0.6387</b>		<b>2,623.3517</b>

#### 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	2.7576	26.1476	38.5536	0.0762	2.2132	0.4272	2.6404	0.6304	0.3929	1.0233		7,402.8932	7,402.8932	0.0546		7,404.0400
Worker	3.9309	5.3636	55.8281	0.1515	12.7760	0.1000	12.8760	3.3883	0.0925	3.4808		11,804.9092	11,804.9092	0.5974		11,817.4538
<b>Total</b>	<b>6.6885</b>	<b>31.5112</b>	<b>94.3816</b>	<b>0.2278</b>	<b>14.9892</b>	<b>0.5272</b>	<b>15.5164</b>	<b>4.0186</b>	<b>0.4855</b>	<b>4.5041</b>		<b>19,207.8024</b>	<b>19,207.8024</b>	<b>0.6520</b>		<b>19,221.4937</b>

### 3.4 Phase One: Building Construction - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>		<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</b>

#### 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	2.6064	24.1004	37.2869	0.0760	2.2134	0.4052	2.6186	0.6304	0.3728	1.0032		7,258.7979	7,258.7979	0.0536		7,259.9237
Worker	3.6148	4.9183	51.1678	0.1512	12.7760	0.0982	12.8743	3.3883	0.0911	3.4793		11,355.5241	11,355.5241	0.5592		11,367.2669
<b>Total</b>	<b>6.2212</b>	<b>29.0187</b>	<b>88.4547</b>	<b>0.2272</b>	<b>14.9894</b>	<b>0.5034</b>	<b>15.4928</b>	<b>4.0187</b>	<b>0.4638</b>	<b>4.4825</b>		<b>18,614.3220</b>	<b>18,614.3220</b>	<b>0.6128</b>		<b>18,627.1907</b>



### 3.4 Phase One: Building Construction - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</b>

#### 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	2.6064	24.1004	37.2869	0.0760	2.2134	0.4052	2.6186	0.6304	0.3728	1.0032		7,258.7979	7,258.7979	0.0536		7,259.9237
Worker	3.6148	4.9183	51.1678	0.1512	12.7760	0.0982	12.8743	3.3883	0.0911	3.4793		11,355.5241	11,355.5241	0.5592		11,367.2669
<b>Total</b>	<b>6.2212</b>	<b>29.0187</b>	<b>88.4547</b>	<b>0.2272</b>	<b>14.9894</b>	<b>0.5034</b>	<b>15.4928</b>	<b>4.0187</b>	<b>0.4638</b>	<b>4.4825</b>		<b>18,614.3220</b>	<b>18,614.3220</b>	<b>0.6128</b>		<b>18,627.1907</b>

**3.5 Phase Two: Paving - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.9074</b>	<b>20.2964</b>	<b>14.7270</b>	<b>0.0223</b>		<b>1.1384</b>	<b>1.1384</b>		<b>1.0473</b>	<b>1.0473</b>		<b>2,281.0588</b>	<b>2,281.0588</b>	<b>0.6989</b>		<b>2,295.7360</b>

**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	0.0574	0.0776	0.8097	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9291	160.9291	8.4500e-003		161.1065
<b>Total</b>	<b>0.0574</b>	<b>0.0776</b>	<b>0.8097</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>160.9291</b>	<b>160.9291</b>	<b>8.4500e-003</b>		<b>161.1065</b>

### 3.5 Phase Two: Paving - 2017

#### 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	0.2745	1.1895	16.9276	0.0223		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2745</b>	<b>1.1895</b>	<b>16.9276</b>	<b>0.0223</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>0.0000</b>	<b>2,281.0588</b>	<b>2,281.0588</b>	<b>0.6989</b>		<b>2,295.7360</b>

#### 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	0.0574	0.0776	0.8097	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9291	160.9291	8.4500e-003		161.1065
<b>Total</b>	<b>0.0574</b>	<b>0.0776</b>	<b>0.8097</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>160.9291</b>	<b>160.9291</b>	<b>8.4500e-003</b>		<b>161.1065</b>

### 3.6 Phase Two: Architectural Coating - 2017

#### 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	24.4588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
<b>Total</b>	<b>24.7912</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>		<b>282.0721</b>

#### 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	0.8758	1.1850	12.3614	0.0304	2.5597	0.0206	2.5803	0.6788	0.0190	0.6978		2,456.8513	2,456.8513	0.1290		2,459.5594
<b>Total</b>	<b>0.8758</b>	<b>1.1850</b>	<b>12.3614</b>	<b>0.0304</b>	<b>2.5597</b>	<b>0.0206</b>	<b>2.5803</b>	<b>0.6788</b>	<b>0.0190</b>	<b>0.6978</b>		<b>2,456.8513</b>	<b>2,456.8513</b>	<b>0.1290</b>		<b>2,459.5594</b>

### 3.6 Phase Two: Architectural Coating - 2017

#### 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	24.4588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0297		282.0721
<b>Total</b>	<b>24.4886</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>		<b>282.0721</b>

#### 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	0.8758	1.1850	12.3614	0.0304	2.5597	0.0206	2.5803	0.6788	0.0190	0.6978		2,456.8513	2,456.8513	0.1290		2,459.5594
<b>Total</b>	<b>0.8758</b>	<b>1.1850</b>	<b>12.3614</b>	<b>0.0304</b>	<b>2.5597</b>	<b>0.0206</b>	<b>2.5803</b>	<b>0.6788</b>	<b>0.0190</b>	<b>0.6978</b>		<b>2,456.8513</b>	<b>2,456.8513</b>	<b>0.1290</b>		<b>2,459.5594</b>

### 3.7 Phase One:Architectural Coating - 2018

#### 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	34.7184					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>35.0170</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

#### 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	0.7876	1.0746	11.1852	0.0304	2.5597	0.0200	2.5797	0.6788	0.0185	0.6974		2,365.1131	2,365.1131	0.1197		2,367.6264
<b>Total</b>	<b>0.7876</b>	<b>1.0746</b>	<b>11.1852</b>	<b>0.0304</b>	<b>2.5597</b>	<b>0.0200</b>	<b>2.5797</b>	<b>0.6788</b>	<b>0.0185</b>	<b>0.6974</b>		<b>2,365.1131</b>	<b>2,365.1131</b>	<b>0.1197</b>		<b>2,367.6264</b>

### 3.7 Phase One:Architectural Coating - 2018

#### 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	34.7184					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>34.7481</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

#### 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	0.7876	1.0746	11.1852	0.0304	2.5597	0.0200	2.5797	0.6788	0.0185	0.6974		2,365.1131	2,365.1131	0.1197		2,367.6264
<b>Total</b>	<b>0.7876</b>	<b>1.0746</b>	<b>11.1852</b>	<b>0.0304</b>	<b>2.5597</b>	<b>0.0200</b>	<b>2.5797</b>	<b>0.6788</b>	<b>0.0185</b>	<b>0.6974</b>		<b>2,365.1131</b>	<b>2,365.1131</b>	<b>0.1197</b>		<b>2,367.6264</b>

**3.7 Phase One:Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.7184					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
<b>Total</b>	<b>34.9849</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>281.9473</b>

**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	0.7242	0.9854	10.2515	0.0303	2.5597	0.0197	2.5794	0.6788	0.0182	0.6971		2,275.0788	2,275.0788	0.1120		2,277.4314
<b>Total</b>	<b>0.7242</b>	<b>0.9854</b>	<b>10.2515</b>	<b>0.0303</b>	<b>2.5597</b>	<b>0.0197</b>	<b>2.5794</b>	<b>0.6788</b>	<b>0.0182</b>	<b>0.6971</b>		<b>2,275.0788</b>	<b>2,275.0788</b>	<b>0.1120</b>		<b>2,277.4314</b>



### 3.7 Phase One:Architectural Coating - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.7184					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0238		281.9473
<b>Total</b>	<b>34.7481</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>281.9473</b>

#### 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	0.7242	0.9854	10.2515	0.0303	2.5597	0.0197	2.5794	0.6788	0.0182	0.6971		2,275.0788	2,275.0788	0.1120		2,277.4314
<b>Total</b>	<b>0.7242</b>	<b>0.9854</b>	<b>10.2515</b>	<b>0.0303</b>	<b>2.5597</b>	<b>0.0197</b>	<b>2.5794</b>	<b>0.6788</b>	<b>0.0182</b>	<b>0.6971</b>		<b>2,275.0788</b>	<b>2,275.0788</b>	<b>0.1120</b>		<b>2,277.4314</b>

### 3.8 Phase One:Paving - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.6114</b>	<b>17.1628</b>	<b>14.4944</b>	<b>0.0223</b>		<b>0.9386</b>	<b>0.9386</b>		<b>0.8635</b>	<b>0.8635</b>		<b>2,245.2695</b>	<b>2,245.2695</b>	<b>0.6990</b>		<b>2,259.9481</b>

#### 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	0.0516	0.0704	0.7327	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		154.9201	154.9201	7.8400e-003		155.0847
<b>Total</b>	<b>0.0516</b>	<b>0.0704</b>	<b>0.7327</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.3100e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2100e-003</b>	<b>0.0457</b>		<b>154.9201</b>	<b>154.9201</b>	<b>7.8400e-003</b>		<b>155.0847</b>

### 3.8 Phase One:Paving - 2018

#### 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	0.2745	1.1895	16.9276	0.0223		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2745</b>	<b>1.1895</b>	<b>16.9276</b>	<b>0.0223</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>0.0000</b>	<b>2,245.2695</b>	<b>2,245.2695</b>	<b>0.6990</b>		<b>2,259.9481</b>

#### 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	0.0516	0.0704	0.7327	1.9900e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		154.9201	154.9201	7.8400e-003		155.0847
<b>Total</b>	<b>0.0516</b>	<b>0.0704</b>	<b>0.7327</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.3100e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2100e-003</b>	<b>0.0457</b>		<b>154.9201</b>	<b>154.9201</b>	<b>7.8400e-003</b>		<b>155.0847</b>

**3.8 Phase One:Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4259</b>	<b>14.9353</b>	<b>14.3652</b>	<b>0.0223</b>		<b>0.8094</b>	<b>0.8094</b>		<b>0.7447</b>	<b>0.7447</b>		<b>2,208.9731</b>	<b>2,208.9731</b>	<b>0.6989</b>		<b>2,223.6499</b>

**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	0.0474	0.0645	0.6715	1.9800e-003	0.1677	1.2900e-003	0.1690	0.0445	1.1900e-003	0.0457		149.0226	149.0226	7.3400e-003		149.1767
<b>Total</b>	<b>0.0474</b>	<b>0.0645</b>	<b>0.6715</b>	<b>1.9800e-003</b>	<b>0.1677</b>	<b>1.2900e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.1900e-003</b>	<b>0.0457</b>		<b>149.0226</b>	<b>149.0226</b>	<b>7.3400e-003</b>		<b>149.1767</b>

**3.8 Phase One:Paving - 2019****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2745	1.1895	16.9276	0.0223		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2745</b>	<b>1.1895</b>	<b>16.9276</b>	<b>0.0223</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>0.0000</b>	<b>2,208.9731</b>	<b>2,208.9731</b>	<b>0.6989</b>		<b>2,223.6499</b>

**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	0.0474	0.0645	0.6715	1.9800e-003	0.1677	1.2900e-003	0.1690	0.0445	1.1900e-003	0.0457		149.0226	149.0226	7.3400e-003		149.1767
<b>Total</b>	<b>0.0474</b>	<b>0.0645</b>	<b>0.6715</b>	<b>1.9800e-003</b>	<b>0.1677</b>	<b>1.2900e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.1900e-003</b>	<b>0.0457</b>		<b>149.0226</b>	<b>149.0226</b>	<b>7.3400e-003</b>		<b>149.1767</b>

**3.9 Phase Three: Demolition - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2349	0.0000	1.2349	0.1870	0.0000	0.1870			0.0000			0.0000
Off-Road	3.3224	33.9413	30.8050	0.0399		1.6448	1.6448		1.5316	1.5316		3,929.2327	3,929.2327	1.0974		3,952.2774
<b>Total</b>	<b>3.3224</b>	<b>33.9413</b>	<b>30.8050</b>	<b>0.0399</b>	<b>1.2349</b>	<b>1.6448</b>	<b>2.8797</b>	<b>0.1870</b>	<b>1.5316</b>	<b>1.7185</b>		<b>3,929.2327</b>	<b>3,929.2327</b>	<b>1.0974</b>		<b>3,952.2774</b>

**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	0.0919	1.2880	1.1804	4.1800e-003	0.0995	0.0227	0.1222	0.0273	0.0209	0.0482		401.4527	401.4527	3.0100e-003		401.5160
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	0.0474	0.0645	0.6715	1.9800e-003	0.1677	1.2900e-003	0.1690	0.0445	1.1900e-003	0.0457		149.0226	149.0226	7.3400e-003		149.1767
<b>Total</b>	<b>0.1393</b>	<b>1.3525</b>	<b>1.8519</b>	<b>6.1600e-003</b>	<b>0.2672</b>	<b>0.0240</b>	<b>0.2912</b>	<b>0.0717</b>	<b>0.0221</b>	<b>0.0938</b>		<b>550.4753</b>	<b>550.4753</b>	<b>0.0104</b>		<b>550.6927</b>

**3.9 Phase Three: Demolition - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5557	0.0000	0.5557	0.0841	0.0000	0.0841			0.0000			0.0000
Off-Road	0.4739	2.0535	23.8257	0.0399		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003	0.0000	3,929.2327	3,929.2327	1.0974		3,952.2774
<b>Total</b>	<b>0.4739</b>	<b>2.0535</b>	<b>23.8257</b>	<b>0.0399</b>	<b>0.5557</b>	<b>9.4800e-003</b>	<b>0.5652</b>	<b>0.0841</b>	<b>9.4800e-003</b>	<b>0.0936</b>	<b>0.0000</b>	<b>3,929.2327</b>	<b>3,929.2327</b>	<b>1.0974</b>		<b>3,952.2774</b>

**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	0.0919	1.2880	1.1804	4.1800e-003	0.0995	0.0227	0.1222	0.0273	0.0209	0.0482		401.4527	401.4527	3.0100e-003		401.5160
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	0.0474	0.0645	0.6715	1.9800e-003	0.1677	1.2900e-003	0.1690	0.0445	1.1900e-003	0.0457		149.0226	149.0226	7.3400e-003		149.1767
<b>Total</b>	<b>0.1393</b>	<b>1.3525</b>	<b>1.8519</b>	<b>6.1600e-003</b>	<b>0.2672</b>	<b>0.0240</b>	<b>0.2912</b>	<b>0.0717</b>	<b>0.0221</b>	<b>0.0938</b>		<b>550.4753</b>	<b>550.4753</b>	<b>0.0104</b>		<b>550.6927</b>

**3.10 Phase Three: Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1888	0.0000	6.1888	3.3333	0.0000	3.3333			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.312 1	6,111.312 1	1.9336		6,151.916 7
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.1888</b>	<b>2.5049</b>	<b>8.6937</b>	<b>3.3333</b>	<b>2.3045</b>	<b>5.6378</b>		<b>6,111.312 1</b>	<b>6,111.312 1</b>	<b>1.9336</b>		<b>6,151.916 7</b>

**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	2.0782	29.1403	26.7055	0.0945	2.2516	0.5138	2.7654	0.6166	0.4727	1.0893		9,082.760 8	9,082.760 8	0.0682		9,084.192 4
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	0.0633	0.0861	0.8953	2.6500e-003	0.2236	1.7200e-003	0.2253	0.0593	1.5900e-003	0.0609		198.6968	198.6968	9.7800e-003		198.9023
<b>Total</b>	<b>2.1415</b>	<b>29.2264</b>	<b>27.6008</b>	<b>0.0972</b>	<b>2.4751</b>	<b>0.5156</b>	<b>2.9907</b>	<b>0.6759</b>	<b>0.4743</b>	<b>1.1502</b>		<b>9,281.457 6</b>	<b>9,281.457 6</b>	<b>0.0780</b>		<b>9,283.094 7</b>



**3.10 Phase Three: Grading - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7849	0.0000	2.7849	1.5000	0.0000	1.5000			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.0151	0.0151		0.0151	0.0151	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7
<b>Total</b>	<b>0.7564</b>	<b>3.2778</b>	<b>34.7787</b>	<b>0.0617</b>	<b>2.7849</b>	<b>0.0151</b>	<b>2.8001</b>	<b>1.5000</b>	<b>0.0151</b>	<b>1.5151</b>	<b>0.0000</b>	<b>6,111.312 1</b>	<b>6,111.312 1</b>	<b>1.9336</b>		<b>6,151.916 7</b>

**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	2.0782	29.1403	26.7055	0.0945	2.2516	0.5138	2.7654	0.6166	0.4727	1.0893		9,082.760 8	9,082.760 8	0.0682		9,084.192 4
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	0.0633	0.0861	0.8953	2.6500e-003	0.2236	1.7200e-003	0.2253	0.0593	1.5900e-003	0.0609		198.6968	198.6968	9.7800e-003		198.9023
<b>Total</b>	<b>2.1415</b>	<b>29.2264</b>	<b>27.6008</b>	<b>0.0972</b>	<b>2.4751</b>	<b>0.5156</b>	<b>2.9907</b>	<b>0.6759</b>	<b>0.4743</b>	<b>1.1502</b>		<b>9,281.457 6</b>	<b>9,281.457 6</b>	<b>0.0780</b>		<b>9,283.094 7</b>

**3.11 Phase Three: Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>		<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</b>

**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	2.6064	24.1004	37.2869	0.0760	2.2134	0.4052	2.6186	0.6304	0.3728	1.0032		7,258.7979	7,258.7979	0.0536		7,259.9237
Worker	3.6148	4.9183	51.1678	0.1512	12.7760	0.0982	12.8743	3.3883	0.0911	3.4793		11,355.5241	11,355.5241	0.5592		11,367.2669
<b>Total</b>	<b>6.2212</b>	<b>29.0187</b>	<b>88.4547</b>	<b>0.2272</b>	<b>14.9894</b>	<b>0.5034</b>	<b>15.4928</b>	<b>4.0187</b>	<b>0.4638</b>	<b>4.4825</b>		<b>18,614.3220</b>	<b>18,614.3220</b>	<b>0.6128</b>		<b>18,627.1907</b>

**3.11 Phase Three: Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</b>

**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	2.6064	24.1004	37.2869	0.0760	2.2134	0.4052	2.6186	0.6304	0.3728	1.0032		7,258.7979	7,258.7979	0.0536		7,259.9237
Worker	3.6148	4.9183	51.1678	0.1512	12.7760	0.0982	12.8743	3.3883	0.0911	3.4793		11,355.5241	11,355.5241	0.5592		11,367.2669
<b>Total</b>	<b>6.2212</b>	<b>29.0187</b>	<b>88.4547</b>	<b>0.2272</b>	<b>14.9894</b>	<b>0.5034</b>	<b>15.4928</b>	<b>4.0187</b>	<b>0.4638</b>	<b>4.4825</b>		<b>18,614.3220</b>	<b>18,614.3220</b>	<b>0.6128</b>		<b>18,627.1907</b>

**3.11 Phase Three: 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>		<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</b>

**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	2.4711	21.0238	36.2044	0.0759	2.2136	0.3707	2.5843	0.6305	0.3411	0.9716		7,095.2018	7,095.2018	0.0526		7,096.3052
Worker	3.3871	4.5574	47.5953	0.1512	12.7760	0.0976	12.8737	3.3883	0.0905	3.4788		10,894.1068	10,894.1068	0.5296		10,905.2280
<b>Total</b>	<b>5.8582</b>	<b>25.5811</b>	<b>83.7997</b>	<b>0.2270</b>	<b>14.9896</b>	<b>0.4684</b>	<b>15.4580</b>	<b>4.0188</b>	<b>0.4316</b>	<b>4.4504</b>		<b>17,989.3085</b>	<b>17,989.3085</b>	<b>0.5821</b>		<b>18,001.5333</b>

**3.11 Phase Three: Construction - 2020**

**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	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</b>

**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	2.4711	21.0238	36.2044	0.0759	2.2136	0.3707	2.5843	0.6305	0.3411	0.9716		7,095.2018	7,095.2018	0.0526		7,096.3052
Worker	3.3871	4.5574	47.5953	0.1512	12.7760	0.0976	12.8737	3.3883	0.0905	3.4788		10,894.1068	10,894.1068	0.5296		10,905.2280
<b>Total</b>	<b>5.8582</b>	<b>25.5811</b>	<b>83.7997</b>	<b>0.2270</b>	<b>14.9896</b>	<b>0.4684</b>	<b>15.4580</b>	<b>4.0188</b>	<b>0.4316</b>	<b>4.4504</b>		<b>17,989.3085</b>	<b>17,989.3085</b>	<b>0.5821</b>		<b>18,001.5333</b>

**3.12 Phase Four: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					2.1429	0.0000	2.1429	0.3245	0.0000	0.3245			0.0000			0.0000
Off-Road	3.0964	31.0154	29.6099	0.0400		1.4899	1.4899		1.3865	1.3865		3,857.1420	3,857.1420	1.0933		3,880.1021
<b>Total</b>	<b>3.0964</b>	<b>31.0154</b>	<b>29.6099</b>	<b>0.0400</b>	<b>2.1429</b>	<b>1.4899</b>	<b>3.6327</b>	<b>0.3245</b>	<b>1.3865</b>	<b>1.7110</b>		<b>3,857.1420</b>	<b>3,857.1420</b>	<b>1.0933</b>		<b>3,880.1021</b>

**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	0.1559	1.9913	2.0213	7.2400e-003	0.1726	0.0391	0.2116	0.0473	0.0359	0.0832		680.4683	680.4683	5.2300e-003		680.5781
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	0.0598	0.6246	1.9800e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		142.9673	142.9673	6.9500e-003		143.1132
<b>Total</b>	<b>0.2004</b>	<b>2.0511</b>	<b>2.6459</b>	<b>9.2200e-003</b>	<b>0.3403</b>	<b>0.0403</b>	<b>0.3806</b>	<b>0.0917</b>	<b>0.0371</b>	<b>0.1288</b>		<b>823.4356</b>	<b>823.4356</b>	<b>0.0122</b>		<b>823.6914</b>

**3.12 Phase Four:Demolition - 2020****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					0.9643	0.0000	0.9643	0.1460	0.0000	0.1460			0.0000			0.0000
Off-Road	0.4739	2.0535	23.8257	0.0400		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003	0.0000	3,857.1420	3,857.1420	1.0933		3,880.1021
<b>Total</b>	<b>0.4739</b>	<b>2.0535</b>	<b>23.8257</b>	<b>0.0400</b>	<b>0.9643</b>	<b>9.4800e-003</b>	<b>0.9738</b>	<b>0.1460</b>	<b>9.4800e-003</b>	<b>0.1555</b>	<b>0.0000</b>	<b>3,857.1420</b>	<b>3,857.1420</b>	<b>1.0933</b>		<b>3,880.1021</b>

**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	0.1559	1.9913	2.0213	7.2400e-003	0.1726	0.0391	0.2116	0.0473	0.0359	0.0832		680.4683	680.4683	5.2300e-003		680.5781
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	0.0598	0.6246	1.9800e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		142.9673	142.9673	6.9500e-003		143.1132
<b>Total</b>	<b>0.2004</b>	<b>2.0511</b>	<b>2.6459</b>	<b>9.2200e-003</b>	<b>0.3403</b>	<b>0.0403</b>	<b>0.3806</b>	<b>0.0917</b>	<b>0.0371</b>	<b>0.1288</b>		<b>823.4356</b>	<b>823.4356</b>	<b>0.0122</b>		<b>823.6914</b>

**3.13 Phase Four: 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					6.1827	0.0000	6.1827	3.3340	0.0000	3.3340			0.0000			0.0000
Off-Road	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810		5,977.7088	5,977.7088	1.9333		6,018.3084
<b>Total</b>	<b>4.5501</b>	<b>49.3839</b>	<b>38.4257</b>	<b>0.0617</b>	<b>6.1827</b>	<b>2.2619</b>	<b>8.4447</b>	<b>3.3340</b>	<b>2.0810</b>	<b>5.4149</b>		<b>5,977.7088</b>	<b>5,977.7088</b>	<b>1.9333</b>		<b>6,018.3084</b>

**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	2.5564	32.6529	33.1448	0.1187	2.8300	0.6403	3.4703	0.7751	0.5890	1.3641		11,158.1446	11,158.1446	0.0858		11,159.9455
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	0.0593	0.0797	0.8328	2.6400e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		190.6230	190.6230	9.2700e-003		190.8176
<b>Total</b>	<b>2.6157</b>	<b>32.7327</b>	<b>33.9776</b>	<b>0.1213</b>	<b>3.0536</b>	<b>0.6420</b>	<b>3.6955</b>	<b>0.8344</b>	<b>0.5906</b>	<b>1.4250</b>		<b>11,348.7676</b>	<b>11,348.7676</b>	<b>0.0950</b>		<b>11,350.7631</b>



**3.13 Phase Four: Grading - 2020**

**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					2.7822	0.0000	2.7822	1.5003	0.0000	1.5003			0.0000			0.0000
Off-Road	0.7564	3.2778	34.7787	0.0617		0.0151	0.0151		0.0151	0.0151	0.0000	5,977.7088	5,977.7088	1.9333		6,018.3084
<b>Total</b>	<b>0.7564</b>	<b>3.2778</b>	<b>34.7787</b>	<b>0.0617</b>	<b>2.7822</b>	<b>0.0151</b>	<b>2.7974</b>	<b>1.5003</b>	<b>0.0151</b>	<b>1.5154</b>	<b>0.0000</b>	<b>5,977.7088</b>	<b>5,977.7088</b>	<b>1.9333</b>		<b>6,018.3084</b>

**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	2.5564	32.6529	33.1448	0.1187	2.8300	0.6403	3.4703	0.7751	0.5890	1.3641		11,158.1446	11,158.1446	0.0858		11,159.9455
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	0.0593	0.0797	0.8328	2.6400e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		190.6230	190.6230	9.2700e-003		190.8176
<b>Total</b>	<b>2.6157</b>	<b>32.7327</b>	<b>33.9776</b>	<b>0.1213</b>	<b>3.0536</b>	<b>0.6420</b>	<b>3.6955</b>	<b>0.8344</b>	<b>0.5906</b>	<b>1.4250</b>		<b>11,348.7676</b>	<b>11,348.7676</b>	<b>0.0950</b>		<b>11,350.7631</b>

**3.14 Phase Four: 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>		<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</b>

**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	2.4711	21.0238	36.2044	0.0759	2.2136	0.3707	2.5843	0.6305	0.3411	0.9716		7,095.2018	7,095.2018	0.0526		7,096.3052
Worker	3.3871	4.5574	47.5953	0.1512	12.7760	0.0976	12.8737	3.3883	0.0905	3.4788		10,894.1068	10,894.1068	0.5296		10,905.2280
<b>Total</b>	<b>5.8582</b>	<b>25.5811</b>	<b>83.7997</b>	<b>0.2270</b>	<b>14.9896</b>	<b>0.4684</b>	<b>15.4580</b>	<b>4.0188</b>	<b>0.4316</b>	<b>4.4504</b>		<b>17,989.3085</b>	<b>17,989.3085</b>	<b>0.5821</b>		<b>18,001.5333</b>

**3.14 Phase Four: Construction - 2020**

**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	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</b>

**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	2.4711	21.0238	36.2044	0.0759	2.2136	0.3707	2.5843	0.6305	0.3411	0.9716		7,095.2018	7,095.2018	0.0526		7,096.3052
Worker	3.3871	4.5574	47.5953	0.1512	12.7760	0.0976	12.8737	3.3883	0.0905	3.4788		10,894.1068	10,894.1068	0.5296		10,905.2280
<b>Total</b>	<b>5.8582</b>	<b>25.5811</b>	<b>83.7997</b>	<b>0.2270</b>	<b>14.9896</b>	<b>0.4684</b>	<b>15.4580</b>	<b>4.0188</b>	<b>0.4316</b>	<b>4.4504</b>		<b>17,989.3085</b>	<b>17,989.3085</b>	<b>0.5821</b>		<b>18,001.5333</b>

**3.14 Phase Four: Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>		<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</b>

**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	2.3842	17.8517	35.3378	0.0758	2.2136	0.3377	2.5513	0.6305	0.3107	0.9412		7,092.0130	7,092.0130	0.0530		7,093.1258
Worker	3.2044	4.2598	44.6876	0.1515	12.7760	0.0977	12.8738	3.3883	0.0906	3.4789		10,724.6567	10,724.6567	0.5069		10,735.3020
<b>Total</b>	<b>5.5886</b>	<b>22.1115</b>	<b>80.0254</b>	<b>0.2273</b>	<b>14.9896</b>	<b>0.4355</b>	<b>15.4251</b>	<b>4.0188</b>	<b>0.4014</b>	<b>4.4201</b>		<b>17,816.6696</b>	<b>17,816.6696</b>	<b>0.5599</b>		<b>17,828.4278</b>

**3.14 Phase Four: Construction - 2021**

**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	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</b>

**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	2.3842	17.8517	35.3378	0.0758	2.2136	0.3377	2.5513	0.6305	0.3107	0.9412		7,092.0130	7,092.0130	0.0530		7,093.1258
Worker	3.2044	4.2598	44.6876	0.1515	12.7760	0.0977	12.8738	3.3883	0.0906	3.4789		10,724.6567	10,724.6567	0.5069		10,735.3020
<b>Total</b>	<b>5.5886</b>	<b>22.1115</b>	<b>80.0254</b>	<b>0.2273</b>	<b>14.9896</b>	<b>0.4355</b>	<b>15.4251</b>	<b>4.0188</b>	<b>0.4014</b>	<b>4.4201</b>		<b>17,816.6696</b>	<b>17,816.6696</b>	<b>0.5599</b>		<b>17,828.4278</b>

**3.14 Phase Four: Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>		<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</b>

**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	2.3306	16.2058	34.5106	0.0757	2.2136	0.3340	2.5476	0.6305	0.3073	0.9378		7,085.6561	7,085.6561	0.0542		7,086.7937
Worker	3.0346	3.9943	42.0012	0.1514	12.7760	0.0977	12.8737	3.3883	0.0906	3.4788		10,546.3434	10,546.3434	0.4854		10,556.5364
<b>Total</b>	<b>5.3652</b>	<b>20.2001</b>	<b>76.5118</b>	<b>0.2272</b>	<b>14.9897</b>	<b>0.4317</b>	<b>15.4213</b>	<b>4.0188</b>	<b>0.3979</b>	<b>4.4166</b>		<b>17,631.9996</b>	<b>17,631.9996</b>	<b>0.5396</b>		<b>17,643.3301</b>

**3.14 Phase Four: Construction - 2022**

**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	0.3265	2.2289	17.4110	0.0268		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>0.3265</b>	<b>2.2289</b>	<b>17.4110</b>	<b>0.0268</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>		<b>6.0900e-003</b>	<b>6.0900e-003</b>	<b>0.0000</b>	<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</b>

**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	2.3306	16.2058	34.5106	0.0757	2.2136	0.3340	2.5476	0.6305	0.3073	0.9378		7,085.6561	7,085.6561	0.0542		7,086.7937
Worker	3.0346	3.9943	42.0012	0.1514	12.7760	0.0977	12.8737	3.3883	0.0906	3.4788		10,546.3434	10,546.3434	0.4854		10,556.5364
<b>Total</b>	<b>5.3652</b>	<b>20.2001</b>	<b>76.5118</b>	<b>0.2272</b>	<b>14.9897</b>	<b>0.4317</b>	<b>15.4213</b>	<b>4.0188</b>	<b>0.3979</b>	<b>4.4166</b>		<b>17,631.9996</b>	<b>17,631.9996</b>	<b>0.5396</b>		<b>17,643.3301</b>

**3.15 Phase Four: 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	57.6079					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		281.8537
<b>Total</b>	<b>57.8268</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.8537</b>

**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	0.6420	0.8535	8.9532	0.0303	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,148.6845	2,148.6845	0.1016		2,150.8173
<b>Total</b>	<b>0.6420</b>	<b>0.8535</b>	<b>8.9532</b>	<b>0.0303</b>	<b>2.5597</b>	<b>0.0196</b>	<b>2.5793</b>	<b>0.6788</b>	<b>0.0182</b>	<b>0.6970</b>		<b>2,148.6845</b>	<b>2,148.6845</b>	<b>0.1016</b>		<b>2,150.8173</b>



### 3.15 Phase Four: Architectural Coating - 2021

#### 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	57.6079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0193		281.8537
<b>Total</b>	<b>57.6376</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.8537</b>

#### 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	0.6420	0.8535	8.9532	0.0303	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,148.6845	2,148.6845	0.1016		2,150.8173
<b>Total</b>	<b>0.6420</b>	<b>0.8535</b>	<b>8.9532</b>	<b>0.0303</b>	<b>2.5597</b>	<b>0.0196</b>	<b>2.5793</b>	<b>0.6788</b>	<b>0.0182</b>	<b>0.6970</b>		<b>2,148.6845</b>	<b>2,148.6845</b>	<b>0.1016</b>		<b>2,150.8173</b>

**3.15 Phase Four: Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	57.6079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
<b>Total</b>	<b>57.8124</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.8329</b>

**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	0.6080	0.8003	8.4149	0.0303	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,112.9595	2,112.9595	0.0973		2,115.0016
<b>Total</b>	<b>0.6080</b>	<b>0.8003</b>	<b>8.4149</b>	<b>0.0303</b>	<b>2.5597</b>	<b>0.0196</b>	<b>2.5792</b>	<b>0.6788</b>	<b>0.0182</b>	<b>0.6970</b>		<b>2,112.9595</b>	<b>2,112.9595</b>	<b>0.0973</b>		<b>2,115.0016</b>

**3.15 Phase Four: Architectural Coating - 2022**

**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	57.6079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0183		281.8329
<b>Total</b>	<b>57.6376</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.8329</b>

**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	0.6080	0.8003	8.4149	0.0303	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,112.9595	2,112.9595	0.0973		2,115.0016
<b>Total</b>	<b>0.6080</b>	<b>0.8003</b>	<b>8.4149</b>	<b>0.0303</b>	<b>2.5597</b>	<b>0.0196</b>	<b>2.5792</b>	<b>0.6788</b>	<b>0.0182</b>	<b>0.6970</b>		<b>2,112.9595</b>	<b>2,112.9595</b>	<b>0.0973</b>		<b>2,115.0016</b>

**3.16 Phase Four: Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0815	10.9108	14.2815	0.0223		0.5577	0.5577		0.5131	0.5131		2,160.6869	2,160.6869	0.6988		2,175.3619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0815</b>	<b>10.9108</b>	<b>14.2815</b>	<b>0.0223</b>		<b>0.5577</b>	<b>0.5577</b>		<b>0.5131</b>	<b>0.5131</b>		<b>2,160.6869</b>	<b>2,160.6869</b>	<b>0.6988</b>		<b>2,175.3619</b>

**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	0.0398	0.0524	0.5512	1.9900e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		138.4035	138.4035	6.3700e-003		138.5372
<b>Total</b>	<b>0.0398</b>	<b>0.0524</b>	<b>0.5512</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.2800e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.1900e-003</b>	<b>0.0457</b>		<b>138.4035</b>	<b>138.4035</b>	<b>6.3700e-003</b>		<b>138.5372</b>

**3.16 Phase Four: Paving - 2022**

**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	0.2745	1.1895	16.9276	0.0223		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	2,160.6869	2,160.6869	0.6988		2,175.3619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2745</b>	<b>1.1895</b>	<b>16.9276</b>	<b>0.0223</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>0.0000</b>	<b>2,160.6869</b>	<b>2,160.6869</b>	<b>0.6988</b>		<b>2,175.3619</b>

**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	0.0398	0.0524	0.5512	1.9900e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		138.4035	138.4035	6.3700e-003		138.5372
<b>Total</b>	<b>0.0398</b>	<b>0.0524</b>	<b>0.5512</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.2800e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.1900e-003</b>	<b>0.0457</b>		<b>138.4035</b>	<b>138.4035</b>	<b>6.3700e-003</b>		<b>138.5372</b>

**4.0 Operational Detail - Mobile**

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### 4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	53.1204	99.4005	459.8599	1.2697	86.8310	1.7747	88.6057	23.2043	1.6375	24.8418		96,203.0437	96,203.0437	3.3728		96,273.8724
Unmitigated	58.5172	137.4439	589.8664	1.8868	131.0810	2.5774	133.6584	35.0295	2.3777	37.4072		143,001.9016	143,001.9016	4.8759		143,104.2958

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	110.95	110.95	110.95	319,263	209,450
Condo/Townhouse High Rise	1,176.00	1,432.00	1214.00	4,162,091	2,881,466
Condo/Townhouse High Rise	3,410.40	4,152.80	3520.60	12,070,064	8,356,252
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Government (Civic Center)	6,126.41	0.00	0.00	13,513,671	8,716,444
High Turnover (Sit Down Restaurant)	1,017.20	1,266.96	1054.72	1,442,202	950,727
Hotel	1,634.00	1,638.00	1190.00	3,749,016	2,465,413
Library	3,533.72	4,282.60	2345.08	8,762,925	5,655,704
Regional Shopping Center	3,238.08	1,599.04	807.68	5,746,096	3,781,132
<b>Total</b>	<b>20,246.76</b>	<b>14,482.35</b>	<b>10,243.03</b>	<b>49,765,327</b>	<b>33,016,588</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.504606	0.059848	0.182048	0.140509	0.043346	0.006835	0.016277	0.034901	0.001966	0.002503	0.004308	0.000568	0.002288

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7056	6.2626	4.2717	0.0385		0.4875	0.4875		0.4875	0.4875		7,697.8178	7,697.8178	0.1475	0.1411	7,744.6655
NaturalGas Unmitigated	0.8404	7.4592	5.0899	0.0458		0.5807	0.5807		0.5807	0.5807		9,168.3897	9,168.3897	0.1757	0.1681	9,224.1869



### 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					
Condo/Townhouse High Rise	22891.8	0.2469	2.1096	0.8977	0.0135		0.1706	0.1706		0.1706	0.1706		2,693.1499	2,693.1499	0.0516	0.0494	2,709.5399
Condo/Townhouse High Rise	7893.72	0.0851	0.7275	0.3096	4.6400e-003		0.0588	0.0588		0.0588	0.0588		928.6724	928.6724	0.0178	0.0170	934.3241
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	17242.2	0.1860	1.6904	1.4200	0.0101		0.1285	0.1285		0.1285	0.1285		2,028.4988	2,028.4988	0.0389	0.0372	2,040.8439
High Turnover (Sit Down Restaurant)	5107.07	0.0551	0.5007	0.4206	3.0000e-003		0.0381	0.0381		0.0381	0.0381		600.8316	600.8316	0.0115	0.0110	604.4882
Hotel	19906.3	0.2147	1.9516	1.6393	0.0117		0.1483	0.1483		0.1483	0.1483		2,341.9204	2,341.9204	0.0449	0.0429	2,356.1729
Library	4741.15	0.0511	0.4648	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.7824	557.7824	0.0107	0.0102	561.1770
Regional Shopping Center	149.041	1.6100e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003		17.5343	17.5343	3.4000e-004	3.2000e-004	17.6410
City Park	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
<b>Total</b>		<b>0.8405</b>	<b>7.4592</b>	<b>5.0899</b>	<b>0.0458</b>		<b>0.5807</b>	<b>0.5807</b>		<b>0.5807</b>	<b>0.5807</b>		<b>9,168.3897</b>	<b>9,168.3897</b>	<b>0.1757</b>	<b>0.1681</b>	<b>9,224.1869</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse High Rise	19.2513	0.2076	1.7741	0.7550	0.0113		0.1434	0.1434		0.1434	0.1434		2,264.8554	2,264.8554	0.0434	0.0415	2,278.6390
Condo/Townhouse High Rise	6.63837	0.0716	0.6118	0.2603	3.9000e-003		0.0495	0.0495		0.0495	0.0495		780.9846	780.9846	0.0150	0.0143	785.7376
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	13.9168	0.1501	1.3644	1.1461	8.1900e-003		0.1037	0.1037		0.1037	0.1037		1,637.2751	1,637.2751	0.0314	0.0300	1,647.2392
High Turnover (Sit Down Restaurant)	4.9088	0.0529	0.4813	0.4043	2.8900e-003		0.0366	0.0366		0.0366	0.0366		577.5059	577.5059	0.0111	0.0106	581.0205
Hotel	16.5711	0.1787	1.6246	1.3647	9.7500e-003		0.1235	0.1235		0.1235	0.1235		1,949.5411	1,949.5411	0.0374	0.0357	1,961.4057
Library	4.01725	0.0433	0.3939	0.3308	2.3600e-003		0.0299	0.0299		0.0299	0.0299		472.6176	472.6176	9.0600e-003	8.6600e-003	475.4938
Regional Shopping Center	0.127825	1.3800e-003	0.0125	0.0105	8.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004		15.0382	15.0382	2.9000e-004	2.8000e-004	15.1297
City Park	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
<b>Total</b>		<b>0.7056</b>	<b>6.2626</b>	<b>4.2717</b>	<b>0.0385</b>		<b>0.4875</b>	<b>0.4875</b>		<b>0.4875</b>	<b>0.4875</b>		<b>7,697.8178</b>	<b>7,697.8178</b>	<b>0.1476</b>	<b>0.1411</b>	<b>7,744.6655</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	61.3857	0.6697	56.9957	2.8200e-003		0.3101	0.3101		0.3101	0.3101	0.0000	98.8792	98.8792	0.0869	0.0000	100.7050
Unmitigated	64.8879	0.7490	64.8110	3.4200e-003		0.3559	0.3559		0.3559	0.3559	0.0000	116.3950	116.3950	0.1144	0.0000	118.7972

### 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	11.1241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	51.7746					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9892	0.7490	64.8110	3.4200e-003		0.3559	0.3559		0.3559	0.3559		116.3950	116.3950	0.1144		118.7972
<b>Total</b>	<b>64.8879</b>	<b>0.7490</b>	<b>64.8110</b>	<b>3.4200e-003</b>		<b>0.3559</b>	<b>0.3559</b>		<b>0.3559</b>	<b>0.3559</b>	<b>0.0000</b>	<b>116.3950</b>	<b>116.3950</b>	<b>0.1144</b>	<b>0.0000</b>	<b>118.7972</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.0921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	51.7746					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5190	0.6697	56.9957	2.8200e-003		0.3101	0.3101		0.3101	0.3101		98.8792	98.8792	0.0869		100.7050
<b>Total</b>	<b>61.3857</b>	<b>0.6697</b>	<b>56.9957</b>	<b>2.8200e-003</b>		<b>0.3101</b>	<b>0.3101</b>		<b>0.3101</b>	<b>0.3101</b>	<b>0.0000</b>	<b>98.8792</b>	<b>98.8792</b>	<b>0.0869</b>	<b>0.0000</b>	<b>100.7050</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

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**Long Beach Civic Center - Existing**  
**South Coast AQMD Air District, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	283.00	1000sqft	3.40	283,000.00	0
Library	138.00	1000sqft	2.10	138,000.00	0
City Park	2.60	Acre	2.60	113,256.00	0
Enclosed Parking with Elevator	3.25	Acre	3.25	141,570.00	0
Parking Lot	0.83	Acre	0.83	36,154.80	0
Parking Lot	1.80	Acre	1.80	78,408.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2015
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	630.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Estimated from Google Earth. Old Courthouse not included as it is non-operational.

Vehicle Trips - From Traffic Study, LLG 2015.

Mobile Land Use Mitigation -

Area Mitigation - Use of low-VOC paint (150 g/L for nonflat coatings) SCAQMD Rule 1113.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblLandUse	LotAcreage	6.50	3.40
tblLandUse	LotAcreage	3.17	2.10
tblProjectCharacteristics	OperationalYear	2014	2015
tblVehicleTrips	ST_TR	1.59	35.00
tblVehicleTrips	SU_TR	1.59	35.00
tblVehicleTrips	WD_TR	1.59	35.00
tblVehicleTrips	WD_TR	27.92	10.23
tblVehicleTrips	WD_TR	56.24	33.87

## 2.0 Emissions Summary

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**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	3.6437	5.0000e-005	5.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0113
Energy	0.0307	0.2789	0.2343	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	2,258.0727	2,258.0727	0.0957	0.0242	2,267.5691
Mobile	4.7634	13.3691	52.1107	0.1037	7.0692	0.1826	7.2518	1.8914	0.1678	2.0592	0.0000	8,498.2566	8,498.2566	0.3737	0.0000	8,506.1044
Waste						0.0000	0.0000		0.0000	0.0000	353.2875	0.0000	353.2875	20.8787	0.0000	791.7401
Water						0.0000	0.0000		0.0000	0.0000	19.2061	366.4507	385.6568	1.9895	0.0501	442.9559
<b>Total</b>	<b>8.4378</b>	<b>13.6480</b>	<b>52.3506</b>	<b>0.1054</b>	<b>7.0692</b>	<b>0.2038</b>	<b>7.2730</b>	<b>1.8914</b>	<b>0.1890</b>	<b>2.0804</b>	<b>372.4936</b>	<b>11,122.7906</b>	<b>11,495.2842</b>	<b>23.3376</b>	<b>0.0742</b>	<b>12,008.3808</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.3289	5.0000e-005	5.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0113
Energy	0.0307	0.2789	0.2343	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	2,258.0727	2,258.0727	0.0957	0.0242	2,267.5691
Mobile	4.4118	10.6999	43.5045	0.0800	5.4020	0.1423	5.5443	1.4453	0.1307	1.5760	0.0000	6,555.9007	6,555.9007	0.2948	0.0000	6,562.0915
Waste						0.0000	0.0000		0.0000	0.0000	353.2875	0.0000	353.2875	20.8787	0.0000	791.7401
Water						0.0000	0.0000		0.0000	0.0000	19.2061	366.4507	385.6568	1.9891	0.0500	442.9252
<b>Total</b>	<b>7.7714</b>	<b>10.9788</b>	<b>43.7445</b>	<b>0.0817</b>	<b>5.4020</b>	<b>0.1635</b>	<b>5.5655</b>	<b>1.4453</b>	<b>0.1519</b>	<b>1.5972</b>	<b>372.4936</b>	<b>9,180.4347</b>	<b>9,552.9283</b>	<b>23.2583</b>	<b>0.0741</b>	<b>10,064.3372</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>7.90</b>	<b>19.56</b>	<b>16.44</b>	<b>22.46</b>	<b>23.58</b>	<b>19.79</b>	<b>23.48</b>	<b>23.58</b>	<b>19.61</b>	<b>23.22</b>	<b>0.00</b>	<b>17.46</b>	<b>16.90</b>	<b>0.34</b>	<b>0.09</b>	<b>16.19</b>

## 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	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/11/2016	5	10	
3	Grading	Grading	2/12/2016	3/24/2016	5	30	
4	Building Construction	Building Construction	3/25/2016	5/18/2017	5	300	
5	Paving	Paving	5/19/2017	6/15/2017	5	20	
6	Architectural Coating	Architectural Coating	6/16/2017	7/13/2017	5	20	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 75**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,018,894; Non-Residential Outdoor: 339,631 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	304.00	130.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2016

#### 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	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092
<b>Total</b>	<b>0.0429</b>	<b>0.4566</b>	<b>0.3503</b>	<b>4.0000e-004</b>		<b>0.0229</b>	<b>0.0229</b>		<b>0.0214</b>	<b>0.0214</b>	<b>0.0000</b>	<b>37.0974</b>	<b>37.0974</b>	<b>0.0101</b>	<b>0.0000</b>	<b>37.3092</b>

### 3.2 Demolition - 2016

#### 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	6.0000e-004	8.9000e-004	9.2000e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5418	1.5418	8.0000e-005	0.0000	1.5436
<b>Total</b>	<b>6.0000e-004</b>	<b>8.9000e-004</b>	<b>9.2000e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.5418</b>	<b>1.5418</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.5436</b>

#### 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	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092
<b>Total</b>	<b>0.0429</b>	<b>0.4566</b>	<b>0.3503</b>	<b>4.0000e-004</b>		<b>0.0229</b>	<b>0.0229</b>		<b>0.0214</b>	<b>0.0214</b>	<b>0.0000</b>	<b>37.0973</b>	<b>37.0973</b>	<b>0.0101</b>	<b>0.0000</b>	<b>37.3092</b>

### 3.2 Demolition - 2016

#### 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	6.0000e-004	8.9000e-004	9.2000e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5418	1.5418	8.0000e-005	0.0000	1.5436
<b>Total</b>	<b>6.0000e-004</b>	<b>8.9000e-004</b>	<b>9.2000e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.5418</b>	<b>1.5418</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.5436</b>

### 3.3 Site Preparation - 2016

#### 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2732	0.2055	2.0000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	18.4386	18.4386	5.5600e-003	0.0000	18.5554
<b>Total</b>	<b>0.0254</b>	<b>0.2732</b>	<b>0.2055</b>	<b>2.0000e-004</b>	<b>0.0903</b>	<b>0.0147</b>	<b>0.1050</b>	<b>0.0497</b>	<b>0.0135</b>	<b>0.0632</b>	<b>0.0000</b>	<b>18.4386</b>	<b>18.4386</b>	<b>5.5600e-003</b>	<b>0.0000</b>	<b>18.5554</b>



### 3.3 Site Preparation - 2016

#### 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	5.3000e-004	5.5200e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9251	0.9251	5.0000e-005	0.0000	0.9261
<b>Total</b>	<b>3.6000e-004</b>	<b>5.3000e-004</b>	<b>5.5200e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.9251</b>	<b>0.9251</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.9261</b>

#### 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2732	0.2055	2.0000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	18.4385	18.4385	5.5600e-003	0.0000	18.5553
<b>Total</b>	<b>0.0254</b>	<b>0.2732</b>	<b>0.2055</b>	<b>2.0000e-004</b>	<b>0.0903</b>	<b>0.0147</b>	<b>0.1050</b>	<b>0.0497</b>	<b>0.0135</b>	<b>0.0632</b>	<b>0.0000</b>	<b>18.4385</b>	<b>18.4385</b>	<b>5.5600e-003</b>	<b>0.0000</b>	<b>18.5553</b>

### 3.3 Site Preparation - 2016

#### 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	5.3000e-004	5.5200e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9251	0.9251	5.0000e-005	0.0000	0.9261
<b>Total</b>	<b>3.6000e-004</b>	<b>5.3000e-004</b>	<b>5.5200e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.9251</b>	<b>0.9251</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.9261</b>

### 3.4 Grading - 2016

#### 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					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0972	1.1222	0.7371	9.3000e-004		0.0538	0.0538		0.0495	0.0495	0.0000	87.2936	87.2936	0.0263	0.0000	87.8465
<b>Total</b>	<b>0.0972</b>	<b>1.1222</b>	<b>0.7371</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0538</b>	<b>0.1839</b>	<b>0.0540</b>	<b>0.0495</b>	<b>0.1034</b>	<b>0.0000</b>	<b>87.2936</b>	<b>87.2936</b>	<b>0.0263</b>	<b>0.0000</b>	<b>87.8465</b>

### 3.4 Grading - 2016

#### 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	1.2100e-003	1.7700e-003	0.0184	4.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	3.0000e-005	9.0000e-004	0.0000	3.0836	3.0836	1.7000e-004	0.0000	3.0871
<b>Total</b>	<b>1.2100e-003</b>	<b>1.7700e-003</b>	<b>0.0184</b>	<b>4.0000e-005</b>	<b>3.2900e-003</b>	<b>3.0000e-005</b>	<b>3.3200e-003</b>	<b>8.7000e-004</b>	<b>3.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>3.0836</b>	<b>3.0836</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.0871</b>

#### 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					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0972	1.1222	0.7371	9.3000e-004		0.0538	0.0538		0.0495	0.0495	0.0000	87.2935	87.2935	0.0263	0.0000	87.8464
<b>Total</b>	<b>0.0972</b>	<b>1.1222</b>	<b>0.7371</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0538</b>	<b>0.1839</b>	<b>0.0540</b>	<b>0.0495</b>	<b>0.1034</b>	<b>0.0000</b>	<b>87.2935</b>	<b>87.2935</b>	<b>0.0263</b>	<b>0.0000</b>	<b>87.8464</b>

**3.4 Grading - 2016****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	1.2100e-003	1.7700e-003	0.0184	4.0000e-005	3.2900e-003	3.0000e-005	3.3200e-003	8.7000e-004	3.0000e-005	9.0000e-004	0.0000	3.0836	3.0836	1.7000e-004	0.0000	3.0871
<b>Total</b>	<b>1.2100e-003</b>	<b>1.7700e-003</b>	<b>0.0184</b>	<b>4.0000e-005</b>	<b>3.2900e-003</b>	<b>3.0000e-005</b>	<b>3.3200e-003</b>	<b>8.7000e-004</b>	<b>3.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>3.0836</b>	<b>3.0836</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.0871</b>

**3.5 Building Construction - 2016****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	0.3423	2.8649	1.8599	2.6900e-003		0.1977	0.1977		0.1858	0.1858	0.0000	243.3644	243.3644	0.0604	0.0000	244.6319
<b>Total</b>	<b>0.3423</b>	<b>2.8649</b>	<b>1.8599</b>	<b>2.6900e-003</b>		<b>0.1977</b>	<b>0.1977</b>		<b>0.1858</b>	<b>0.1858</b>	<b>0.0000</b>	<b>243.3644</b>	<b>243.3644</b>	<b>0.0604</b>	<b>0.0000</b>	<b>244.6319</b>

### 3.5 Building Construction - 2016

#### 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	0.1159	1.1796	1.5206	2.8300e-003	0.0804	0.0187	0.0991	0.0229	0.0172	0.0401	0.0000	257.5057	257.5057	1.8700e-003	0.0000	257.5449
Worker	0.1228	0.1804	1.8747	4.1200e-003	0.3352	2.8500e-003	0.3381	0.0890	2.6200e-003	0.0916	0.0000	314.0362	314.0362	0.0169	0.0000	314.3914
<b>Total</b>	<b>0.2387</b>	<b>1.3600</b>	<b>3.3952</b>	<b>6.9500e-003</b>	<b>0.4156</b>	<b>0.0215</b>	<b>0.4371</b>	<b>0.1120</b>	<b>0.0198</b>	<b>0.1317</b>	<b>0.0000</b>	<b>571.5419</b>	<b>571.5419</b>	<b>0.0188</b>	<b>0.0000</b>	<b>571.9363</b>

#### 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	0.3423	2.8649	1.8599	2.6900e-003		0.1977	0.1977		0.1858	0.1858	0.0000	243.3641	243.3641	0.0604	0.0000	244.6316
<b>Total</b>	<b>0.3423</b>	<b>2.8649</b>	<b>1.8599</b>	<b>2.6900e-003</b>		<b>0.1977</b>	<b>0.1977</b>		<b>0.1858</b>	<b>0.1858</b>	<b>0.0000</b>	<b>243.3641</b>	<b>243.3641</b>	<b>0.0604</b>	<b>0.0000</b>	<b>244.6316</b>

**3.5 Building Construction - 2016****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	0.1159	1.1796	1.5206	2.8300e-003	0.0804	0.0187	0.0991	0.0229	0.0172	0.0401	0.0000	257.5057	257.5057	1.8700e-003	0.0000	257.5449
Worker	0.1228	0.1804	1.8747	4.1200e-003	0.3352	2.8500e-003	0.3381	0.0890	2.6200e-003	0.0916	0.0000	314.0362	314.0362	0.0169	0.0000	314.3914
<b>Total</b>	<b>0.2387</b>	<b>1.3600</b>	<b>3.3952</b>	<b>6.9500e-003</b>	<b>0.4156</b>	<b>0.0215</b>	<b>0.4371</b>	<b>0.1120</b>	<b>0.0198</b>	<b>0.1317</b>	<b>0.0000</b>	<b>571.5419</b>	<b>571.5419</b>	<b>0.0188</b>	<b>0.0000</b>	<b>571.9363</b>

**3.5 Building Construction - 2017****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	0.1536	1.3071	0.8974	1.3300e-003		0.0882	0.0882		0.0828	0.0828	0.0000	118.5422	118.5422	0.0292	0.0000	119.1548
<b>Total</b>	<b>0.1536</b>	<b>1.3071</b>	<b>0.8974</b>	<b>1.3300e-003</b>		<b>0.0882</b>	<b>0.0882</b>		<b>0.0828</b>	<b>0.0828</b>	<b>0.0000</b>	<b>118.5422</b>	<b>118.5422</b>	<b>0.0292</b>	<b>0.0000</b>	<b>119.1548</b>

### 3.5 Building Construction - 2017

#### 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	0.0522	0.5284	0.7097	1.3900e-003	0.0396	8.2000e-003	0.0478	0.0113	7.5400e-003	0.0188	0.0000	124.7758	124.7758	8.9000e-004	0.0000	124.7944
Worker	0.0542	0.0802	0.8327	2.0300e-003	0.1651	1.3500e-003	0.1665	0.0439	1.2500e-003	0.0451	0.0000	148.7360	148.7360	7.6900e-003	0.0000	148.8974
<b>Total</b>	<b>0.1063</b>	<b>0.6086</b>	<b>1.5424</b>	<b>3.4200e-003</b>	<b>0.2047</b>	<b>9.5500e-003</b>	<b>0.2143</b>	<b>0.0552</b>	<b>8.7900e-003</b>	<b>0.0639</b>	<b>0.0000</b>	<b>273.5117</b>	<b>273.5117</b>	<b>8.5800e-003</b>	<b>0.0000</b>	<b>273.6919</b>

#### 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	0.1536	1.3071	0.8974	1.3300e-003		0.0882	0.0882		0.0828	0.0828	0.0000	118.5420	118.5420	0.0292	0.0000	119.1547
<b>Total</b>	<b>0.1536</b>	<b>1.3071</b>	<b>0.8974</b>	<b>1.3300e-003</b>		<b>0.0882</b>	<b>0.0882</b>		<b>0.0828</b>	<b>0.0828</b>	<b>0.0000</b>	<b>118.5420</b>	<b>118.5420</b>	<b>0.0292</b>	<b>0.0000</b>	<b>119.1547</b>

### 3.5 Building Construction - 2017

#### 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	0.0522	0.5284	0.7097	1.3900e-003	0.0396	8.2000e-003	0.0478	0.0113	7.5400e-003	0.0188	0.0000	124.7758	124.7758	8.9000e-004	0.0000	124.7944
Worker	0.0542	0.0802	0.8327	2.0300e-003	0.1651	1.3500e-003	0.1665	0.0439	1.2500e-003	0.0451	0.0000	148.7360	148.7360	7.6900e-003	0.0000	148.8974
<b>Total</b>	<b>0.1063</b>	<b>0.6086</b>	<b>1.5424</b>	<b>3.4200e-003</b>	<b>0.2047</b>	<b>9.5500e-003</b>	<b>0.2143</b>	<b>0.0552</b>	<b>8.7900e-003</b>	<b>0.0639</b>	<b>0.0000</b>	<b>273.5117</b>	<b>273.5117</b>	<b>8.5800e-003</b>	<b>0.0000</b>	<b>273.6919</b>

### 3.6 Paving - 2017

#### 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	0.0191	0.2030	0.1473	2.2000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	20.6934	20.6934	6.3400e-003	0.0000	20.8266
Paving	3.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0225</b>	<b>0.2030</b>	<b>0.1473</b>	<b>2.2000e-004</b>		<b>0.0114</b>	<b>0.0114</b>		<b>0.0105</b>	<b>0.0105</b>	<b>0.0000</b>	<b>20.6934</b>	<b>20.6934</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>20.8266</b>



### 3.6 Paving - 2017

#### 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	5.4000e-004	8.0000e-004	8.3000e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4826	1.4826	8.0000e-005	0.0000	1.4842
<b>Total</b>	<b>5.4000e-004</b>	<b>8.0000e-004</b>	<b>8.3000e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4826</b>	<b>1.4826</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4842</b>

#### 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	0.0191	0.2030	0.1473	2.2000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	20.6934	20.6934	6.3400e-003	0.0000	20.8265
Paving	3.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0225</b>	<b>0.2030</b>	<b>0.1473</b>	<b>2.2000e-004</b>		<b>0.0114</b>	<b>0.0114</b>		<b>0.0105</b>	<b>0.0105</b>	<b>0.0000</b>	<b>20.6934</b>	<b>20.6934</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>20.8265</b>

### 3.6 Paving - 2017

#### 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	5.4000e-004	8.0000e-004	8.3000e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4826	1.4826	8.0000e-005	0.0000	1.4842
<b>Total</b>	<b>5.4000e-004</b>	<b>8.0000e-004</b>	<b>8.3000e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4826</b>	<b>1.4826</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4842</b>

### 3.7 Architectural Coating - 2017

#### 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	7.8710					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0219	0.0187	3.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	2.5533	2.5533	2.7000e-004	0.0000	2.5589
<b>Total</b>	<b>7.8743</b>	<b>0.0219</b>	<b>0.0187</b>	<b>3.0000e-005</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.5589</b>

### 3.7 Architectural Coating - 2017

#### 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	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	0.0000
Worker	2.2000e-003	3.2500e-003	0.0338	8.0000e-005	6.6900e-003	5.0000e-005	6.7500e-003	1.7800e-003	5.0000e-005	1.8300e-003	0.0000	6.0293	6.0293	3.1000e-004	0.0000	6.0359	
<b>Total</b>	<b>2.2000e-003</b>	<b>3.2500e-003</b>	<b>0.0338</b>	<b>8.0000e-005</b>	<b>6.6900e-003</b>	<b>5.0000e-005</b>	<b>6.7500e-003</b>	<b>1.7800e-003</b>	<b>5.0000e-005</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>6.0293</b>	<b>6.0293</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>6.0359</b>	

#### 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	7.8710					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0219	0.0187	3.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	2.5533	2.5533	2.7000e-004	0.0000	2.5589
<b>Total</b>	<b>7.8743</b>	<b>0.0219</b>	<b>0.0187</b>	<b>3.0000e-005</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>		<b>1.7300e-003</b>	<b>1.7300e-003</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.5589</b>

### 3.7 Architectural Coating - 2017

#### 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	2.2000e-003	3.2500e-003	0.0338	8.0000e-005	6.6900e-003	5.0000e-005	6.7500e-003	1.7800e-003	5.0000e-005	1.8300e-003	0.0000	6.0293	6.0293	3.1000e-004	0.0000	6.0359
<b>Total</b>	<b>2.2000e-003</b>	<b>3.2500e-003</b>	<b>0.0338</b>	<b>8.0000e-005</b>	<b>6.6900e-003</b>	<b>5.0000e-005</b>	<b>6.7500e-003</b>	<b>1.7800e-003</b>	<b>5.0000e-005</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>6.0293</b>	<b>6.0293</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>6.0359</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive 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	4.4118	10.6999	43.5045	0.0800	5.4020	0.1423	5.5443	1.4453	0.1307	1.5760	0.0000	6,555.9007	6,555.9007	0.2948	0.0000	6,562.0915
Unmitigated	4.7634	13.3691	52.1107	0.1037	7.0692	0.1826	7.2518	1.8914	0.1678	2.0592	0.0000	8,498.2566	8,498.2566	0.3737	0.0000	8,506.1044

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	91.00	91.00	91.00	261,856	200,100
Enclosed Parking with Elevator	0.00	0.00	0.00		
Government (Civic Center)	2,895.09	0.00	0.00	6,386,011	4,879,934
Library	4,674.06	6,423.90	3517.62	12,014,554	9,181,042
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>7,660.15</b>	<b>6,514.90</b>	<b>3,608.62</b>	<b>18,662,422</b>	<b>14,261,076</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.514499	0.060499	0.179997	0.139763	0.042095	0.006675	0.015446	0.029572	0.001914	0.002508	0.004341	0.000594	0.002098

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,954.4875	1,954.4875	0.0898	0.0186	1,962.1365
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,954.4875	1,954.4875	0.0898	0.0186	1,962.1365
NaturalGas Mitigated	0.0307	0.2789	0.2343	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.5851	303.5851	5.8200e-003	5.5700e-003	305.4327
NaturalGas Unmitigated	0.0307	0.2789	0.2343	1.6700e-003		0.0212	0.0212		0.0212	0.0212	0.0000	303.5851	303.5851	5.8200e-003	5.5700e-003	305.4327

### 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						
City Park	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	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	3.09319e+006	0.0167	0.1516	0.1274	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	165.0644	165.0644	3.1600e-003	3.0300e-003	166.0690	
Library	2.59578e+006	0.0140	0.1272	0.1069	7.6000e-004		9.6700e-003	9.6700e-003		9.6700e-003	9.6700e-003	0.0000	138.5207	138.5207	2.6500e-003	2.5400e-003	139.3637	
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	0.0000
<b>Total</b>		<b>0.0307</b>	<b>0.2789</b>	<b>0.2343</b>	<b>1.6700e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>303.5851</b>	<b>303.5851</b>	<b>5.8100e-003</b>	<b>5.5700e-003</b>	<b>305.4327</b>	

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	3.09319e+006	0.0167	0.1516	0.1274	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	165.0644	165.0644	3.1600e-003	3.0300e-003	166.0690
Library	2.59578e+006	0.0140	0.1272	0.1069	7.6000e-004		9.6700e-003	9.6700e-003		9.6700e-003	9.6700e-003	0.0000	138.5207	138.5207	2.6500e-003	2.5400e-003	139.3637
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
City Park	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
<b>Total</b>		<b>0.0307</b>	<b>0.2789</b>	<b>0.2343</b>	<b>1.6700e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>303.5851</b>	<b>303.5851</b>	<b>5.8100e-003</b>	<b>5.5700e-003</b>	<b>305.4327</b>



### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	954182	273.0552	0.0126	2.6000e-003	274.1239
Government (Civic Center)	4.11199e+006	1,176.7154	0.0541	0.0112	1,181.3205
Library	1.6629e+006	475.8669	0.0219	4.5300e-003	477.7292
Parking Lot	31816.2	9.1048	4.2000e-004	9.0000e-005	9.1404
Parking Lot	68999	19.7452	9.1000e-004	1.9000e-004	19.8225
<b>Total</b>		<b>1,954.4875</b>	<b>0.0898</b>	<b>0.0186</b>	<b>1,962.1365</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	954182	273.0552	0.0126	2.6000e-003	274.1239
Government (Civic Center)	4.11199e+006	1,176.7154	0.0541	0.0112	1,181.3205
Library	1.6629e+006	475.8669	0.0219	4.5300e-003	477.7292
Parking Lot	31816.2	9.1048	4.2000e-004	9.0000e-005	9.1404
Parking Lot	68999	19.7452	9.1000e-004	1.9000e-004	19.8225
<b>Total</b>		<b>1,954.4875</b>	<b>0.0898</b>	<b>0.0186</b>	<b>1,962.1365</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	3.3289	5.0000e-005	5.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0113
Unmitigated	3.6437	5.0000e-005	5.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0113

## 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	0.7871					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.6000e-004	5.0000e-005	5.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0113
<b>Total</b>	<b>3.6437</b>	<b>5.0000e-005</b>	<b>5.6700e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0107</b>	<b>0.0107</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0113</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4723					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.6000e-004	5.0000e-005	5.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0113
<b>Total</b>	<b>3.3289</b>	<b>5.0000e-005</b>	<b>5.6700e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0107</b>	<b>0.0107</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0113</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	385.6568	1.9891	0.0500	442.9252
Unmitigated	385.6568	1.9895	0.0501	442.9559

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.09785	9.8490	4.5000e-004	9.0000e-005	9.8876
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	56.2207 / 34.4578	336.8769	1.8466	0.0463	390.0059
Library	4.31787 / 6.75359	38.9308	0.1424	3.6800e-003	43.0623
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>385.6567</b>	<b>1.9895</b>	<b>0.0501</b>	<b>442.9559</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.09785	9.8490	4.5000e-004	9.0000e-005	9.8876
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	56.2207 / 34.4578	336.8769	1.8463	0.0462	389.9775
Library	4.31787 / 6.75359	38.9308	0.1424	3.6700e-003	43.0601
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>385.6567</b>	<b>1.9891</b>	<b>0.0500</b>	<b>442.9252</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	353.2875	20.8787	0.0000	791.7401
Unmitigated	353.2875	20.8787	0.0000	791.7401

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.22	0.0447	2.6400e-003	0.0000	0.1001
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	1613.1	327.4447	19.3514	0.0000	733.8247
Library	127.09	25.7981	1.5246	0.0000	57.8153
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>353.2875</b>	<b>20.8787</b>	<b>0.0000</b>	<b>791.7401</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.22	0.0447	2.6400e-003	0.0000	0.1001
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	1613.1	327.4447	19.3514	0.0000	733.8247
Library	127.09	25.7981	1.5246	0.0000	57.8153
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>353.2875</b>	<b>20.8787</b>	<b>0.0000</b>	<b>791.7401</b>

## 9.0 Operational Offroad

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



**Long Beach Civic Center - Existing**  
**South Coast AQMD Air District, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	283.00	1000sqft	3.40	283,000.00	0
Library	138.00	1000sqft	2.10	138,000.00	0
City Park	2.60	Acre	2.60	113,256.00	0
Enclosed Parking with Elevator	3.25	Acre	3.25	141,570.00	0
Parking Lot	0.83	Acre	0.83	36,154.80	0
Parking Lot	1.80	Acre	1.80	78,408.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2015
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	630.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Estimated from Google Earth. Old Courthouse not included as it is non-operational.

Vehicle Trips - From Traffic Study, LLG 2015.

Mobile Land Use Mitigation -

Area Mitigation - Use of low-VOC paint (150 g/L for nonflat coatings) SCAQMD Rule 1113.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblLandUse	LotAcreage	6.50	3.40
tblLandUse	LotAcreage	3.17	2.10
tblProjectCharacteristics	OperationalYear	2014	2015
tblVehicleTrips	ST_TR	1.59	35.00
tblVehicleTrips	SU_TR	1.59	35.00
tblVehicleTrips	WD_TR	1.59	35.00
tblVehicleTrips	WD_TR	27.92	10.23
tblVehicleTrips	WD_TR	56.24	33.87

## 2.0 Emissions Summary

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**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	19.9670	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
Energy	0.1681	1.5281	1.2836	9.1700e-003		0.1161	0.1161		0.1161	0.1161		1,833.6728	1,833.6728	0.0352	0.0336	1,844.8323
Mobile	36.1839	93.3193	389.4490	0.8074	53.8875	1.3646	55.2521	14.3961	1.2537	15.6498		72,881.2073	72,881.2073	3.0852		72,945.9969
<b>Total</b>	<b>56.3190</b>	<b>94.8478</b>	<b>390.7780</b>	<b>0.8166</b>	<b>53.8875</b>	<b>1.4809</b>	<b>55.3684</b>	<b>14.3961</b>	<b>1.3700</b>	<b>15.7661</b>		<b>74,714.9741</b>	<b>74,714.9741</b>	<b>3.1206</b>	<b>0.0336</b>	<b>74,790.9289</b>

**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	18.2419	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
Energy	0.1681	1.5281	1.2836	9.1700e-003		0.1161	0.1161		0.1161	0.1161		1,833.6728	1,833.6728	0.0352	0.0336	1,844.8323
Mobile	33.5050	74.8504	319.9385	0.6229	41.1787	1.0623	42.2410	11.0010	0.9758	11.9768		56,211.3264	56,211.3264	2.4335		56,262.4294
<b>Total</b>	<b>51.9150</b>	<b>76.3789</b>	<b>321.2674</b>	<b>0.6321</b>	<b>41.1787</b>	<b>1.1786</b>	<b>42.3573</b>	<b>11.0010</b>	<b>1.0921</b>	<b>12.0931</b>		<b>58,045.0932</b>	<b>58,045.0932</b>	<b>2.4689</b>	<b>0.0336</b>	<b>58,107.3614</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.82	19.47	17.79	22.59	23.58	20.41	23.50	23.58	20.28	23.30	0.00	22.31	22.31	20.88	0.00	22.31

### 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	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/11/2016	5	10	
3	Grading	Grading	2/12/2016	3/24/2016	5	30	
4	Building Construction	Building Construction	3/25/2016	5/18/2017	5	300	
5	Paving	Paving	5/19/2017	6/15/2017	5	20	
6	Architectural Coating	Architectural Coating	6/16/2017	7/13/2017	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,018,894; Non-Residential Outdoor: 339,631 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	304.00	130.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2016

#### 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	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.2841	4,089.2841	1.1121		4,112.6374
<b>Total</b>	<b>4.2876</b>	<b>45.6559</b>	<b>35.0303</b>	<b>0.0399</b>		<b>2.2921</b>	<b>2.2921</b>		<b>2.1365</b>	<b>2.1365</b>		<b>4,089.2841</b>	<b>4,089.2841</b>	<b>1.1121</b>		<b>4,112.6374</b>

### 3.2 Demolition - 2016

#### 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	0.0627	0.0783	0.9750	2.1200e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		178.4188	178.4188	9.1500e-003		178.6110
<b>Total</b>	<b>0.0627</b>	<b>0.0783</b>	<b>0.9750</b>	<b>2.1200e-003</b>	<b>0.1677</b>	<b>1.4000e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.2900e-003</b>	<b>0.0458</b>		<b>178.4188</b>	<b>178.4188</b>	<b>9.1500e-003</b>		<b>178.6110</b>

#### 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	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365	0.0000	4,089.2841	4,089.2841	1.1121		4,112.6374
<b>Total</b>	<b>4.2876</b>	<b>45.6559</b>	<b>35.0303</b>	<b>0.0399</b>		<b>2.2921</b>	<b>2.2921</b>		<b>2.1365</b>	<b>2.1365</b>	<b>0.0000</b>	<b>4,089.2841</b>	<b>4,089.2841</b>	<b>1.1121</b>		<b>4,112.6374</b>



### 3.2 Demolition - 2016

#### 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	0.0627	0.0783	0.9750	2.1200e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		178.4188	178.4188	9.1500e-003			178.6110
<b>Total</b>	<b>0.0627</b>	<b>0.0783</b>	<b>0.9750</b>	<b>2.1200e-003</b>	<b>0.1677</b>	<b>1.4000e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.2900e-003</b>	<b>0.0458</b>		<b>178.4188</b>	<b>178.4188</b>	<b>9.1500e-003</b>			<b>178.6110</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
<b>Total</b>	<b>5.0771</b>	<b>54.6323</b>	<b>41.1053</b>	<b>0.0391</b>	<b>18.0663</b>	<b>2.9387</b>	<b>21.0049</b>	<b>9.9307</b>	<b>2.7036</b>	<b>12.6343</b>		<b>4,065.0053</b>	<b>4,065.0053</b>	<b>1.2262</b>		<b>4,090.7544</b>

### 3.3 Site Preparation - 2016

#### 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	0.0752	0.0940	1.1700	2.5500e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		214.1025	214.1025	0.0110			214.3332
<b>Total</b>	<b>0.0752</b>	<b>0.0940</b>	<b>1.1700</b>	<b>2.5500e-003</b>	<b>0.2012</b>	<b>1.6800e-003</b>	<b>0.2029</b>	<b>0.0534</b>	<b>1.5500e-003</b>	<b>0.0549</b>		<b>214.1025</b>	<b>214.1025</b>	<b>0.0110</b>			<b>214.3332</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262			4,090.7544
<b>Total</b>	<b>5.0771</b>	<b>54.6323</b>	<b>41.1053</b>	<b>0.0391</b>	<b>18.0663</b>	<b>2.9387</b>	<b>21.0049</b>	<b>9.9307</b>	<b>2.7036</b>	<b>12.6343</b>	<b>0.0000</b>	<b>4,065.0053</b>	<b>4,065.0053</b>	<b>1.2262</b>			<b>4,090.7544</b>

### 3.3 Site Preparation - 2016

#### 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	0.0752	0.0940	1.1700	2.5500e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		214.1025	214.1025	0.0110			214.3332
<b>Total</b>	<b>0.0752</b>	<b>0.0940</b>	<b>1.1700</b>	<b>2.5500e-003</b>	<b>0.2012</b>	<b>1.6800e-003</b>	<b>0.2029</b>	<b>0.0534</b>	<b>1.5500e-003</b>	<b>0.0549</b>		<b>214.1025</b>	<b>214.1025</b>	<b>0.0110</b>			<b>214.3332</b>

### 3.4 Grading - 2016

#### 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000	
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350			6,455.6154
<b>Total</b>	<b>6.4795</b>	<b>74.8137</b>	<b>49.1374</b>	<b>0.0617</b>	<b>8.6733</b>	<b>3.5842</b>	<b>12.2576</b>	<b>3.5965</b>	<b>3.2975</b>	<b>6.8940</b>		<b>6,414.9807</b>	<b>6,414.9807</b>	<b>1.9350</b>			<b>6,455.6154</b>

### 3.4 Grading - 2016

#### 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	0.0836	0.1045	1.3000	2.8300e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		237.8917	237.8917	0.0122			238.1480
<b>Total</b>	<b>0.0836</b>	<b>0.1045</b>	<b>1.3000</b>	<b>2.8300e-003</b>	<b>0.2236</b>	<b>1.8700e-003</b>	<b>0.2254</b>	<b>0.0593</b>	<b>1.7200e-003</b>	<b>0.0610</b>		<b>237.8917</b>	<b>237.8917</b>	<b>0.0122</b>			<b>238.1480</b>

#### 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000				0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975	0.0000	6,414.9807	6,414.9807	1.9350			6,455.6154
<b>Total</b>	<b>6.4795</b>	<b>74.8137</b>	<b>49.1374</b>	<b>0.0617</b>	<b>8.6733</b>	<b>3.5842</b>	<b>12.2576</b>	<b>3.5965</b>	<b>3.2975</b>	<b>6.8940</b>	<b>0.0000</b>	<b>6,414.9807</b>	<b>6,414.9807</b>	<b>1.9350</b>			<b>6,455.6154</b>

### 3.4 Grading - 2016

#### 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	0.0836	0.1045	1.3000	2.8300e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		237.8917	237.8917	0.0122			238.1480
<b>Total</b>	<b>0.0836</b>	<b>0.1045</b>	<b>1.3000</b>	<b>2.8300e-003</b>	<b>0.2236</b>	<b>1.8700e-003</b>	<b>0.2254</b>	<b>0.0593</b>	<b>1.7200e-003</b>	<b>0.0610</b>		<b>237.8917</b>	<b>237.8917</b>	<b>0.0122</b>			<b>238.1480</b>

### 3.5 Building Construction - 2016

#### 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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>		<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>			<b>2,683.1890</b>

### 3.5 Building Construction - 2016

#### 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	1.0824	11.2278	12.9468	0.0283	0.8125	0.1849	0.9974	0.2314	0.1700	0.4014		2,834.3759	2,834.3759	0.0202			2,834.8008
Worker	1.2700	1.5878	19.7606	0.0431	3.3980	0.0284	3.4264	0.9012	0.0261	0.9273		3,615.9534	3,615.9534	0.1855			3,619.8494
<b>Total</b>	<b>2.3524</b>	<b>12.8155</b>	<b>32.7074</b>	<b>0.0713</b>	<b>4.2105</b>	<b>0.2133</b>	<b>4.4238</b>	<b>1.1326</b>	<b>0.1961</b>	<b>1.3287</b>		<b>6,450.3294</b>	<b>6,450.3294</b>	<b>0.2058</b>			<b>6,454.6502</b>

#### 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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>	<b>0.0000</b>	<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>			<b>2,683.1890</b>

### 3.5 Building Construction - 2016

#### 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	1.0824	11.2278	12.9468	0.0283	0.8125	0.1849	0.9974	0.2314	0.1700	0.4014		2,834.3759	2,834.3759	0.0202			2,834.8008
Worker	1.2700	1.5878	19.7606	0.0431	3.3980	0.0284	3.4264	0.9012	0.0261	0.9273		3,615.9534	3,615.9534	0.1855			3,619.8494
<b>Total</b>	<b>2.3524</b>	<b>12.8155</b>	<b>32.7074</b>	<b>0.0713</b>	<b>4.2105</b>	<b>0.2133</b>	<b>4.4238</b>	<b>1.1326</b>	<b>0.1961</b>	<b>1.3287</b>		<b>6,450.3294</b>	<b>6,450.3294</b>	<b>0.2058</b>			<b>6,454.6502</b>

### 3.5 Building Construction - 2017

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497			2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>			<b>2,653.4490</b>

### 3.5 Building Construction - 2017

#### 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	0.9918	10.2162	12.1754	0.0282	0.8127	0.1649	0.9776	0.2315	0.1516	0.3831		2,788.4669	2,788.4669	0.0196			2,788.8775
Worker	1.1412	1.4335	17.8739	0.0430	3.3980	0.0273	3.4253	0.9012	0.0252	0.9264		3,477.5578	3,477.5578	0.1712			3,481.1528
<b>Total</b>	<b>2.1330</b>	<b>11.6497</b>	<b>30.0493</b>	<b>0.0713</b>	<b>4.2107</b>	<b>0.1922</b>	<b>4.4029</b>	<b>1.1327</b>	<b>0.1768</b>	<b>1.3095</b>		<b>6,266.0247</b>	<b>6,266.0247</b>	<b>0.1907</b>			<b>6,270.0303</b>

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>			<b>2,653.4490</b>



### 3.5 Building Construction - 2017

#### 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	0.9918	10.2162	12.1754	0.0282	0.8127	0.1649	0.9776	0.2315	0.1516	0.3831		2,788.4669	2,788.4669	0.0196			2,788.8775
Worker	1.1412	1.4335	17.8739	0.0430	3.3980	0.0273	3.4253	0.9012	0.0252	0.9264		3,477.5578	3,477.5578	0.1712			3,481.1528
<b>Total</b>	<b>2.1330</b>	<b>11.6497</b>	<b>30.0493</b>	<b>0.0713</b>	<b>4.2107</b>	<b>0.1922</b>	<b>4.4029</b>	<b>1.1327</b>	<b>0.1768</b>	<b>1.3095</b>		<b>6,266.0247</b>	<b>6,266.0247</b>	<b>0.1907</b>			<b>6,270.0303</b>

### 3.6 Paving - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989			2,295.7360
Paving	0.3445					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>2.2519</b>	<b>20.2964</b>	<b>14.7270</b>	<b>0.0223</b>		<b>1.1384</b>	<b>1.1384</b>		<b>1.0473</b>	<b>1.0473</b>		<b>2,281.0588</b>	<b>2,281.0588</b>	<b>0.6989</b>			<b>2,295.7360</b>

### 3.6 Paving - 2017

#### 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	0.0563	0.0707	0.8819	2.1200e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		171.5900	171.5900	8.4500e-003			171.7674
<b>Total</b>	<b>0.0563</b>	<b>0.0707</b>	<b>0.8819</b>	<b>2.1200e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>171.5900</b>	<b>171.5900</b>	<b>8.4500e-003</b>			<b>171.7674</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989			2,295.7360
Paving	0.3445					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>2.2519</b>	<b>20.2964</b>	<b>14.7270</b>	<b>0.0223</b>		<b>1.1384</b>	<b>1.1384</b>		<b>1.0473</b>	<b>1.0473</b>	<b>0.0000</b>	<b>2,281.0588</b>	<b>2,281.0588</b>	<b>0.6989</b>			<b>2,295.7360</b>

### 3.6 Paving - 2017

#### 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	0.0563	0.0707	0.8819	2.1200e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		171.5900	171.5900	8.4500e-003			171.7674
<b>Total</b>	<b>0.0563</b>	<b>0.0707</b>	<b>0.8819</b>	<b>2.1200e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>171.5900</b>	<b>171.5900</b>	<b>8.4500e-003</b>			<b>171.7674</b>

### 3.7 Architectural Coating - 2017

#### 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	787.0954					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
<b>Total</b>	<b>787.4277</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.7 Architectural Coating - 2017

#### 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	0.2290	0.2876	3.5866	8.6400e-003	0.6818	5.4800e-003	0.6873	0.1808	5.0600e-003	0.1859		697.7994	697.7994	0.0344			698.5208
<b>Total</b>	<b>0.2290</b>	<b>0.2876</b>	<b>3.5866</b>	<b>8.6400e-003</b>	<b>0.6818</b>	<b>5.4800e-003</b>	<b>0.6873</b>	<b>0.1808</b>	<b>5.0600e-003</b>	<b>0.1859</b>		<b>697.7994</b>	<b>697.7994</b>	<b>0.0344</b>			<b>698.5208</b>

#### 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	787.0954					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721
<b>Total</b>	<b>787.4277</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.7 Architectural Coating - 2017

#### 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	0.2290	0.2876	3.5866	8.6400e-003	0.6818	5.4800e-003	0.6873	0.1808	5.0600e-003	0.1859		697.7994	697.7994	0.0344		698.5208
<b>Total</b>	<b>0.2290</b>	<b>0.2876</b>	<b>3.5866</b>	<b>8.6400e-003</b>	<b>0.6818</b>	<b>5.4800e-003</b>	<b>0.6873</b>	<b>0.1808</b>	<b>5.0600e-003</b>	<b>0.1859</b>		<b>697.7994</b>	<b>697.7994</b>	<b>0.0344</b>		<b>698.5208</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	33.5050	74.8504	319.9385	0.6229	41.1787	1.0623	42.2410	11.0010	0.9758	11.9768		56,211.32 64	56,211.32 64	2.4335		56,262.42 94
Unmitigated	36.1839	93.3193	389.4490	0.8074	53.8875	1.3646	55.2521	14.3961	1.2537	15.6498		72,881.20 73	72,881.20 73	3.0852		72,945.99 69

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	91.00	91.00	91.00	261,856	200,100
Enclosed Parking with Elevator	0.00	0.00	0.00		
Government (Civic Center)	2,895.09	0.00	0.00	6,386,011	4,879,934
Library	4,674.06	6,423.90	3517.62	12,014,554	9,181,042
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>7,660.15</b>	<b>6,514.90</b>	<b>3,608.62</b>	<b>18,662,422</b>	<b>14,261,076</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.514499	0.060499	0.179997	0.139763	0.042095	0.006675	0.015446	0.029572	0.001914	0.002508	0.004341	0.000594	0.002098

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.1681	1.5281	1.2836	9.1700e-003		0.1161	0.1161		0.1161	0.1161		1,833.6728	1,833.6728	0.0352	0.0336	1,844.8323
NaturalGas Unmitigated	0.1681	1.5281	1.2836	9.1700e-003		0.1161	0.1161		0.1161	0.1161		1,833.6728	1,833.6728	0.0352	0.0336	1,844.8323

**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						
City Park	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
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	8474.49	0.0914	0.8308	0.6979	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.9992	996.9992	0.0191	0.0183	1,003.0668	
Library	7111.73	0.0767	0.6972	0.5857	4.1800e-003		0.0530	0.0530		0.0530	0.0530		836.6737	836.6737	0.0160	0.0153	841.7655	
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	
<b>Total</b>		<b>0.1681</b>	<b>1.5281</b>	<b>1.2836</b>	<b>9.1600e-003</b>		<b>0.1161</b>	<b>0.1161</b>		<b>0.1161</b>	<b>0.1161</b>		<b>1,833.6728</b>	<b>1,833.6728</b>	<b>0.0352</b>	<b>0.0336</b>	<b>1,844.8323</b>	



### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	8.47449	0.0914	0.8308	0.6979	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.9992	996.9992	0.0191	0.0183	1,003.0668
Library	7.11173	0.0767	0.6972	0.5857	4.1800e-003		0.0530	0.0530		0.0530	0.0530		836.6737	836.6737	0.0160	0.0153	841.7655
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
City Park	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
<b>Total</b>		<b>0.1681</b>	<b>1.5281</b>	<b>1.2836</b>	<b>9.1600e-003</b>		<b>0.1161</b>	<b>0.1161</b>		<b>0.1161</b>	<b>0.1161</b>		<b>1,833.6728</b>	<b>1,833.6728</b>	<b>0.0352</b>	<b>0.0336</b>	<b>1,844.8323</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.2419	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
Unmitigated	19.9670	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997

## 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	4.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.6497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.4800e-003	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
<b>Total</b>	<b>19.9670</b>	<b>4.4000e-004</b>	<b>0.0454</b>	<b>0.0000</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>		<b>0.0940</b>	<b>0.0940</b>	<b>2.7000e-004</b>		<b>0.0997</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.6497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.4800e-003	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
<b>Total</b>	<b>18.2419</b>	<b>4.4000e-004</b>	<b>0.0454</b>	<b>0.0000</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>		<b>0.0940</b>	<b>0.0940</b>	<b>2.7000e-004</b>		<b>0.0997</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

**Long Beach Civic Center - Existing**  
**South Coast AQMD Air District, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	283.00	1000sqft	3.40	283,000.00	0
Library	138.00	1000sqft	2.10	138,000.00	0
City Park	2.60	Acre	2.60	113,256.00	0
Enclosed Parking with Elevator	3.25	Acre	3.25	141,570.00	0
Parking Lot	0.83	Acre	0.83	36,154.80	0
Parking Lot	1.80	Acre	1.80	78,408.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2015
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	630.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Estimated from Google Earth. Old Courthouse not included as it is non-operational.

Vehicle Trips - From Traffic Study, LLG 2015.

Mobile Land Use Mitigation -

Area Mitigation - Use of low-VOC paint (150 g/L for nonflat coatings) SCAQMD Rule 1113.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	150
tblLandUse	LotAcreage	6.50	3.40
tblLandUse	LotAcreage	3.17	2.10
tblProjectCharacteristics	OperationalYear	2014	2015
tblVehicleTrips	ST_TR	1.59	35.00
tblVehicleTrips	SU_TR	1.59	35.00
tblVehicleTrips	WD_TR	1.59	35.00
tblVehicleTrips	WD_TR	27.92	10.23
tblVehicleTrips	WD_TR	56.24	33.87

## 2.0 Emissions Summary

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**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	19.9670	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
Energy	0.1681	1.5281	1.2836	9.1700e-003		0.1161	0.1161		0.1161	0.1161		1,833.6728	1,833.6728	0.0352	0.0336	1,844.8323
Mobile	37.6133	98.1068	386.4701	0.7670	53.8875	1.3736	55.2611	14.3961	1.2619	15.6580		69,328.9544	69,328.9544	3.0877		69,393.7967
<b>Total</b>	<b>57.7484</b>	<b>99.6353</b>	<b>387.7990</b>	<b>0.7762</b>	<b>53.8875</b>	<b>1.4898</b>	<b>55.3774</b>	<b>14.3961</b>	<b>1.3782</b>	<b>15.7743</b>		<b>71,162.7213</b>	<b>71,162.7213</b>	<b>3.1232</b>	<b>0.0336</b>	<b>71,238.7287</b>

**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	18.2419	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
Energy	0.1681	1.5281	1.2836	9.1700e-003		0.1161	0.1161		0.1161	0.1161		1,833.6728	1,833.6728	0.0352	0.0336	1,844.8323
Mobile	35.0077	78.5474	323.7247	0.5919	41.1787	1.0713	42.2500	11.0010	0.9841	11.9850		53,477.6343	53,477.6343	2.4360		53,528.7900
<b>Total</b>	<b>53.4176</b>	<b>80.0759</b>	<b>325.0536</b>	<b>0.6011</b>	<b>41.1787</b>	<b>1.1876</b>	<b>42.3662</b>	<b>11.0010</b>	<b>1.1004</b>	<b>12.1013</b>		<b>55,311.4012</b>	<b>55,311.4012</b>	<b>2.4714</b>	<b>0.0336</b>	<b>55,373.7220</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.50	19.63	16.18	22.55	23.58	20.29	23.50	23.58	20.16	23.28	0.00	22.27	22.27	20.87	0.00	22.27

### 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	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/11/2016	5	10	
3	Grading	Grading	2/12/2016	3/24/2016	5	30	
4	Building Construction	Building Construction	3/25/2016	5/18/2017	5	300	
5	Paving	Paving	5/19/2017	6/15/2017	5	20	
6	Architectural Coating	Architectural Coating	6/16/2017	7/13/2017	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,018,894; Non-Residential Outdoor: 339,631 (Architectural Coating – sqft)

#### OffRoad Equipment



Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	304.00	130.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2016

#### 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	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4
<b>Total</b>	<b>4.2876</b>	<b>45.6559</b>	<b>35.0303</b>	<b>0.0399</b>		<b>2.2921</b>	<b>2.2921</b>		<b>2.1365</b>	<b>2.1365</b>		<b>4,089.284 1</b>	<b>4,089.284 1</b>	<b>1.1121</b>		<b>4,112.637 4</b>

### 3.2 Demolition - 2016

#### 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	0.0640	0.0860	0.8984	1.9900e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		167.3573	167.3573	9.1500e-003			167.5495
<b>Total</b>	<b>0.0640</b>	<b>0.0860</b>	<b>0.8984</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.4000e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.2900e-003</b>	<b>0.0458</b>		<b>167.3573</b>	<b>167.3573</b>	<b>9.1500e-003</b>			<b>167.5495</b>

#### 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	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365	0.0000	4,089.2841	4,089.2841	1.1121			4,112.6374
<b>Total</b>	<b>4.2876</b>	<b>45.6559</b>	<b>35.0303</b>	<b>0.0399</b>		<b>2.2921</b>	<b>2.2921</b>		<b>2.1365</b>	<b>2.1365</b>	<b>0.0000</b>	<b>4,089.2841</b>	<b>4,089.2841</b>	<b>1.1121</b>			<b>4,112.6374</b>

### 3.2 Demolition - 2016

#### 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	0.0640	0.0860	0.8984	1.9900e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		167.3573	167.3573	9.1500e-003			167.5495
<b>Total</b>	<b>0.0640</b>	<b>0.0860</b>	<b>0.8984</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.4000e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.2900e-003</b>	<b>0.0458</b>		<b>167.3573</b>	<b>167.3573</b>	<b>9.1500e-003</b>			<b>167.5495</b>

### 3.3 Site Preparation - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
<b>Total</b>	<b>5.0771</b>	<b>54.6323</b>	<b>41.1053</b>	<b>0.0391</b>	<b>18.0663</b>	<b>2.9387</b>	<b>21.0049</b>	<b>9.9307</b>	<b>2.7036</b>	<b>12.6343</b>		<b>4,065.0053</b>	<b>4,065.0053</b>	<b>1.2262</b>		<b>4,090.7544</b>

### 3.3 Site Preparation - 2016

#### 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	0.0768	0.1032	1.0780	2.3900e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		200.8288	200.8288	0.0110			201.0594
<b>Total</b>	<b>0.0768</b>	<b>0.1032</b>	<b>1.0780</b>	<b>2.3900e-003</b>	<b>0.2012</b>	<b>1.6800e-003</b>	<b>0.2029</b>	<b>0.0534</b>	<b>1.5500e-003</b>	<b>0.0549</b>		<b>200.8288</b>	<b>200.8288</b>	<b>0.0110</b>			<b>201.0594</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000	
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262			4,090.7544
<b>Total</b>	<b>5.0771</b>	<b>54.6323</b>	<b>41.1053</b>	<b>0.0391</b>	<b>18.0663</b>	<b>2.9387</b>	<b>21.0049</b>	<b>9.9307</b>	<b>2.7036</b>	<b>12.6343</b>	<b>0.0000</b>	<b>4,065.0053</b>	<b>4,065.0053</b>	<b>1.2262</b>			<b>4,090.7544</b>

### 3.3 Site Preparation - 2016

#### 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	0.0768	0.1032	1.0780	2.3900e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		200.8288	200.8288	0.0110			201.0594
<b>Total</b>	<b>0.0768</b>	<b>0.1032</b>	<b>1.0780</b>	<b>2.3900e-003</b>	<b>0.2012</b>	<b>1.6800e-003</b>	<b>0.2029</b>	<b>0.0534</b>	<b>1.5500e-003</b>	<b>0.0549</b>		<b>200.8288</b>	<b>200.8288</b>	<b>0.0110</b>			<b>201.0594</b>

### 3.4 Grading - 2016

#### 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000	
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350			6,455.6154
<b>Total</b>	<b>6.4795</b>	<b>74.8137</b>	<b>49.1374</b>	<b>0.0617</b>	<b>8.6733</b>	<b>3.5842</b>	<b>12.2576</b>	<b>3.5965</b>	<b>3.2975</b>	<b>6.8940</b>		<b>6,414.9807</b>	<b>6,414.9807</b>	<b>1.9350</b>			<b>6,455.6154</b>

### 3.4 Grading - 2016

#### 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	0.0853	0.1147	1.1978	2.6500e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		223.1431	223.1431	0.0122			223.3994
<b>Total</b>	<b>0.0853</b>	<b>0.1147</b>	<b>1.1978</b>	<b>2.6500e-003</b>	<b>0.2236</b>	<b>1.8700e-003</b>	<b>0.2254</b>	<b>0.0593</b>	<b>1.7200e-003</b>	<b>0.0610</b>		<b>223.1431</b>	<b>223.1431</b>	<b>0.0122</b>			<b>223.3994</b>

#### 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000	
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975	0.0000	6,414.9807	6,414.9807	1.9350			6,455.6154
<b>Total</b>	<b>6.4795</b>	<b>74.8137</b>	<b>49.1374</b>	<b>0.0617</b>	<b>8.6733</b>	<b>3.5842</b>	<b>12.2576</b>	<b>3.5965</b>	<b>3.2975</b>	<b>6.8940</b>	<b>0.0000</b>	<b>6,414.9807</b>	<b>6,414.9807</b>	<b>1.9350</b>			<b>6,455.6154</b>

### 3.4 Grading - 2016

#### 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	0.0853	0.1147	1.1978	2.6500e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		223.1431	223.1431	0.0122			223.3994
<b>Total</b>	<b>0.0853</b>	<b>0.1147</b>	<b>1.1978</b>	<b>2.6500e-003</b>	<b>0.2236</b>	<b>1.8700e-003</b>	<b>0.2254</b>	<b>0.0593</b>	<b>1.7200e-003</b>	<b>0.0610</b>		<b>223.1431</b>	<b>223.1431</b>	<b>0.0122</b>			<b>223.3994</b>

### 3.5 Building Construction - 2016

#### 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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>		<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>			<b>2,683.1890</b>



### 3.5 Building Construction - 2016

#### 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	1.1867	11.5112	15.5429	0.0281	0.8125	0.1868	0.9992	0.2314	0.1718	0.4031		2,810.605 4	2,810.605 4	0.0208			2,811.042 9
Worker	1.2967	1.7428	18.2070	0.0404	3.3980	0.0284	3.4264	0.9012	0.0261	0.9273		3,391.774 4	3,391.774 4	0.1855			3,395.670 4
<b>Total</b>	<b>2.4833</b>	<b>13.2540</b>	<b>33.7498</b>	<b>0.0684</b>	<b>4.2105</b>	<b>0.2152</b>	<b>4.4256</b>	<b>1.1326</b>	<b>0.1979</b>	<b>1.3304</b>		<b>6,202.379 7</b>	<b>6,202.379 7</b>	<b>0.2064</b>			<b>6,206.713 2</b>

#### 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	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.286 4	2,669.286 4	0.6620			2,683.189 0
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>	<b>0.0000</b>	<b>2,669.286 4</b>	<b>2,669.286 4</b>	<b>0.6620</b>			<b>2,683.189 0</b>

### 3.5 Building Construction - 2016

#### 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	1.1867	11.5112	15.5429	0.0281	0.8125	0.1868	0.9992	0.2314	0.1718	0.4031		2,810.605 4	2,810.605 4	0.0208			2,811.042 9
Worker	1.2967	1.7428	18.2070	0.0404	3.3980	0.0284	3.4264	0.9012	0.0261	0.9273		3,391.774 4	3,391.774 4	0.1855			3,395.670 4
<b>Total</b>	<b>2.4833</b>	<b>13.2540</b>	<b>33.7498</b>	<b>0.0684</b>	<b>4.2105</b>	<b>0.2152</b>	<b>4.4256</b>	<b>1.1326</b>	<b>0.1979</b>	<b>1.3304</b>		<b>6,202.379 7</b>	<b>6,202.379 7</b>	<b>0.2064</b>			<b>6,206.713 2</b>

### 3.5 Building Construction - 2017

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.805 3	2,639.805 3	0.6497			2,653.449 0
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>		<b>2,639.805 3</b>	<b>2,639.805 3</b>	<b>0.6497</b>			<b>2,653.449 0</b>

### 3.5 Building Construction - 2017

#### 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	1.0836	10.4679	14.7548	0.0280	0.8127	0.1665	0.9792	0.2315	0.1531	0.3846		2,765.0241	2,765.0241	0.0202			2,765.4476
Worker	1.1626	1.5731	16.4099	0.0403	3.3980	0.0273	3.4253	0.9012	0.0252	0.9264		3,261.4970	3,261.4970	0.1712			3,265.0920
<b>Total</b>	<b>2.2461</b>	<b>12.0410</b>	<b>31.1647</b>	<b>0.0684</b>	<b>4.2107</b>	<b>0.1938</b>	<b>4.4046</b>	<b>1.1327</b>	<b>0.1783</b>	<b>1.3110</b>		<b>6,026.5211</b>	<b>6,026.5211</b>	<b>0.1914</b>			<b>6,030.5395</b>

#### 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	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730	0.0000	2,639.8053	2,639.8053	0.6497			2,653.4490
<b>Total</b>	<b>3.1024</b>	<b>26.4057</b>	<b>18.1291</b>	<b>0.0268</b>		<b>1.7812</b>	<b>1.7812</b>		<b>1.6730</b>	<b>1.6730</b>	<b>0.0000</b>	<b>2,639.8053</b>	<b>2,639.8053</b>	<b>0.6497</b>			<b>2,653.4490</b>

### 3.5 Building Construction - 2017

#### 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	1.0836	10.4679	14.7548	0.0280	0.8127	0.1665	0.9792	0.2315	0.1531	0.3846		2,765.0241	2,765.0241	0.0202			2,765.4476
Worker	1.1626	1.5731	16.4099	0.0403	3.3980	0.0273	3.4253	0.9012	0.0252	0.9264		3,261.4970	3,261.4970	0.1712			3,265.0920
<b>Total</b>	<b>2.2461</b>	<b>12.0410</b>	<b>31.1647</b>	<b>0.0684</b>	<b>4.2107</b>	<b>0.1938</b>	<b>4.4046</b>	<b>1.1327</b>	<b>0.1783</b>	<b>1.3110</b>		<b>6,026.5211</b>	<b>6,026.5211</b>	<b>0.1914</b>			<b>6,030.5395</b>

### 3.6 Paving - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989			2,295.7360
Paving	0.3445					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>2.2519</b>	<b>20.2964</b>	<b>14.7270</b>	<b>0.0223</b>		<b>1.1384</b>	<b>1.1384</b>		<b>1.0473</b>	<b>1.0473</b>		<b>2,281.0588</b>	<b>2,281.0588</b>	<b>0.6989</b>			<b>2,295.7360</b>

### 3.6 Paving - 2017

#### 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	0.0574	0.0776	0.8097	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9291	160.9291	8.4500e-003			161.1065
<b>Total</b>	<b>0.0574</b>	<b>0.0776</b>	<b>0.8097</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>160.9291</b>	<b>160.9291</b>	<b>8.4500e-003</b>			<b>161.1065</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989			2,295.7360
Paving	0.3445					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>2.2519</b>	<b>20.2964</b>	<b>14.7270</b>	<b>0.0223</b>		<b>1.1384</b>	<b>1.1384</b>		<b>1.0473</b>	<b>1.0473</b>	<b>0.0000</b>	<b>2,281.0588</b>	<b>2,281.0588</b>	<b>0.6989</b>			<b>2,295.7360</b>

### 3.6 Paving - 2017

#### 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	0.0574	0.0776	0.8097	1.9900e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2400e-003	0.0457		160.9291	160.9291	8.4500e-003			161.1065
<b>Total</b>	<b>0.0574</b>	<b>0.0776</b>	<b>0.8097</b>	<b>1.9900e-003</b>	<b>0.1677</b>	<b>1.3500e-003</b>	<b>0.1690</b>	<b>0.0445</b>	<b>1.2400e-003</b>	<b>0.0457</b>		<b>160.9291</b>	<b>160.9291</b>	<b>8.4500e-003</b>			<b>161.1065</b>

### 3.7 Architectural Coating - 2017

#### 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	787.0954					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297			282.0721
<b>Total</b>	<b>787.4277</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.7 Architectural Coating - 2017

#### 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	0.2333	0.3157	3.2928	8.0900e-003	0.6818	5.4800e-003	0.6873	0.1808	5.0600e-003	0.1859		654.4451	654.4451	0.0344			655.1665
<b>Total</b>	<b>0.2333</b>	<b>0.3157</b>	<b>3.2928</b>	<b>8.0900e-003</b>	<b>0.6818</b>	<b>5.4800e-003</b>	<b>0.6873</b>	<b>0.1808</b>	<b>5.0600e-003</b>	<b>0.1859</b>		<b>654.4451</b>	<b>654.4451</b>	<b>0.0344</b>			<b>655.1665</b>

#### 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	787.0954					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297			282.0721
<b>Total</b>	<b>787.4277</b>	<b>2.1850</b>	<b>1.8681</b>	<b>2.9700e-003</b>		<b>0.1733</b>	<b>0.1733</b>		<b>0.1733</b>	<b>0.1733</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0297</b>			<b>282.0721</b>

### 3.7 Architectural Coating - 2017

#### 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	0.2333	0.3157	3.2928	8.0900e-003	0.6818	5.4800e-003	0.6873	0.1808	5.0600e-003	0.1859		654.4451	654.4451	0.0344			655.1665
<b>Total</b>	<b>0.2333</b>	<b>0.3157</b>	<b>3.2928</b>	<b>8.0900e-003</b>	<b>0.6818</b>	<b>5.4800e-003</b>	<b>0.6873</b>	<b>0.1808</b>	<b>5.0600e-003</b>	<b>0.1859</b>		<b>654.4451</b>	<b>654.4451</b>	<b>0.0344</b>			<b>655.1665</b>

### 4.0 Operational Detail - Mobile

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#### 4.1 Mitigation Measures Mobile

Increase Transit Accessibility



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	35.0077	78.5474	323.7247	0.5919	41.1787	1.0713	42.2500	11.0010	0.9841	11.9850		53,477.63 43	53,477.63 43	2.4360		53,528.79 00
Unmitigated	37.6133	98.1068	386.4701	0.7670	53.8875	1.3736	55.2611	14.3961	1.2619	15.6580		69,328.95 44	69,328.95 44	3.0877		69,393.79 67

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	91.00	91.00	91.00	261,856	200,100
Enclosed Parking with Elevator	0.00	0.00	0.00		
Government (Civic Center)	2,895.09	0.00	0.00	6,386,011	4,879,934
Library	4,674.06	6,423.90	3517.62	12,014,554	9,181,042
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>7,660.15</b>	<b>6,514.90</b>	<b>3,608.62</b>	<b>18,662,422</b>	<b>14,261,076</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.514499	0.060499	0.179997	0.139763	0.042095	0.006675	0.015446	0.029572	0.001914	0.002508	0.004341	0.000594	0.002098

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.1681	1.5281	1.2836	9.1700e-003		0.1161	0.1161		0.1161	0.1161		1,833.6728	1,833.6728	0.0352	0.0336	1,844.8323
NaturalGas Unmitigated	0.1681	1.5281	1.2836	9.1700e-003		0.1161	0.1161		0.1161	0.1161		1,833.6728	1,833.6728	0.0352	0.0336	1,844.8323

**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					
City Park	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
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	8474.49	0.0914	0.8308	0.6979	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.9992	996.9992	0.0191	0.0183	1,003.0668
Library	7111.73	0.0767	0.6972	0.5857	4.1800e-003		0.0530	0.0530		0.0530	0.0530		836.6737	836.6737	0.0160	0.0153	841.7655
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
<b>Total</b>		<b>0.1681</b>	<b>1.5281</b>	<b>1.2836</b>	<b>9.1600e-003</b>		<b>0.1161</b>	<b>0.1161</b>		<b>0.1161</b>	<b>0.1161</b>		<b>1,833.6728</b>	<b>1,833.6728</b>	<b>0.0352</b>	<b>0.0336</b>	<b>1,844.8323</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	8.47449	0.0914	0.8308	0.6979	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.9992	996.9992	0.0191	0.0183	1,003.0668
Library	7.11173	0.0767	0.6972	0.5857	4.1800e-003		0.0530	0.0530		0.0530	0.0530		836.6737	836.6737	0.0160	0.0153	841.7655
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
City Park	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
<b>Total</b>		<b>0.1681</b>	<b>1.5281</b>	<b>1.2836</b>	<b>9.1600e-003</b>		<b>0.1161</b>	<b>0.1161</b>		<b>0.1161</b>	<b>0.1161</b>		<b>1,833.6728</b>	<b>1,833.6728</b>	<b>0.0352</b>	<b>0.0336</b>	<b>1,844.8323</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.2419	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
Unmitigated	19.9670	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997

## 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	4.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.6497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.4800e-003	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
<b>Total</b>	<b>19.9670</b>	<b>4.4000e-004</b>	<b>0.0454</b>	<b>0.0000</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>		<b>0.0940</b>	<b>0.0940</b>	<b>2.7000e-004</b>		<b>0.0997</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5877					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.6497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.4800e-003	4.4000e-004	0.0454	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0940	0.0940	2.7000e-004		0.0997
<b>Total</b>	<b>18.2419</b>	<b>4.4000e-004</b>	<b>0.0454</b>	<b>0.0000</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>		<b>0.0940</b>	<b>0.0940</b>	<b>2.7000e-004</b>		<b>0.0997</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

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**Project with Mitigation Measure AQ-3  
Long Beach Civic Center  
South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	575.79	1000sqft	3.78	575,793.00	0
Library	92.00	1000sqft	1.73	92,000.00	0
Enclosed Parking with Elevator	509.00	Space	0.00	203,600.00	0
Enclosed Parking with Elevator	250.00	Space	0.00	100,000.00	0
Enclosed Parking with Elevator	725.00	Space	0.00	290,000.00	0
City Park	3.17	Acre	3.17	138,085.20	0
High Turnover (Sit Down Restaurant)	8.00	1000sqft	0.00	8,000.00	0
Hotel	200.00	Room	0.00	290,400.00	0
Condo/Townhouse High Rise	200.00	Dwelling Unit	0.90	235,000.00	572
Condo/Townhouse High Rise	580.00	Dwelling Unit	6.29	650,000.00	1659
Regional Shopping Center	32.00	1000sqft	0.00	32,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Civic Center includes City Hall, Port Bldg, and plaza. Total lot acreage divided by uses (estimated from site plan). SF from PD.

Construction Phase - Construction Schedule from applicant provided material. Courthouse Demolition assumed to occur before grading begins.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Demolition includes City Hall, Library, and Old Courthouse.

Grading - Grading area estimated from export study.

Architectural Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. SF updated based on phasing.

Vehicle Trips - Trip rates from LLG Traffic Study (Appendix E).

Woodstoves - Assumed compliance with SCAQMD's Healthy Hearths Initiative Rule 445 - wood burning devices cannot be installed in new developments.

Area Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. Non-residential SF does not include park.

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Fugitive Dust Rule 403 and Downtown Plan EIR Mitigation Measure AQ-1(c).

Mobile Land Use Mitigation - Approx. 107 du/acre (Center Block and Third and Pacific Block). Project site in Downtown.

Mobile Commute Mitigation - Assumed compliance with Downtown Plan EIR Mitigation Measure AQ-2.

Area Mitigation - Use of low-VOC paint (150 g/L for nonflat coatings) SCAQMD Rule 1113. Assumed compliance with MM AQ-3.

Energy Mitigation - Assumed compliance with DP EIR MM AQ-2 and MM GHG-2(b). Light energy reduction [https://www.energystar.gov/index.cfm?c=ssl.pr\\_why\\_es\\_com](https://www.energystar.gov/index.cfm?c=ssl.pr_why_es_com)

Water Mitigation - Assumed compliance with DP EIR MM GHG-2(b)

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	864,939.00	435,697.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	864,939.00	50,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	864,939.00	310,200.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,594,817.00	1,307,090.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,594,817.00	150,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,594,817.00	930,600.00







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
tblConstructionPhase	NumDays	20.00	238.00
tblConstructionPhase	NumDays	20.00	132.00
tblConstructionPhase	NumDays	20.00	349.00
tblConstructionPhase	NumDays	300.00	87.00
tblConstructionPhase	NumDays	300.00	346.00
tblConstructionPhase	NumDays	300.00	694.00
tblConstructionPhase	NumDays	20.00	86.00
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	20.00	110.00
tblConstructionPhase	NumDays	30.00	154.00
tblConstructionPhase	NumDays	30.00	284.00
tblConstructionPhase	NumDays	30.00	66.00
tblConstructionPhase	NumDays	20.00	86.00
tblConstructionPhase	NumDays	20.00	195.00
tblConstructionPhase	NumDays	20.00	282.00
tblConstructionPhase	PhaseEndDate	1/26/2023	7/29/2022
tblConstructionPhase	PhaseEndDate	7/3/2018	10/31/2017
tblConstructionPhase	PhaseEndDate	3/4/2019	10/31/2019
tblConstructionPhase	PhaseEndDate	4/30/2020	3/31/2020
tblConstructionPhase	PhaseEndDate	4/29/2022	2/28/2022
tblConstructionPhase	PhaseEndDate	11/28/2019	4/30/2019
tblConstructionPhase	PhaseEndDate	9/29/2020	6/30/2020
tblConstructionPhase	PhaseEndDate	5/1/2020	11/29/2019
tblConstructionPhase	PhaseEndDate	2/1/2021	12/31/2020

tblConstructionPhase	PhaseEndDate	6/1/2017	3/31/2017
tblConstructionPhase	PhaseEndDate	3/2/2020	12/31/2019
tblConstructionPhase	PhaseEndDate	11/28/2022	7/29/2022
tblConstructionPhase	PhaseEndDate	1/28/2020	12/29/2017
tblConstructionPhase	PhaseEndDate	11/30/2020	11/29/2019
tblConstructionPhase	PhaseStartDate	3/1/2022	9/1/2021
tblConstructionPhase	PhaseStartDate	12/30/2017	5/1/2017
tblConstructionPhase	PhaseStartDate	11/1/2017	7/2/2018
tblConstructionPhase	PhaseStartDate	1/1/2020	12/2/2019
tblConstructionPhase	PhaseStartDate	1/1/2021	11/2/2020
tblConstructionPhase	PhaseStartDate	4/1/2017	9/1/2016
tblConstructionPhase	PhaseStartDate	4/1/2020	1/1/2020
tblConstructionPhase	PhaseStartDate	11/30/2019	7/1/2019
tblConstructionPhase	PhaseStartDate	7/1/2020	6/1/2020
tblConstructionPhase	PhaseStartDate	4/30/2016	3/1/2016
tblConstructionPhase	PhaseStartDate	11/30/2019	10/1/2019
tblConstructionPhase	PhaseStartDate	7/30/2022	4/1/2022
tblConstructionPhase	PhaseStartDate	5/1/2019	4/3/2017
tblConstructionPhase	PhaseStartDate	11/1/2019	11/1/2018
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	663.00	0.00
tblFireplaces	NumberNoFireplace	78.00	0.00
tblFireplaces	NumberWood	39.00	0.00
tblGrading	AcresOfGrading	385.00	2.00
tblGrading	AcresOfGrading	710.00	4.20
tblGrading	AcresOfGrading	165.00	3.10

tblGrading	MaterialExported	0.00	200,000.00
tblGrading	MaterialExported	0.00	180,000.00
tblGrading	MaterialImported	0.00	68,200.00
tblLandUse	LandUseSquareFeet	575,790.00	575,793.00
tblLandUse	LandUseSquareFeet	200,000.00	235,000.00
tblLandUse	LandUseSquareFeet	580,000.00	650,000.00
tblLandUse	LotAcreage	13.22	3.78
tblLandUse	LotAcreage	2.11	1.73
tblLandUse	LotAcreage	2.25	0.00
tblLandUse	LotAcreage	4.58	0.00
tblLandUse	LotAcreage	6.52	0.00
tblLandUse	LotAcreage	0.18	0.00
tblLandUse	LotAcreage	6.67	0.00
tblLandUse	LotAcreage	3.13	0.90
tblLandUse	LotAcreage	9.06	6.29
tblLandUse	LotAcreage	0.73	0.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	VendorTripNumber	367.00	354.00
tblTripsAndVMT	VendorTripNumber	367.00	354.00
tblTripsAndVMT	VendorTripNumber	367.00	354.00
tblTripsAndVMT	WorkerTripNumber	1,227.00	1,143.00
tblTripsAndVMT	WorkerTripNumber	1,227.00	1,143.00
tblTripsAndVMT	WorkerTripNumber	245.00	229.00
tblTripsAndVMT	WorkerTripNumber	1,227.00	1,143.00
tblTripsAndVMT	WorkerTripNumber	245.00	229.00
tblTripsAndVMT	WorkerTripNumber	245.00	229.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01

tblVehicleEF	HHD	3.16	3.42
tblVehicleEF	HHD	1.68	1.69
tblVehicleEF	HHD	53.80	51.65
tblVehicleEF	HHD	528.22	527.54
tblVehicleEF	HHD	1,524.51	1,522.69
tblVehicleEF	HHD	49.77	49.32
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.93	3.33
tblVehicleEF	HHD	4.25	3.36
tblVehicleEF	HHD	3.53	3.38
tblVehicleEF	HHD	9.7330e-003	9.3010e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	9.6100e-004	6.9000e-004
tblVehicleEF	HHD	8.9550e-003	8.5570e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.7220e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	8.6600e-004	6.4000e-004
tblVehicleEF	HHD	1.4370e-003	1.3690e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.56	0.61
tblVehicleEF	HHD	1.0510e-003	1.0190e-003
tblVehicleEF	HHD	0.24	0.24
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.42	1.22
tblVehicleEF	HHD	5.5990e-003	5.5920e-003

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.3960e-003
tblVehicleEF	HHD	1.4370e-003	1.3690e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.64	0.69
tblVehicleEF	HHD	1.0510e-003	1.0190e-003
tblVehicleEF	HHD	0.27	0.28
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.52	1.30
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.30	2.49
tblVehicleEF	HHD	1.69	1.70
tblVehicleEF	HHD	43.34	41.60
tblVehicleEF	HHD	559.60	558.89
tblVehicleEF	HHD	1,524.51	1,522.69
tblVehicleEF	HHD	49.77	49.32
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	4.06	3.43
tblVehicleEF	HHD	4.01	3.17
tblVehicleEF	HHD	3.38	3.24
tblVehicleEF	HHD	8.2050e-003	7.8410e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	9.6100e-004	6.9000e-004
tblVehicleEF	HHD	7.5490e-003	7.2140e-003
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.7160e-003	8.7220e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	8.6600e-004	6.4000e-004
tblVehicleEF	HHD	2.3200e-003	2.1960e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.53	0.57
tblVehicleEF	HHD	1.6920e-003	1.6070e-003
tblVehicleEF	HHD	0.24	0.24
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.24	1.06
tblVehicleEF	HHD	5.9320e-003	5.9240e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.2330e-003
tblVehicleEF	HHD	2.3200e-003	2.1960e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.60	0.65
tblVehicleEF	HHD	1.6920e-003	1.6070e-003
tblVehicleEF	HHD	0.27	0.28
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.32	1.14
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.35	4.71
tblVehicleEF	HHD	1.68	1.69
tblVehicleEF	HHD	54.58	52.38
tblVehicleEF	HHD	484.88	484.26
tblVehicleEF	HHD	1,524.51	1,522.69
tblVehicleEF	HHD	49.77	49.32



tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.76	3.18
tblVehicleEF	HHD	4.18	3.31
tblVehicleEF	HHD	3.54	3.40
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	9.6100e-004	6.9000e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.7220e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	8.6600e-004	6.4000e-004
tblVehicleEF	HHD	1.4620e-003	1.3640e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.61	0.66
tblVehicleEF	HHD	1.0540e-003	1.0120e-003
tblVehicleEF	HHD	0.24	0.24
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.44	1.23
tblVehicleEF	HHD	5.1400e-003	5.1330e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.4080e-003
tblVehicleEF	HHD	1.4620e-003	1.3640e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.69	0.75
tblVehicleEF	HHD	1.0540e-003	1.0120e-003

tblVehicleEF	HHD	0.27	0.28
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.54	1.31
tblVehicleEF	LDA	9.9910e-003	9.4500e-003
tblVehicleEF	LDA	5.4270e-003	4.6120e-003
tblVehicleEF	LDA	0.77	0.71
tblVehicleEF	LDA	1.39	1.21
tblVehicleEF	LDA	248.70	239.34
tblVehicleEF	LDA	52.85	50.62
tblVehicleEF	LDA	0.51	0.50
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.09	0.07
tblVehicleEF	LDA	1.9290e-003	2.0080e-003
tblVehicleEF	LDA	3.3720e-003	3.7590e-003
tblVehicleEF	LDA	1.7880e-003	1.8620e-003
tblVehicleEF	LDA	3.1270e-003	3.4870e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	3.5970e-003	3.6040e-003
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.03	0.02

tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	9.9910e-003	9.4500e-003
tblVehicleEF	LDA	5.4270e-003	4.6120e-003
tblVehicleEF	LDA	0.86	0.79
tblVehicleEF	LDA	1.09	0.95
tblVehicleEF	LDA	261.60	251.82
tblVehicleEF	LDA	52.85	50.62
tblVehicleEF	LDA	0.51	0.50
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.9290e-003	2.0080e-003
tblVehicleEF	LDA	3.3720e-003	3.7590e-003
tblVehicleEF	LDA	1.7880e-003	1.8620e-003
tblVehicleEF	LDA	3.1270e-003	3.4870e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	3.7860e-003	3.7940e-003
tblVehicleEF	LDA	7.5600e-004	7.5400e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.19

tblVehicleEF	LDA	0.09	0.07
tblVehicleEF	LDA	9.9910e-003	9.4500e-003
tblVehicleEF	LDA	5.4270e-003	4.6120e-003
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tblVehicleEF	LDA	1.44	1.25
tblVehicleEF	LDA	244.71	235.50
tblVehicleEF	LDA	52.85	50.62
tblVehicleEF	LDA	0.51	0.50
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.07
tblVehicleEF	LDA	1.9290e-003	2.0080e-003
tblVehicleEF	LDA	3.3720e-003	3.7590e-003
tblVehicleEF	LDA	1.7880e-003	1.8620e-003
tblVehicleEF	LDA	3.1270e-003	3.4870e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	3.5390e-003	3.5450e-003
tblVehicleEF	LDA	7.6200e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.09

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	2.05	1.76
tblVehicleEF	LDT1	3.77	3.19
tblVehicleEF	LDT1	303.51	294.33
tblVehicleEF	LDT1	63.81	61.80
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.18
tblVehicleEF	LDT1	0.22	0.19
tblVehicleEF	LDT1	3.6870e-003	3.3980e-003
tblVehicleEF	LDT1	4.7320e-003	4.6830e-003
tblVehicleEF	LDT1	3.4190e-003	3.1520e-003
tblVehicleEF	LDT1	4.3890e-003	4.3440e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.93	0.85
tblVehicleEF	LDT1	0.28	0.23
tblVehicleEF	LDT1	4.1550e-003	4.1640e-003
tblVehicleEF	LDT1	9.1300e-004	9.0500e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.93	0.85
tblVehicleEF	LDT1	0.30	0.25
tblVehicleEF	LDT1	0.02	0.02

tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	2.24	1.94
tblVehicleEF	LDT1	2.97	2.52
tblVehicleEF	LDT1	318.71	309.20
tblVehicleEF	LDT1	63.81	61.80
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.6870e-003	3.3980e-003
tblVehicleEF	LDT1	4.7320e-003	4.6830e-003
tblVehicleEF	LDT1	3.4190e-003	3.1520e-003
tblVehicleEF	LDT1	4.3890e-003	4.3440e-003
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.30	0.28
tblVehicleEF	LDT1	0.18	0.17
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.87	0.80
tblVehicleEF	LDT1	0.24	0.20
tblVehicleEF	LDT1	4.3690e-003	4.3790e-003
tblVehicleEF	LDT1	8.9900e-004	8.9400e-004
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.30	0.28
tblVehicleEF	LDT1	0.18	0.17
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	0.87	0.80
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.01

tblVehicleEF	LDT1	1.98	1.71
tblVehicleEF	LDT1	3.88	3.29
tblVehicleEF	LDT1	299.01	289.93
tblVehicleEF	LDT1	63.81	61.80
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	0.22	0.19
tblVehicleEF	LDT1	3.6870e-003	3.3980e-003
tblVehicleEF	LDT1	4.7320e-003	4.6830e-003
tblVehicleEF	LDT1	3.4190e-003	3.1520e-003
tblVehicleEF	LDT1	4.3890e-003	4.3440e-003
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.31	0.29
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	1.10	1.00
tblVehicleEF	LDT1	0.28	0.24
tblVehicleEF	LDT1	4.0920e-003	4.1010e-003
tblVehicleEF	LDT1	9.1500e-004	9.0700e-004
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.31	0.29
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	1.10	1.00
tblVehicleEF	LDT1	0.30	0.26
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	6.6260e-003
tblVehicleEF	LDT2	1.07	0.95

tblVehicleEF	LDT2	2.03	1.71
tblVehicleEF	LDT2	369.06	359.70
tblVehicleEF	LDT2	77.44	75.28
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.10
tblVehicleEF	LDT2	0.18	0.14
tblVehicleEF	LDT2	1.9220e-003	1.9830e-003
tblVehicleEF	LDT2	3.3610e-003	3.7230e-003
tblVehicleEF	LDT2	1.7830e-003	1.8400e-003
tblVehicleEF	LDT2	3.1180e-003	3.4540e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.39
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	4.8850e-003	4.8920e-003
tblVehicleEF	LDT2	1.0390e-003	1.0350e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.41	0.39
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	6.6260e-003
tblVehicleEF	LDT2	1.19	1.06
tblVehicleEF	LDT2	1.60	1.35



tblVehicleEF	LDT2	387.84	378.07
tblVehicleEF	LDT2	77.44	75.28
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.9220e-003	1.9830e-003
tblVehicleEF	LDT2	3.3610e-003	3.7230e-003
tblVehicleEF	LDT2	1.7830e-003	1.8400e-003
tblVehicleEF	LDT2	3.1180e-003	3.4540e-003
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.39	0.36
tblVehicleEF	LDT2	0.12	0.10
tblVehicleEF	LDT2	5.1360e-003	5.1440e-003
tblVehicleEF	LDT2	1.0320e-003	1.0290e-003
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.04	0.03
tblVehicleEF	LDT2	0.39	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	6.6260e-003
tblVehicleEF	LDT2	1.03	0.92
tblVehicleEF	LDT2	2.10	1.77
tblVehicleEF	LDT2	363.33	354.11

tblVehicleEF	LDT2	77.44	75.28
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.18	0.14
tblVehicleEF	LDT2	1.9220e-003	1.9830e-003
tblVehicleEF	LDT2	3.3610e-003	3.7230e-003
tblVehicleEF	LDT2	1.7830e-003	1.8400e-003
tblVehicleEF	LDT2	3.1180e-003	3.4540e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.45
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	4.8080e-003	4.8150e-003
tblVehicleEF	LDT2	1.0410e-003	1.0360e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.48	0.45
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LHD1	1.2780e-003	1.2420e-003
tblVehicleEF	LHD1	0.01	9.7370e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	0.99	0.81
tblVehicleEF	LHD1	4.05	3.65

tblVehicleEF	LHD1	7.70	7.70
tblVehicleEF	LHD1	528.12	529.38
tblVehicleEF	LHD1	41.54	41.72
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.98	0.85
tblVehicleEF	LHD1	1.30	1.23
tblVehicleEF	LHD1	4.7900e-004	4.7700e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	8.9540e-003
tblVehicleEF	LHD1	6.6480e-003	6.0830e-003
tblVehicleEF	LHD1	9.0800e-004	7.6100e-004
tblVehicleEF	LHD1	4.4100e-004	4.3800e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1210e-003	5.6000e-003
tblVehicleEF	LHD1	8.4000e-004	7.0600e-004
tblVehicleEF	LHD1	2.6250e-003	2.4700e-003
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.5850e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.40
tblVehicleEF	LHD1	0.37	0.32
tblVehicleEF	LHD1	5.8180e-003	5.8290e-003
tblVehicleEF	LHD1	5.3600e-004	5.3000e-004
tblVehicleEF	LHD1	2.6250e-003	2.4700e-003
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	1.6290e-003	1.5850e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.42	0.40
tblVehicleEF	LHD1	0.39	0.34
tblVehicleEF	LHD1	1.2780e-003	1.2420e-003
tblVehicleEF	LHD1	0.01	9.7370e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	1.01	0.82
tblVehicleEF	LHD1	3.28	2.96
tblVehicleEF	LHD1	7.70	7.70
tblVehicleEF	LHD1	528.12	529.38
tblVehicleEF	LHD1	41.54	41.72
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.91	0.79
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	4.7700e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	8.9540e-003
tblVehicleEF	LHD1	6.6480e-003	6.0830e-003
tblVehicleEF	LHD1	9.0800e-004	7.6100e-004
tblVehicleEF	LHD1	4.4100e-004	4.3800e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1210e-003	5.6000e-003
tblVehicleEF	LHD1	8.4000e-004	7.0600e-004
tblVehicleEF	LHD1	4.1230e-003	3.8730e-003
tblVehicleEF	LHD1	0.08	0.07

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	2.4310e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.39
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD1	5.8180e-003	5.8290e-003
tblVehicleEF	LHD1	5.2300e-004	5.1800e-004
tblVehicleEF	LHD1	4.1230e-003	3.8730e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	2.4310e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.41	0.39
tblVehicleEF	LHD1	0.35	0.30
tblVehicleEF	LHD1	1.2780e-003	1.2420e-003
tblVehicleEF	LHD1	0.01	9.7370e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	0.99	0.81
tblVehicleEF	LHD1	4.08	3.68
tblVehicleEF	LHD1	7.70	7.70
tblVehicleEF	LHD1	528.12	529.38
tblVehicleEF	LHD1	41.54	41.72
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.96	0.83
tblVehicleEF	LHD1	1.31	1.24
tblVehicleEF	LHD1	4.7900e-004	4.7700e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	8.9540e-003
tblVehicleEF	LHD1	6.6480e-003	6.0830e-003
tblVehicleEF	LHD1	9.0800e-004	7.6100e-004
tblVehicleEF	LHD1	4.4100e-004	4.3800e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1210e-003	5.6000e-003
tblVehicleEF	LHD1	8.4000e-004	7.0600e-004
tblVehicleEF	LHD1	2.7730e-003	2.5660e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	1.5860e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.44
tblVehicleEF	LHD1	0.37	0.32
tblVehicleEF	LHD1	5.8180e-003	5.8290e-003
tblVehicleEF	LHD1	5.3600e-004	5.3100e-004
tblVehicleEF	LHD1	2.7730e-003	2.5660e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	1.5860e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.45	0.44
tblVehicleEF	LHD1	0.39	0.34
tblVehicleEF	LHD2	1.0000e-003	9.7700e-004
tblVehicleEF	LHD2	7.6760e-003	6.5600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.15	0.15

tblVehicleEF	LHD2	0.65	0.55
tblVehicleEF	LHD2	2.34	2.09
tblVehicleEF	LHD2	8.48	8.48
tblVehicleEF	LHD2	509.57	510.07
tblVehicleEF	LHD2	28.34	28.48
tblVehicleEF	LHD2	6.7260e-003	6.8350e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.56	1.33
tblVehicleEF	LHD2	0.86	0.80
tblVehicleEF	LHD2	1.0450e-003	1.0370e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	9.9790e-003	9.9800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	3.7700e-004
tblVehicleEF	LHD2	9.6200e-004	9.5400e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	3.5000e-004
tblVehicleEF	LHD2	1.4630e-003	1.3330e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	9.0900e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.24	0.22
tblVehicleEF	LHD2	0.22	0.18
tblVehicleEF	LHD2	5.5450e-003	5.5490e-003
tblVehicleEF	LHD2	3.5800e-004	3.5500e-004
tblVehicleEF	LHD2	1.4630e-003	1.3330e-003

tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	9.0900e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.24	0.22
tblVehicleEF	LHD2	0.23	0.20
tblVehicleEF	LHD2	1.0000e-003	9.7700e-004
tblVehicleEF	LHD2	7.6760e-003	6.5600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.66	0.56
tblVehicleEF	LHD2	1.90	1.70
tblVehicleEF	LHD2	8.48	8.48
tblVehicleEF	LHD2	509.57	510.07
tblVehicleEF	LHD2	28.34	28.48
tblVehicleEF	LHD2	6.7260e-003	6.8350e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.47	1.25
tblVehicleEF	LHD2	0.82	0.77
tblVehicleEF	LHD2	1.0450e-003	1.0370e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	9.9790e-003	9.9800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	3.7700e-004
tblVehicleEF	LHD2	9.6200e-004	9.5400e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	3.5000e-004



tblVehicleEF	LHD2	2.2700e-003	2.0650e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.3650e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.19	0.16
tblVehicleEF	LHD2	5.5450e-003	5.5490e-003
tblVehicleEF	LHD2	3.5000e-004	3.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.0650e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.3650e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.23	0.21
tblVehicleEF	LHD2	0.21	0.18
tblVehicleEF	LHD2	1.0000e-003	9.7700e-004
tblVehicleEF	LHD2	7.6760e-003	6.5600e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.65	0.55
tblVehicleEF	LHD2	2.37	2.12
tblVehicleEF	LHD2	8.48	8.48
tblVehicleEF	LHD2	509.57	510.07
tblVehicleEF	LHD2	28.34	28.48
tblVehicleEF	LHD2	6.7260e-003	6.8350e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.53	1.30

tblVehicleEF	LHD2	0.86	0.81
tblVehicleEF	LHD2	1.0450e-003	1.0370e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	9.9790e-003	9.9800e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	3.7700e-004
tblVehicleEF	LHD2	9.6200e-004	9.5400e-004
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	3.5000e-004
tblVehicleEF	LHD2	1.5110e-003	1.3460e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	8.9500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.26	0.24
tblVehicleEF	LHD2	0.22	0.19
tblVehicleEF	LHD2	5.5450e-003	5.5490e-003
tblVehicleEF	LHD2	3.5800e-004	3.5500e-004
tblVehicleEF	LHD2	1.5110e-003	1.3460e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	8.9500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.26	0.24
tblVehicleEF	LHD2	0.23	0.20
tblVehicleEF	MCY	20.61	20.09
tblVehicleEF	MCY	10.01	10.06

tblVehicleEF	MCY	141.43	142.62
tblVehicleEF	MCY	38.50	37.84
tblVehicleEF	MCY	4.4000e-003	4.3080e-003
tblVehicleEF	MCY	1.16	1.15
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	2.7700e-004
tblVehicleEF	MCY	9.6300e-004	8.3500e-004
tblVehicleEF	MCY	2.6400e-004	2.3600e-004
tblVehicleEF	MCY	8.0000e-004	7.0500e-004
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.41	0.41
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.39	2.37
tblVehicleEF	MCY	1.24	1.19
tblVehicleEF	MCY	2.06	2.05
tblVehicleEF	MCY	1.9700e-003	1.9740e-003
tblVehicleEF	MCY	6.5000e-004	6.4300e-004
tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.41	0.41
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.62	2.60
tblVehicleEF	MCY	1.24	1.19
tblVehicleEF	MCY	2.21	2.20
tblVehicleEF	MCY	19.99	19.50
tblVehicleEF	MCY	8.80	8.82
tblVehicleEF	MCY	141.43	142.62
tblVehicleEF	MCY	38.50	37.84
tblVehicleEF	MCY	4.4000e-003	4.3080e-003

tblVehicleEF	MCY	1.01	1.01
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	2.7700e-004
tblVehicleEF	MCY	9.6300e-004	8.3500e-004
tblVehicleEF	MCY	2.6400e-004	2.3600e-004
tblVehicleEF	MCY	8.0000e-004	7.0500e-004
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.51	0.51
tblVehicleEF	MCY	1.05	1.05
tblVehicleEF	MCY	2.33	2.31
tblVehicleEF	MCY	1.16	1.11
tblVehicleEF	MCY	1.81	1.80
tblVehicleEF	MCY	1.9590e-003	1.9640e-003
tblVehicleEF	MCY	6.2300e-004	6.1600e-004
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.51	0.51
tblVehicleEF	MCY	1.05	1.05
tblVehicleEF	MCY	2.56	2.55
tblVehicleEF	MCY	1.16	1.11
tblVehicleEF	MCY	1.95	1.93
tblVehicleEF	MCY	20.49	19.97
tblVehicleEF	MCY	10.06	10.12
tblVehicleEF	MCY	141.43	142.62
tblVehicleEF	MCY	38.50	37.84
tblVehicleEF	MCY	4.4000e-003	4.3080e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	2.7700e-004

tblVehicleEF	MCY	9.6300e-004	8.3500e-004
tblVehicleEF	MCY	2.6400e-004	2.3600e-004
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tblVehicleEF	MCY	0.54	0.54
tblVehicleEF	MCY	2.39	2.37
tblVehicleEF	MCY	1.48	1.43
tblVehicleEF	MCY	2.08	2.06
tblVehicleEF	MCY	1.9680e-003	1.9730e-003
tblVehicleEF	MCY	6.5100e-004	6.4400e-004
tblVehicleEF	MCY	1.10	1.10
tblVehicleEF	MCY	0.54	0.54
tblVehicleEF	MCY	0.54	0.54
tblVehicleEF	MCY	2.62	2.60
tblVehicleEF	MCY	1.48	1.43
tblVehicleEF	MCY	2.23	2.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.52
tblVehicleEF	MDV	3.77	3.26
tblVehicleEF	MDV	488.73	477.62
tblVehicleEF	MDV	102.89	100.49
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.35	0.30
tblVehicleEF	MDV	2.1720e-003	2.1510e-003
tblVehicleEF	MDV	3.5290e-003	3.7110e-003

tblVehicleEF	MDV	2.0090e-003	1.9940e-003
tblVehicleEF	MDV	3.2670e-003	3.4420e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.60	0.59
tblVehicleEF	MDV	0.32	0.27
tblVehicleEF	MDV	6.2060e-003	6.2200e-003
tblVehicleEF	MDV	1.3410e-003	1.3350e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.60	0.59
tblVehicleEF	MDV	0.34	0.29
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	1.69
tblVehicleEF	MDV	2.97	2.56
tblVehicleEF	MDV	514.18	502.64
tblVehicleEF	MDV	102.89	100.49
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.33	0.28
tblVehicleEF	MDV	2.1720e-003	2.1510e-003
tblVehicleEF	MDV	3.5290e-003	3.7110e-003
tblVehicleEF	MDV	2.0090e-003	1.9940e-003

tblVehicleEF	MDV	3.2670e-003	3.4420e-003
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.57	0.56
tblVehicleEF	MDV	0.27	0.23
tblVehicleEF	MDV	6.5340e-003	6.5500e-003
tblVehicleEF	MDV	1.3270e-003	1.3220e-003
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.57	0.56
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.46
tblVehicleEF	MDV	3.88	3.37
tblVehicleEF	MDV	481.27	470.30
tblVehicleEF	MDV	102.89	100.49
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.36	0.30
tblVehicleEF	MDV	2.1720e-003	2.1510e-003
tblVehicleEF	MDV	3.5290e-003	3.7110e-003
tblVehicleEF	MDV	2.0090e-003	1.9940e-003
tblVehicleEF	MDV	3.2670e-003	3.4420e-003

tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.68
tblVehicleEF	MDV	0.32	0.27
tblVehicleEF	MDV	6.1110e-003	6.1240e-003
tblVehicleEF	MDV	1.3430e-003	1.3360e-003
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.68
tblVehicleEF	MDV	0.34	0.29
tblVehicleEF	MH	1.60	1.00
tblVehicleEF	MH	6.03	5.23
tblVehicleEF	MH	602.71	604.56
tblVehicleEF	MH	27.93	27.82
tblVehicleEF	MH	2.1590e-003	2.2880e-003
tblVehicleEF	MH	1.25	1.08
tblVehicleEF	MH	0.68	0.62
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.5810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	6.4900e-004	4.6700e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.9600e-004	4.3400e-004



tblVehicleEF	MH	0.95	0.79
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.34
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.32
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	6.6390e-003	6.6500e-003
tblVehicleEF	MH	4.1500e-004	4.0000e-004
tblVehicleEF	MH	0.95	0.79
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.34
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	1.59	1.32
tblVehicleEF	MH	0.36	0.30
tblVehicleEF	MH	1.64	1.03
tblVehicleEF	MH	4.81	4.19
tblVehicleEF	MH	602.71	604.56
tblVehicleEF	MH	27.93	27.82
tblVehicleEF	MH	2.1590e-003	2.2880e-003
tblVehicleEF	MH	1.15	1.00
tblVehicleEF	MH	0.66	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.5810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	6.4900e-004	4.6700e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.9600e-004	4.3400e-004

tblVehicleEF	MH	1.47	1.22
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.61	0.53
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.56	1.29
tblVehicleEF	MH	0.29	0.25
tblVehicleEF	MH	6.6400e-003	6.6500e-003
tblVehicleEF	MH	3.9500e-004	3.8200e-004
tblVehicleEF	MH	1.47	1.22
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.61	0.53
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	1.56	1.29
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	1.59	1.00
tblVehicleEF	MH	6.06	5.25
tblVehicleEF	MH	602.71	604.56
tblVehicleEF	MH	27.93	27.82
tblVehicleEF	MH	2.1590e-003	2.2880e-003
tblVehicleEF	MH	1.22	1.06
tblVehicleEF	MH	0.69	0.62
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.5810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	6.4900e-004	4.6700e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.9600e-004	4.3400e-004

tblVehicleEF	MH	1.07	0.87
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.40
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	6.6390e-003	6.6500e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	0.87
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	1.68	1.40
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MHD	7.4570e-003	8.1650e-003
tblVehicleEF	MHD	3.5450e-003	3.3250e-003
tblVehicleEF	MHD	1.89	2.07
tblVehicleEF	MHD	0.68	0.56
tblVehicleEF	MHD	14.44	12.47
tblVehicleEF	MHD	572.02	572.08
tblVehicleEF	MHD	914.53	913.05
tblVehicleEF	MHD	49.60	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.69	3.42
tblVehicleEF	MHD	1.64	1.04
tblVehicleEF	MHD	1.62	1.43
tblVehicleEF	MHD	0.01	7.9640e-003
tblVehicleEF	MHD	0.11	0.11

tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.3970e-003	1.0860e-003
tblVehicleEF	MHD	0.01	7.3270e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.2800e-003	1.0070e-003
tblVehicleEF	MHD	2.3690e-003	2.1250e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.18
tblVehicleEF	MHD	1.5020e-003	1.4000e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	0.73
tblVehicleEF	MHD	9.7500e-003	9.7330e-003
tblVehicleEF	MHD	8.0400e-004	7.6600e-004
tblVehicleEF	MHD	2.3690e-003	2.1250e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.20
tblVehicleEF	MHD	1.5020e-003	1.4000e-003
tblVehicleEF	MHD	0.11	0.10
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	0.78
tblVehicleEF	MHD	7.0270e-003	7.6940e-003
tblVehicleEF	MHD	3.5450e-003	3.3250e-003
tblVehicleEF	MHD	1.37	1.51
tblVehicleEF	MHD	0.69	0.57
tblVehicleEF	MHD	11.64	10.06

tblVehicleEF	MHD	606.00	606.07
tblVehicleEF	MHD	914.53	913.05
tblVehicleEF	MHD	49.60	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	4.84	3.53
tblVehicleEF	MHD	1.54	0.97
tblVehicleEF	MHD	1.56	1.37
tblVehicleEF	MHD	9.3480e-003	6.7140e-003
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.3970e-003	1.0860e-003
tblVehicleEF	MHD	8.6000e-003	6.1770e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.2800e-003	1.0070e-003
tblVehicleEF	MHD	3.6600e-003	3.2710e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.15	0.17
tblVehicleEF	MHD	2.2910e-003	2.1040e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.39
tblVehicleEF	MHD	0.76	0.65
tblVehicleEF	MHD	6.4240e-003	6.4250e-003
tblVehicleEF	MHD	9.7500e-003	9.7330e-003
tblVehicleEF	MHD	7.5700e-004	7.2500e-004
tblVehicleEF	MHD	3.6600e-003	3.2710e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.17	0.19
tblVehicleEF	MHD	2.2910e-003	2.1040e-003
tblVehicleEF	MHD	0.11	0.10
tblVehicleEF	MHD	0.41	0.39
tblVehicleEF	MHD	0.81	0.69
tblVehicleEF	MHD	8.0500e-003	8.8140e-003
tblVehicleEF	MHD	3.5450e-003	3.3250e-003
tblVehicleEF	MHD	2.60	2.85
tblVehicleEF	MHD	0.68	0.56
tblVehicleEF	MHD	14.78	12.76
tblVehicleEF	MHD	525.09	525.15
tblVehicleEF	MHD	914.53	913.05
tblVehicleEF	MHD	49.60	49.32
tblVehicleEF	MHD	0.02	0.02
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tblVehicleEF	MHD	1.60	1.02
tblVehicleEF	MHD	1.63	1.44
tblVehicleEF	MHD	0.01	9.6910e-003
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.3970e-003	1.0860e-003
tblVehicleEF	MHD	0.01	8.9150e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.2800e-003	1.0070e-003
tblVehicleEF	MHD	2.5250e-003	2.2210e-003
tblVehicleEF	MHD	0.10	0.09

tblVehicleEF	MHD	0.17	0.19
tblVehicleEF	MHD	1.5230e-003	1.4060e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.88	0.74
tblVehicleEF	MHD	5.5660e-003	5.5670e-003
tblVehicleEF	MHD	9.7500e-003	9.7330e-003
tblVehicleEF	MHD	8.1000e-004	7.7100e-004
tblVehicleEF	MHD	2.5250e-003	2.2210e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.20	0.22
tblVehicleEF	MHD	1.5230e-003	1.4060e-003
tblVehicleEF	MHD	0.11	0.10
tblVehicleEF	MHD	0.46	0.44
tblVehicleEF	MHD	0.94	0.79
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.7960e-003	2.9670e-003
tblVehicleEF	OBUS	2.74	3.30
tblVehicleEF	OBUS	0.97	0.86
tblVehicleEF	OBUS	8.80	7.92
tblVehicleEF	OBUS	534.88	533.47
tblVehicleEF	OBUS	1,017.03	1,018.77
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	1.9660e-003
tblVehicleEF	OBUS	4.65	3.20
tblVehicleEF	OBUS	2.28	1.27
tblVehicleEF	OBUS	1.24	1.12
tblVehicleEF	OBUS	9.5470e-003	8.7920e-003

tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	4.9700e-004
tblVehicleEF	OBUS	8.7830e-003	8.0890e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6450e-003	2.6520e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	4.6100e-004
tblVehicleEF	OBUS	9.6600e-004	9.5100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.47	0.56
tblVehicleEF	OBUS	5.3100e-004	5.3300e-004
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	0.33	0.33
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	5.6700e-003	5.6550e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.1900e-004	5.0200e-004
tblVehicleEF	OBUS	9.6600e-004	9.5100e-004
tblVehicleEF	OBUS	0.03	0.03
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tblVehicleEF	OBUS	5.3100e-004	5.3300e-004
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tblVehicleEF	OBUS	0.58	0.51
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.7960e-003	2.9670e-003



tblVehicleEF	OBUS	1.99	2.40
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tblVehicleEF	OBUS	566.66	565.16
tblVehicleEF	OBUS	1,017.03	1,018.77
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	1.9660e-003
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tblVehicleEF	OBUS	1.19	1.08
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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	0.44	0.53
tblVehicleEF	OBUS	7.8300e-004	7.8100e-004
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	0.32	0.32
tblVehicleEF	OBUS	0.48	0.42
tblVehicleEF	OBUS	6.0070e-003	5.9910e-003

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.9000e-004	4.7700e-004
tblVehicleEF	OBUS	1.4470e-003	1.4230e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.50	0.60
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tblVehicleEF	OBUS	0.14	0.13
tblVehicleEF	OBUS	0.32	0.32
tblVehicleEF	OBUS	0.51	0.45
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.7960e-003	2.9670e-003
tblVehicleEF	OBUS	3.78	4.55
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tblVehicleEF	OBUS	491.00	489.70
tblVehicleEF	OBUS	1,017.03	1,018.77
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	1.9660e-003
tblVehicleEF	OBUS	4.44	3.06
tblVehicleEF	OBUS	2.24	1.25
tblVehicleEF	OBUS	1.25	1.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	4.9700e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	2.6450e-003	2.6520e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	4.6100e-004
tblVehicleEF	OBUS	9.8600e-004	9.5600e-004
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tblVehicleEF	OBUS	0.55	0.49
tblVehicleEF	OBUS	5.2050e-003	5.1910e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2200e-004	5.0500e-004
tblVehicleEF	OBUS	9.8600e-004	9.5600e-004
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tblVehicleEF	OBUS	0.14	0.13
tblVehicleEF	OBUS	0.35	0.35
tblVehicleEF	OBUS	0.58	0.52
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tblVehicleEF	SBUS	5.5860e-003	5.8530e-003
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tblVehicleEF	SBUS	2.96	2.66
tblVehicleEF	SBUS	27.16	24.72
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tblVehicleEF	SBUS	1,037.25	1,032.35
tblVehicleEF	SBUS	115.53	115.30
tblVehicleEF	SBUS	5.7400e-004	5.6800e-004
tblVehicleEF	SBUS	7.58	7.35

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.04
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tblVehicleEF	SBUS	2.7470e-003	2.7410e-003
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tblVehicleEF	SBUS	0.01	0.01
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tblVehicleEF	SBUS	1.95	1.92

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tblVehicleEF	SBUS	5.5860e-003	5.8530e-003
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tblVehicleEF	SBUS	23.01	20.96
tblVehicleEF	SBUS	579.49	585.28
tblVehicleEF	SBUS	1,037.25	1,032.35
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tblVehicleEF	SBUS	6.62	6.25
tblVehicleEF	SBUS	1.91	1.78
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tblVehicleEF	SBUS	0.57	0.56
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.04
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tblVehicleEF	SBUS	0.01	9.4430e-003
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tblVehicleEF	SBUS	0.34	0.32
tblVehicleEF	SBUS	1.79	1.77
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tblVehicleEF	SBUS	4.8080e-003	5.0160e-003
tblVehicleEF	SBUS	5.5860e-003	5.8530e-003
tblVehicleEF	SBUS	1.45	1.55
tblVehicleEF	SBUS	2.94	2.64
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tblVehicleEF	SBUS	1,037.25	1,032.35
tblVehicleEF	SBUS	115.53	115.30
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tblVehicleEF	SBUS	6.92	6.54
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tblVehicleEF	SBUS	0.57	0.56
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.04

tblVehicleEF	SBUS	3.6960e-003	3.2240e-003
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tblVehicleEF	SBUS	2.7470e-003	2.7410e-003
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tblVehicleEF	SBUS	2.30	2.26
tblVehicleEF	SBUS	1.69	1.52
tblVehicleEF	SBUS	5.3230e-003	5.3760e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7260e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.24
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.33	0.31
tblVehicleEF	SBUS	2.30	2.26
tblVehicleEF	SBUS	1.81	1.62
tblVehicleEF	UBUS	4.38	4.22
tblVehicleEF	UBUS	9.86	9.55
tblVehicleEF	UBUS	1,917.54	1,907.03
tblVehicleEF	UBUS	27.32	27.40
tblVehicleEF	UBUS	2.4830e-003	2.5030e-003

tblVehicleEF	UBUS	10.91	10.49
tblVehicleEF	UBUS	1.17	1.15
tblVehicleEF	UBUS	0.68	0.68
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	6.0900e-004	5.8900e-004
tblVehicleEF	UBUS	0.29	0.29
tblVehicleEF	UBUS	0.16	0.16
tblVehicleEF	UBUS	5.6400e-004	5.4700e-004
tblVehicleEF	UBUS	5.4570e-003	5.3760e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.0100e-003	2.9670e-003
tblVehicleEF	UBUS	0.72	0.70
tblVehicleEF	UBUS	0.78	0.83
tblVehicleEF	UBUS	0.73	0.71
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	4.7600e-004
tblVehicleEF	UBUS	5.4570e-003	5.3760e-003
tblVehicleEF	UBUS	0.09	0.09
tblVehicleEF	UBUS	3.0100e-003	2.9670e-003
tblVehicleEF	UBUS	0.80	0.78
tblVehicleEF	UBUS	0.78	0.83
tblVehicleEF	UBUS	0.78	0.76
tblVehicleEF	UBUS	4.44	4.28
tblVehicleEF	UBUS	8.28	8.02
tblVehicleEF	UBUS	1,917.54	1,907.03
tblVehicleEF	UBUS	27.32	27.40
tblVehicleEF	UBUS	2.4830e-003	2.5030e-003
tblVehicleEF	UBUS	10.28	9.88



tblVehicleEF	UBUS	1.12	1.10
tblVehicleEF	UBUS	0.68	0.68
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	6.0900e-004	5.8900e-004
tblVehicleEF	UBUS	0.29	0.29
tblVehicleEF	UBUS	0.16	0.16
tblVehicleEF	UBUS	5.6400e-004	5.4700e-004
tblVehicleEF	UBUS	8.0610e-003	7.9260e-003
tblVehicleEF	UBUS	0.10	0.09
tblVehicleEF	UBUS	4.5490e-003	4.4570e-003
tblVehicleEF	UBUS	0.73	0.71
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	0.65	0.64
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	4.5000e-004
tblVehicleEF	UBUS	8.0610e-003	7.9260e-003
tblVehicleEF	UBUS	0.10	0.09
tblVehicleEF	UBUS	4.5490e-003	4.4570e-003
tblVehicleEF	UBUS	0.81	0.79
tblVehicleEF	UBUS	0.73	0.77
tblVehicleEF	UBUS	0.70	0.68
tblVehicleEF	UBUS	4.37	4.21
tblVehicleEF	UBUS	9.99	9.68
tblVehicleEF	UBUS	1,917.54	1,907.03
tblVehicleEF	UBUS	27.32	27.40
tblVehicleEF	UBUS	2.4830e-003	2.5030e-003
tblVehicleEF	UBUS	10.70	10.29
tblVehicleEF	UBUS	1.18	1.15

tblVehicleEF	UBUS	0.68	0.68
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	6.0900e-004	5.8900e-004
tblVehicleEF	UBUS	0.29	0.29
tblVehicleEF	UBUS	0.16	0.16
tblVehicleEF	UBUS	5.6400e-004	5.4700e-004
tblVehicleEF	UBUS	6.2690e-003	6.1660e-003
tblVehicleEF	UBUS	0.12	0.11
tblVehicleEF	UBUS	3.2440e-003	3.1950e-003
tblVehicleEF	UBUS	0.72	0.70
tblVehicleEF	UBUS	0.92	0.97
tblVehicleEF	UBUS	0.73	0.72
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	4.7900e-004
tblVehicleEF	UBUS	6.2690e-003	6.1660e-003
tblVehicleEF	UBUS	0.12	0.11
tblVehicleEF	UBUS	3.2440e-003	3.1950e-003
tblVehicleEF	UBUS	0.80	0.77
tblVehicleEF	UBUS	0.92	0.97
tblVehicleEF	UBUS	0.78	0.77
tblVehicleTrips	ST_TR	1.59	35.00
tblVehicleTrips	SU_TR	1.59	35.00
tblVehicleTrips	WD_TR	1.59	35.00
tblVehicleTrips	WD_TR	6.59	5.88
tblVehicleTrips	WD_TR	27.92	10.64
tblVehicleTrips	WD_TR	56.24	38.41
tblVehicleTrips	WD_TR	42.94	101.19
tblWoodstoves	NumberCatalytic	39.00	0.00

tblWoodstoves	NumberNoncatalytic	39.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 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					
2016	1.5611	15.8757	14.8099	0.0272	1.9419	0.6454	2.5873	0.7364	0.5966	1.3331	0.0000	2,393.7998	2,393.7998	0.2977	0.0000	2,400.0506
2017	3.4369	13.1616	20.2302	0.0421	3.1264	0.5456	3.6720	1.0755	0.5073	1.5828	0.0000	3,417.9267	3,417.9267	0.2895	0.0000	3,424.0070
2018	3.5586	7.8104	15.8436	0.0363	2.0890	0.2949	2.3838	0.5604	0.2761	0.8365	0.0000	2,815.3216	2,815.3216	0.1752	0.0000	2,819.0002
2019	4.9317	9.5482	12.8772	0.0282	1.4553	0.4010	1.8563	0.4375	0.3725	0.8100	0.0000	2,245.8493	2,245.8493	0.2662	0.0000	2,251.4394
2020	1.1824	10.9821	13.1074	0.0313	1.6706	0.4091	2.0797	0.5624	0.3787	0.9411	0.0000	2,513.0474	2,513.0474	0.2662	0.0000	2,518.6371
2021	3.5131	5.3166	13.0886	0.0350	2.0314	0.1863	2.2177	0.5452	0.1743	0.7195	0.0000	2,532.6288	2,532.6288	0.1435	0.0000	2,535.6425
2022	4.5664	1.3805	3.3252	8.8400e-003	0.4973	0.0570	0.5542	0.1330	0.0533	0.1862	0.0000	633.8594	633.8594	0.0567	0.0000	635.0502
<b>Total</b>	<b>22.7502</b>	<b>64.0752</b>	<b>93.2821</b>	<b>0.2089</b>	<b>12.8119</b>	<b>2.5391</b>	<b>15.3510</b>	<b>4.0504</b>	<b>2.3587</b>	<b>6.4091</b>	<b>0.0000</b>	<b>16,552.4331</b>	<b>16,552.4331</b>	<b>1.4949</b>	<b>0.0000</b>	<b>16,583.8267</b>



**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	11.7277	0.0936	8.1014	4.3000e-004		0.0445	0.0445		0.0445	0.0445	0.0000	13.1990	13.1990	0.0130	0.0000	13.4714
Energy	0.1534	1.3613	0.9289	8.3700e-003		0.1060	0.1060		0.1060	0.1060	0.0000	7,308.5748	7,308.5748	0.2953	0.0829	7,340.4744
Mobile	8.1561	20.5618	87.1250	0.2799	18.8700	0.3768	19.2468	5.0503	0.3476	5.3980	0.0000	19,227.3768	19,227.3768	0.6474	0.0000	19,240.9722
Waste						0.0000	0.0000		0.0000	0.0000	804.6745	0.0000	804.6745	47.5549	0.0000	1,803.3273
Water						0.0000	0.0000		0.0000	0.0000	56.4575	1,021.0818	1,077.5393	5.8457	0.1466	1,245.7540
<b>Total</b>	<b>20.0372</b>	<b>22.0168</b>	<b>96.1553</b>	<b>0.2887</b>	<b>18.8700</b>	<b>0.5273</b>	<b>19.3973</b>	<b>5.0503</b>	<b>0.4981</b>	<b>5.5484</b>	<b>861.1320</b>	<b>27,570.2323</b>	<b>28,431.3642</b>	<b>54.3562</b>	<b>0.2295</b>	<b>29,643.9992</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.2925	0.0837	7.1245	3.5000e-004		0.0388	0.0388		0.0388	0.0388	0.0000	11.2127	11.2127	9.8600e-003	0.0000	11.4198
Energy	0.1288	1.1429	0.7796	7.0200e-003		0.0890	0.0890		0.0890	0.0890	0.0000	4,318.5119	4,318.5119	0.1644	0.0523	4,338.1810
Mobile	7.3592	14.8803	67.5822	0.1886	12.5192	0.2596	12.7789	3.3506	0.2396	3.5902	0.0000	12,957.7687	12,957.7687	0.4483	0.0000	12,967.1832
Waste						0.0000	0.0000		0.0000	0.0000	804.6745	0.0000	804.6745	47.5549	0.0000	1,803.3273
Water						0.0000	0.0000		0.0000	0.0000	45.1660	866.6250	911.7910	4.6780	0.1176	1,046.4854
<b>Total</b>	<b>17.7805</b>	<b>16.1070</b>	<b>75.4862</b>	<b>0.1960</b>	<b>12.5192</b>	<b>0.3874</b>	<b>12.9066</b>	<b>3.3506</b>	<b>0.3673</b>	<b>3.7179</b>	<b>849.8405</b>	<b>18,154.1182</b>	<b>19,003.9587</b>	<b>52.8554</b>	<b>0.1699</b>	<b>20,166.5966</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>11.26</b>	<b>26.84</b>	<b>21.50</b>	<b>32.10</b>	<b>33.66</b>	<b>26.53</b>	<b>33.46</b>	<b>33.66</b>	<b>26.26</b>	<b>32.99</b>	<b>1.31</b>	<b>34.15</b>	<b>33.16</b>	<b>2.76</b>	<b>25.97</b>	<b>31.97</b>

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase One:Demolition	Demolition	1/1/2016	4/29/2016	5	86	
2	Phase One: Grading	Grading	3/1/2016	3/31/2017	5	284	
3	Phase One:Building Construction	Building Construction	9/1/2016	4/30/2019	5	694	
4	Phase Two: Paving	Paving	4/3/2017	12/29/2017	5	195	
5	Phase Two: Architectural Coating	Architectural Coating	5/1/2017	10/31/2017	5	132	
6	Phase One:Architectural Coating	Architectural Coating	7/2/2018	10/31/2019	5	349	
7	Phase One:Paving	Paving	11/1/2018	11/29/2019	5	282	
8	Phase Three: Demolition	Demolition	7/1/2019	11/29/2019	5	110	
9	Phase Three: Grading	Grading	10/1/2019	12/31/2019	5	66	
10	Phase Three: Construction	Building Construction	12/2/2019	3/31/2020	5	87	
11	Phase Four:Demolition	Demolition	1/1/2020	6/30/2020	5	130	
12	Phase Four: Grading	Grading	6/1/2020	12/31/2020	5	154	
13	Phase Four: Construction	Building Construction	11/2/2020	2/28/2022	5	346	
14	Phase Four: Architectural Coating	Architectural Coating	9/1/2021	7/29/2022	5	238	
15	Phase Four: Paving	Paving	4/1/2022	7/29/2022	5	86	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 475,875; Residential Outdoor: 158,625; Non-Residential Indoor: 150,000; Non-Residential Outdoor: 50,000 (Architectural Coating – sqft)

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase One:Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase One:Demolition	Excavators	3	8.00	162	0.38

Phase One:Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Phase One: Grading	Excavators	2	8.00	162	0.38
Phase One: Grading	Graders	1	8.00	174	0.41
Phase One: Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase One: Grading	Scrapers	2	8.00	361	0.48
Phase One: Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase One:Building Construction	Cranes	1	7.00	226	0.29
Phase One:Building Construction	Forklifts	3	8.00	89	0.20
Phase One:Building Construction	Generator Sets	1	8.00	84	0.74
Phase One:Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase One:Building Construction	Welders	1	8.00	46	0.45
Phase Two: Paving	Pavers	2	8.00	125	0.42
Phase Two: Paving	Paving Equipment	2	8.00	130	0.36
Phase Two: Paving	Rollers	2	8.00	80	0.38
Phase Two: Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase One:Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase One:Paving	Pavers	2	8.00	125	0.42
Phase One:Paving	Paving Equipment	2	8.00	130	0.36
Phase One:Paving	Rollers	2	8.00	80	0.38
Phase Three: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase Three: Demolition	Excavators	3	8.00	162	0.38
Phase Three: Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Phase Three: Grading	Excavators	2	8.00	162	0.38
Phase Three: Grading	Graders	1	8.00	174	0.41
Phase Three: Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase Three: Grading	Scrapers	2	8.00	361	0.48
Phase Three: Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase Three: Construction	Cranes	1	7.00	226	0.29



Phase Three: Construction	Forklifts	3	8.00	89	0.20
Phase Three: Construction	Generator Sets	1	8.00	84	0.74
Phase Three: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase Three: Construction	Welders	1	8.00	46	0.45
Phase Four: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase Four: Demolition	Excavators	3	8.00	162	0.38
Phase Four: Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Phase Four: Grading	Excavators	2	8.00	162	0.38
Phase Four: Grading	Graders	1	8.00	174	0.41
Phase Four: Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase Four: Grading	Scrapers	2	8.00	361	0.48
Phase Four: Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase Four: Construction	Cranes	1	7.00	226	0.29
Phase Four: Construction	Forklifts	3	8.00	89	0.20
Phase Four: Construction	Generator Sets	1	8.00	84	0.74
Phase Four: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase Four: Construction	Welders	1	8.00	46	0.45
Phase Four: Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase Four: Paving	Pavers	2	8.00	125	0.42
Phase Four: Paving	Paving Equipment	2	8.00	130	0.36
Phase Four: Paving	Rollers	2	8.00	80	0.38

**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
Phase One:Demolition	6	15.00	0.00	1,892.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase One: Grading	8	20.00	0.00	22,500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase One:Building Construction	9	1,143.00	354.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Two: Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Two: Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase One: Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase One:Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Three: Demolition	6	15.00	0.00	628.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Three: Grading	8	20.00	0.00	8,525.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Three: Construction	9	1,143.00	354.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Demolition	6	15.00	0.00	1,287.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Grading	8	20.00	0.00	25,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Construction	9	1,143.00	354.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase Four: Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

**3.2 Phase One:Demolition - 2016**

**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					0.2048	0.0000	0.2048	0.0310	0.0000	0.0310	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1844	1.9632	1.5063	1.7200e-003		0.0986	0.0986		0.0919	0.0919	0.0000	159.5187	159.5187	0.0434	0.0000	160.4296
<b>Total</b>	<b>0.1844</b>	<b>1.9632</b>	<b>1.5063</b>	<b>1.7200e-003</b>	<b>0.2048</b>	<b>0.0986</b>	<b>0.3033</b>	<b>0.0310</b>	<b>0.0919</b>	<b>0.1229</b>	<b>0.0000</b>	<b>159.5187</b>	<b>159.5187</b>	<b>0.0434</b>	<b>0.0000</b>	<b>160.4296</b>

**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	0.0168	0.2733	0.2066	7.0000e-004	0.0162	4.1200e-003	0.0203	4.4500e-003	3.7900e-003	8.2400e-003	0.0000	63.7134	63.7134	4.6000e-004	0.0000	63.7229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5900e-003	3.8100e-003	0.0396	9.0000e-005	7.0800e-003	6.0000e-005	7.1400e-003	1.8800e-003	6.0000e-005	1.9300e-003	0.0000	6.6298	6.6298	3.6000e-004	0.0000	6.6373
<b>Total</b>	<b>0.0194</b>	<b>0.2771</b>	<b>0.2462</b>	<b>7.9000e-004</b>	<b>0.0233</b>	<b>4.1800e-003</b>	<b>0.0275</b>	<b>6.3300e-003</b>	<b>3.8500e-003</b>	<b>0.0102</b>	<b>0.0000</b>	<b>70.3431</b>	<b>70.3431</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>70.3602</b>

**3.2 Phase One:Demolition - 2016****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					0.0921	0.0000	0.0921	0.0140	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.0883	1.0245	1.7200e-003		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	159.5185	159.5185	0.0434	0.0000	160.4295
<b>Total</b>	<b>0.0204</b>	<b>0.0883</b>	<b>1.0245</b>	<b>1.7200e-003</b>	<b>0.0921</b>	<b>4.1000e-004</b>	<b>0.0926</b>	<b>0.0140</b>	<b>4.1000e-004</b>	<b>0.0144</b>	<b>0.0000</b>	<b>159.5185</b>	<b>159.5185</b>	<b>0.0434</b>	<b>0.0000</b>	<b>160.4295</b>

**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	0.0168	0.2733	0.2066	7.0000e-004	0.0162	4.1200e-003	0.0203	4.4500e-003	3.7900e-003	8.2400e-003	0.0000	63.7134	63.7134	4.6000e-004	0.0000	63.7229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5900e-003	3.8100e-003	0.0396	9.0000e-005	7.0800e-003	6.0000e-005	7.1400e-003	1.8800e-003	6.0000e-005	1.9300e-003	0.0000	6.6298	6.6298	3.6000e-004	0.0000	6.6373
<b>Total</b>	<b>0.0194</b>	<b>0.2771</b>	<b>0.2462</b>	<b>7.9000e-004</b>	<b>0.0233</b>	<b>4.1800e-003</b>	<b>0.0275</b>	<b>6.3300e-003</b>	<b>3.8500e-003</b>	<b>0.0102</b>	<b>0.0000</b>	<b>70.3431</b>	<b>70.3431</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>70.3602</b>

**3.3 Phase One: Grading - 2016**

**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					0.8675	0.0000	0.8675	0.4718	0.0000	0.4718	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7095	8.1921	5.3806	6.7600e-003		0.3925	0.3925		0.3611	0.3611	0.0000	637.2432	637.2432	0.1922	0.0000	641.2797
<b>Total</b>	<b>0.7095</b>	<b>8.1921</b>	<b>5.3806</b>	<b>6.7600e-003</b>	<b>0.8675</b>	<b>0.3925</b>	<b>1.2600</b>	<b>0.4718</b>	<b>0.3611</b>	<b>0.8329</b>	<b>0.0000</b>	<b>637.2432</b>	<b>637.2432</b>	<b>0.1922</b>	<b>0.0000</b>	<b>641.2797</b>

**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	0.1544	2.5065	1.8945	6.3900e-003	0.1820	0.0378	0.2198	0.0490	0.0348	0.0837	0.0000	584.2754	584.2754	4.1800e-003	0.0000	584.3632
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	8.8000e-003	0.0129	0.1344	3.0000e-004	0.0240	2.0000e-004	0.0242	6.3800e-003	1.9000e-004	6.5700e-003	0.0000	22.5105	22.5105	1.2100e-003	0.0000	22.5359
<b>Total</b>	<b>0.1632</b>	<b>2.5194</b>	<b>2.0289</b>	<b>6.6900e-003</b>	<b>0.2061</b>	<b>0.0380</b>	<b>0.2441</b>	<b>0.0554</b>	<b>0.0350</b>	<b>0.0903</b>	<b>0.0000</b>	<b>606.7859</b>	<b>606.7859</b>	<b>5.3900e-003</b>	<b>0.0000</b>	<b>606.8991</b>

### 3.3 Phase One: Grading - 2016

#### 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					0.3904	0.0000	0.3904	0.2123	0.0000	0.2123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0828	0.3589	3.8083	6.7600e-003		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003	0.0000	637.2424	637.2424	0.1922	0.0000	641.2790
<b>Total</b>	<b>0.0828</b>	<b>0.3589</b>	<b>3.8083</b>	<b>6.7600e-003</b>	<b>0.3904</b>	<b>1.6600e-003</b>	<b>0.3921</b>	<b>0.2123</b>	<b>1.6600e-003</b>	<b>0.2140</b>	<b>0.0000</b>	<b>637.2424</b>	<b>637.2424</b>	<b>0.1922</b>	<b>0.0000</b>	<b>641.2790</b>

#### 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	0.1544	2.5065	1.8945	6.3900e-003	0.1820	0.0378	0.2198	0.0490	0.0348	0.0837	0.0000	584.2754	584.2754	4.1800e-003	0.0000	584.3632
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	8.8000e-003	0.0129	0.1344	3.0000e-004	0.0240	2.0000e-004	0.0242	6.3800e-003	1.9000e-004	6.5700e-003	0.0000	22.5105	22.5105	1.2100e-003	0.0000	22.5359
<b>Total</b>	<b>0.1632</b>	<b>2.5194</b>	<b>2.0289</b>	<b>6.6900e-003</b>	<b>0.2061</b>	<b>0.0380</b>	<b>0.2441</b>	<b>0.0554</b>	<b>0.0350</b>	<b>0.0903</b>	<b>0.0000</b>	<b>606.7859</b>	<b>606.7859</b>	<b>5.3900e-003</b>	<b>0.0000</b>	<b>606.8991</b>

**3.3 Phase One: Grading - 2017****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					0.8675	0.0000	0.8675	0.4718	0.0000	0.4718	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1982	2.2617	1.5212	2.0100e-003		0.1078	0.1078		0.0992	0.0992	0.0000	186.1402	186.1402	0.0570	0.0000	187.3379
<b>Total</b>	<b>0.1982</b>	<b>2.2617</b>	<b>1.5212</b>	<b>2.0100e-003</b>	<b>0.8675</b>	<b>0.1078</b>	<b>0.9754</b>	<b>0.4718</b>	<b>0.0992</b>	<b>0.5710</b>	<b>0.0000</b>	<b>186.1402</b>	<b>186.1402</b>	<b>0.0570</b>	<b>0.0000</b>	<b>187.3379</b>

**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	0.0432	0.6818	0.5421	1.9000e-003	0.1564	0.0103	0.1667	0.0397	9.4300e-003	0.0491	0.0000	170.5682	170.5682	1.2100e-003	0.0000	170.5937
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3400e-003	3.4600e-003	0.0360	9.0000e-005	7.1300e-003	6.0000e-005	7.1900e-003	1.8900e-003	5.0000e-005	1.9500e-003	0.0000	6.4247	6.4247	3.3000e-004	0.0000	6.4316
<b>Total</b>	<b>0.0455</b>	<b>0.6853</b>	<b>0.5781</b>	<b>1.9900e-003</b>	<b>0.1635</b>	<b>0.0103</b>	<b>0.1739</b>	<b>0.0416</b>	<b>9.4800e-003</b>	<b>0.0510</b>	<b>0.0000</b>	<b>176.9928</b>	<b>176.9928</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>177.0253</b>

### 3.3 Phase One: Grading - 2017

#### 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					0.3904	0.0000	0.3904	0.2123	0.0000	0.2123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.1065	1.1303	2.0100e-003		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	186.1400	186.1400	0.0570	0.0000	187.3377
<b>Total</b>	<b>0.0246</b>	<b>0.1065</b>	<b>1.1303</b>	<b>2.0100e-003</b>	<b>0.3904</b>	<b>4.9000e-004</b>	<b>0.3909</b>	<b>0.2123</b>	<b>4.9000e-004</b>	<b>0.2128</b>	<b>0.0000</b>	<b>186.1400</b>	<b>186.1400</b>	<b>0.0570</b>	<b>0.0000</b>	<b>187.3377</b>

#### 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	0.0432	0.6818	0.5421	1.9000e-003	0.1564	0.0103	0.1667	0.0397	9.4300e-003	0.0491	0.0000	170.5682	170.5682	1.2100e-003	0.0000	170.5937
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3400e-003	3.4600e-003	0.0360	9.0000e-005	7.1300e-003	6.0000e-005	7.1900e-003	1.8900e-003	5.0000e-005	1.9500e-003	0.0000	6.4247	6.4247	3.3000e-004	0.0000	6.4316
<b>Total</b>	<b>0.0455</b>	<b>0.6853</b>	<b>0.5781</b>	<b>1.9900e-003</b>	<b>0.1635</b>	<b>0.0103</b>	<b>0.1739</b>	<b>0.0416</b>	<b>9.4800e-003</b>	<b>0.0510</b>	<b>0.0000</b>	<b>176.9928</b>	<b>176.9928</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>177.0253</b>



### 3.4 Phase One: Building Construction - 2016

#### 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	0.1482	1.2400	0.8050	1.1700e-003		0.0856	0.0856		0.0804	0.0804	0.0000	105.3368	105.3368	0.0261	0.0000	105.8854
<b>Total</b>	<b>0.1482</b>	<b>1.2400</b>	<b>0.8050</b>	<b>1.1700e-003</b>		<b>0.0856</b>	<b>0.0856</b>		<b>0.0804</b>	<b>0.0804</b>	<b>0.0000</b>	<b>105.3368</b>	<b>105.3368</b>	<b>0.0261</b>	<b>0.0000</b>	<b>105.8854</b>

#### 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	0.1366	1.3903	1.7922	3.3400e-003	0.0948	0.0220	0.1167	0.0270	0.0202	0.0473	0.0000	303.5079	303.5079	2.2000e-003	0.0000	303.5541
Worker	0.1999	0.2936	3.0508	6.7000e-003	0.5455	4.6400e-003	0.5501	0.1449	4.2700e-003	0.1491	0.0000	511.0643	511.0643	0.0275	0.0000	511.6424
<b>Total</b>	<b>0.3365</b>	<b>1.6839</b>	<b>4.8430</b>	<b>0.0100</b>	<b>0.6403</b>	<b>0.0266</b>	<b>0.6669</b>	<b>0.1719</b>	<b>0.0245</b>	<b>0.1964</b>	<b>0.0000</b>	<b>814.5722</b>	<b>814.5722</b>	<b>0.0297</b>	<b>0.0000</b>	<b>815.1965</b>

### 3.4 Phase One: Building Construction - 2016

#### 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	0.0142	0.0970	0.7574	1.1700e-003		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	105.3367	105.3367	0.0261	0.0000	105.8853
<b>Total</b>	<b>0.0142</b>	<b>0.0970</b>	<b>0.7574</b>	<b>1.1700e-003</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>105.3367</b>	<b>105.3367</b>	<b>0.0261</b>	<b>0.0000</b>	<b>105.8853</b>

#### 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	0.1366	1.3903	1.7922	3.3400e-003	0.0948	0.0220	0.1167	0.0270	0.0202	0.0473	0.0000	303.5079	303.5079	2.2000e-003	0.0000	303.5541
Worker	0.1999	0.2936	3.0508	6.7000e-003	0.5455	4.6400e-003	0.5501	0.1449	4.2700e-003	0.1491	0.0000	511.0643	511.0643	0.0275	0.0000	511.6424
<b>Total</b>	<b>0.3365</b>	<b>1.6839</b>	<b>4.8430</b>	<b>0.0100</b>	<b>0.6403</b>	<b>0.0266</b>	<b>0.6669</b>	<b>0.1719</b>	<b>0.0245</b>	<b>0.1964</b>	<b>0.0000</b>	<b>814.5722</b>	<b>814.5722</b>	<b>0.0297</b>	<b>0.0000</b>	<b>815.1965</b>

### 3.4 Phase One: Building Construction - 2017

#### 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	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3228	311.3228	0.0766	0.0000	312.9319
<b>Total</b>	<b>0.4033</b>	<b>3.4327</b>	<b>2.3568</b>	<b>3.4900e-003</b>		<b>0.2316</b>	<b>0.2316</b>		<b>0.2175</b>	<b>0.2175</b>	<b>0.0000</b>	<b>311.3228</b>	<b>311.3228</b>	<b>0.0766</b>	<b>0.0000</b>	<b>312.9319</b>

#### 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	0.3732	3.7785	5.0754	9.9700e-003	0.2833	0.0586	0.3419	0.0809	0.0539	0.1348	0.0000	892.3358	892.3358	6.3600e-003	0.0000	892.4694
Worker	0.5348	0.7920	8.2224	0.0200	1.6302	0.0134	1.6436	0.4330	0.0123	0.4453	0.0000	1,468.6789	1,468.6789	0.0759	0.0000	1,470.2729
<b>Total</b>	<b>0.9080</b>	<b>4.5704</b>	<b>13.2978</b>	<b>0.0300</b>	<b>1.9135</b>	<b>0.0720</b>	<b>1.9854</b>	<b>0.5138</b>	<b>0.0662</b>	<b>0.5800</b>	<b>0.0000</b>	<b>2,361.0146</b>	<b>2,361.0146</b>	<b>0.0823</b>	<b>0.0000</b>	<b>2,362.7423</b>

### 3.4 Phase One: Building Construction - 2017

#### 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	0.0424	0.2898	2.2634	3.4900e-003		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	311.3225	311.3225	0.0766	0.0000	312.9315
<b>Total</b>	<b>0.0424</b>	<b>0.2898</b>	<b>2.2634</b>	<b>3.4900e-003</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>311.3225</b>	<b>311.3225</b>	<b>0.0766</b>	<b>0.0000</b>	<b>312.9315</b>

#### 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	0.3732	3.7785	5.0754	9.9700e-003	0.2833	0.0586	0.3419	0.0809	0.0539	0.1348	0.0000	892.3358	892.3358	6.3600e-003	0.0000	892.4694
Worker	0.5348	0.7920	8.2224	0.0200	1.6302	0.0134	1.6436	0.4330	0.0123	0.4453	0.0000	1,468.6789	1,468.6789	0.0759	0.0000	1,470.2729
<b>Total</b>	<b>0.9080</b>	<b>4.5704</b>	<b>13.2978</b>	<b>0.0300</b>	<b>1.9135</b>	<b>0.0720</b>	<b>1.9854</b>	<b>0.5138</b>	<b>0.0662</b>	<b>0.5800</b>	<b>0.0000</b>	<b>2,361.0146</b>	<b>2,361.0146</b>	<b>0.0823</b>	<b>0.0000</b>	<b>2,362.7423</b>

### 3.4 Phase One: Building Construction - 2018

#### 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	0.3483	3.0355	2.2880	3.5000e-003		0.1950	0.1950		0.1833	0.1833	0.0000	308.9844	308.9844	0.0756	0.0000	310.5723
<b>Total</b>	<b>0.3483</b>	<b>3.0355</b>	<b>2.2880</b>	<b>3.5000e-003</b>		<b>0.1950</b>	<b>0.1950</b>		<b>0.1833</b>	<b>0.1833</b>	<b>0.0000</b>	<b>308.9844</b>	<b>308.9844</b>	<b>0.0756</b>	<b>0.0000</b>	<b>310.5723</b>

#### 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	0.3504	3.4794	4.8810	0.0100	0.2844	0.0554	0.3398	0.0812	0.0510	0.1322	0.0000	880.7298	880.7298	6.3500e-003	0.0000	880.8631
Worker	0.4821	0.7211	7.4737	0.0201	1.6365	0.0131	1.6496	0.4346	0.0121	0.4467	0.0000	1,419.2991	1,419.2991	0.0707	0.0000	1,420.7842
<b>Total</b>	<b>0.8325</b>	<b>4.2004</b>	<b>12.3548</b>	<b>0.0301</b>	<b>1.9209</b>	<b>0.0685</b>	<b>1.9893</b>	<b>0.5158</b>	<b>0.0631</b>	<b>0.5789</b>	<b>0.0000</b>	<b>2,300.0289</b>	<b>2,300.0289</b>	<b>0.0771</b>	<b>0.0000</b>	<b>2,301.6473</b>

### 3.4 Phase One: Building Construction - 2018

#### 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	0.0426	0.2909	2.2721	3.5000e-003		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	308.9841	308.9841	0.0756	0.0000	310.5720
<b>Total</b>	<b>0.0426</b>	<b>0.2909</b>	<b>2.2721</b>	<b>3.5000e-003</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>308.9841</b>	<b>308.9841</b>	<b>0.0756</b>	<b>0.0000</b>	<b>310.5720</b>

#### 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	0.3504	3.4794	4.8810	0.0100	0.2844	0.0554	0.3398	0.0812	0.0510	0.1322	0.0000	880.7298	880.7298	6.3500e-003	0.0000	880.8631
Worker	0.4821	0.7211	7.4737	0.0201	1.6365	0.0131	1.6496	0.4346	0.0121	0.4467	0.0000	1,419.2991	1,419.2991	0.0707	0.0000	1,420.7842
<b>Total</b>	<b>0.8325</b>	<b>4.2004</b>	<b>12.3548</b>	<b>0.0301</b>	<b>1.9209</b>	<b>0.0685</b>	<b>1.9893</b>	<b>0.5158</b>	<b>0.0631</b>	<b>0.5789</b>	<b>0.0000</b>	<b>2,300.0289</b>	<b>2,300.0289</b>	<b>0.0771</b>	<b>0.0000</b>	<b>2,301.6473</b>

**3.4 Phase One: Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1011	0.9015	0.7362	1.1500e-003		0.0553	0.0553		0.0520	0.0520	0.0000	100.6728	100.6728	0.0245	0.0000	101.1872
<b>Total</b>	<b>0.1011</b>	<b>0.9015</b>	<b>0.7362</b>	<b>1.1500e-003</b>		<b>0.0553</b>	<b>0.0553</b>		<b>0.0520</b>	<b>0.0520</b>	<b>0.0000</b>	<b>100.6728</b>	<b>100.6728</b>	<b>0.0245</b>	<b>0.0000</b>	<b>101.1872</b>

**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	0.1092	1.0567	1.5537	3.2800e-003	0.0937	0.0173	0.1110	0.0268	0.0160	0.0427	0.0000	284.5598	284.5598	2.0500e-003	0.0000	284.6029
Worker	0.1459	0.2179	2.2582	6.6000e-003	0.5392	4.2200e-003	0.5435	0.1432	3.9200e-003	0.1471	0.0000	449.8642	449.8642	0.0218	0.0000	450.3222
<b>Total</b>	<b>0.2551</b>	<b>1.2746</b>	<b>3.8119</b>	<b>9.8800e-003</b>	<b>0.6329</b>	<b>0.0216</b>	<b>0.6545</b>	<b>0.1700</b>	<b>0.0199</b>	<b>0.1898</b>	<b>0.0000</b>	<b>734.4240</b>	<b>734.4240</b>	<b>0.0239</b>	<b>0.0000</b>	<b>734.9252</b>

### 3.4 Phase One: Building Construction - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0140	0.0958	0.7487	1.1500e-003		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	100.6727	100.6727	0.0245	0.0000	101.1871
<b>Total</b>	<b>0.0140</b>	<b>0.0958</b>	<b>0.7487</b>	<b>1.1500e-003</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>		<b>2.6000e-004</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>100.6727</b>	<b>100.6727</b>	<b>0.0245</b>	<b>0.0000</b>	<b>101.1871</b>

#### 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	0.1092	1.0567	1.5537	3.2800e-003	0.0937	0.0173	0.1110	0.0268	0.0160	0.0427	0.0000	284.5598	284.5598	2.0500e-003	0.0000	284.6029
Worker	0.1459	0.2179	2.2582	6.6000e-003	0.5392	4.2200e-003	0.5435	0.1432	3.9200e-003	0.1471	0.0000	449.8642	449.8642	0.0218	0.0000	450.3222
<b>Total</b>	<b>0.2551</b>	<b>1.2746</b>	<b>3.8119</b>	<b>9.8800e-003</b>	<b>0.6329</b>	<b>0.0216</b>	<b>0.6545</b>	<b>0.1700</b>	<b>0.0199</b>	<b>0.1898</b>	<b>0.0000</b>	<b>734.4240</b>	<b>734.4240</b>	<b>0.0239</b>	<b>0.0000</b>	<b>734.9252</b>



**3.5 Phase Two: Paving - 2017****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	0.1860	1.9789	1.4359	2.1700e-003		0.1110	0.1110		0.1021	0.1021	0.0000	201.7608	201.7608	0.0618	0.0000	203.0590
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1860</b>	<b>1.9789</b>	<b>1.4359</b>	<b>2.1700e-003</b>		<b>0.1110</b>	<b>0.1110</b>		<b>0.1021</b>	<b>0.1021</b>	<b>0.0000</b>	<b>201.7608</b>	<b>201.7608</b>	<b>0.0618</b>	<b>0.0000</b>	<b>203.0590</b>

**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	5.2600e-003	7.7900e-003	0.0809	2.0000e-004	0.0161	1.3000e-004	0.0162	4.2600e-003	1.2000e-004	4.3800e-003	0.0000	14.4555	14.4555	7.5000e-004	0.0000	14.4712
<b>Total</b>	<b>5.2600e-003</b>	<b>7.7900e-003</b>	<b>0.0809</b>	<b>2.0000e-004</b>	<b>0.0161</b>	<b>1.3000e-004</b>	<b>0.0162</b>	<b>4.2600e-003</b>	<b>1.2000e-004</b>	<b>4.3800e-003</b>	<b>0.0000</b>	<b>14.4555</b>	<b>14.4555</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>14.4712</b>

**3.5 Phase Two: Paving - 2017**

**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	0.0268	0.1160	1.6504	2.1700e-003		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	201.7606	201.7606	0.0618	0.0000	203.0588
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0268</b>	<b>0.1160</b>	<b>1.6504</b>	<b>2.1700e-003</b>		<b>5.4000e-004</b>	<b>5.4000e-004</b>		<b>5.4000e-004</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>201.7606</b>	<b>201.7606</b>	<b>0.0618</b>	<b>0.0000</b>	<b>203.0588</b>

**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	5.2600e-003	7.7900e-003	0.0809	2.0000e-004	0.0161	1.3000e-004	0.0162	4.2600e-003	1.2000e-004	4.3800e-003	0.0000	14.4555	14.4555	7.5000e-004	0.0000	14.4712
<b>Total</b>	<b>5.2600e-003</b>	<b>7.7900e-003</b>	<b>0.0809</b>	<b>2.0000e-004</b>	<b>0.0161</b>	<b>1.3000e-004</b>	<b>0.0162</b>	<b>4.2600e-003</b>	<b>1.2000e-004</b>	<b>4.3800e-003</b>	<b>0.0000</b>	<b>14.4555</b>	<b>14.4555</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>14.4712</b>

**3.6 Phase Two: Architectural Coating - 2017****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0219	0.1442	0.1233	2.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	16.8515	16.8515	1.7800e-003	0.0000	16.8888
<b>Total</b>	<b>1.6362</b>	<b>0.1442</b>	<b>0.1233</b>	<b>2.0000e-004</b>		<b>0.0114</b>	<b>0.0114</b>		<b>0.0114</b>	<b>0.0114</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>1.7800e-003</b>	<b>0.0000</b>	<b>16.8888</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0806	0.8364	2.0400e-003	0.1658	1.3600e-003	0.1672	0.0440	1.2500e-003	0.0453	0.0000	149.3883	149.3883	7.7200e-003	0.0000	149.5505
<b>Total</b>	<b>0.0544</b>	<b>0.0806</b>	<b>0.8364</b>	<b>2.0400e-003</b>	<b>0.1658</b>	<b>1.3600e-003</b>	<b>0.1672</b>	<b>0.0440</b>	<b>1.2500e-003</b>	<b>0.0453</b>	<b>0.0000</b>	<b>149.3883</b>	<b>149.3883</b>	<b>7.7200e-003</b>	<b>0.0000</b>	<b>149.5505</b>

### 3.6 Phase Two: Architectural Coating - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	8.5000e-003	0.1209	2.0000e-004		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	16.8515	16.8515	1.7800e-003	0.0000	16.8888
<b>Total</b>	<b>1.6162</b>	<b>8.5000e-003</b>	<b>0.1209</b>	<b>2.0000e-004</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>16.8515</b>	<b>16.8515</b>	<b>1.7800e-003</b>	<b>0.0000</b>	<b>16.8888</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0806	0.8364	2.0400e-003	0.1658	1.3600e-003	0.1672	0.0440	1.2500e-003	0.0453	0.0000	149.3883	149.3883	7.7200e-003	0.0000	149.5505
<b>Total</b>	<b>0.0544</b>	<b>0.0806</b>	<b>0.8364</b>	<b>2.0400e-003</b>	<b>0.1658</b>	<b>1.3600e-003</b>	<b>0.1672</b>	<b>0.0440</b>	<b>1.2500e-003</b>	<b>0.0453</b>	<b>0.0000</b>	<b>149.3883</b>	<b>149.3883</b>	<b>7.7200e-003</b>	<b>0.0000</b>	<b>149.5505</b>

**3.7 Phase One:Architectural Coating - 2018****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	2.2741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0196	0.1314	0.1215	1.9000e-004		9.8600e-003	9.8600e-003		9.8600e-003	9.8600e-003	0.0000	16.7238	16.7238	1.5900e-003	0.0000	16.7572
<b>Total</b>	<b>2.2936</b>	<b>0.1314</b>	<b>0.1215</b>	<b>1.9000e-004</b>		<b>9.8600e-003</b>	<b>9.8600e-003</b>		<b>9.8600e-003</b>	<b>9.8600e-003</b>	<b>0.0000</b>	<b>16.7238</b>	<b>16.7238</b>	<b>1.5900e-003</b>	<b>0.0000</b>	<b>16.7572</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0725	0.7516	2.0200e-003	0.1646	1.3100e-003	0.1659	0.0437	1.2100e-003	0.0449	0.0000	142.7230	142.7230	7.1100e-003	0.0000	142.8723
<b>Total</b>	<b>0.0485</b>	<b>0.0725</b>	<b>0.7516</b>	<b>2.0200e-003</b>	<b>0.1646</b>	<b>1.3100e-003</b>	<b>0.1659</b>	<b>0.0437</b>	<b>1.2100e-003</b>	<b>0.0449</b>	<b>0.0000</b>	<b>142.7230</b>	<b>142.7230</b>	<b>7.1100e-003</b>	<b>0.0000</b>	<b>142.8723</b>

### 3.7 Phase One:Architectural Coating - 2018

#### 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	2.2741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9500e-003	8.4300e-003	0.1200	1.9000e-004		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	16.7238	16.7238	1.5900e-003	0.0000	16.7572
<b>Total</b>	<b>2.2760</b>	<b>8.4300e-003</b>	<b>0.1200</b>	<b>1.9000e-004</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>16.7238</b>	<b>16.7238</b>	<b>1.5900e-003</b>	<b>0.0000</b>	<b>16.7572</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0485	0.0725	0.7516	2.0200e-003	0.1646	1.3100e-003	0.1659	0.0437	1.2100e-003	0.0449	0.0000	142.7230	142.7230	7.1100e-003	0.0000	142.8723
<b>Total</b>	<b>0.0485</b>	<b>0.0725</b>	<b>0.7516</b>	<b>2.0200e-003</b>	<b>0.1646</b>	<b>1.3100e-003</b>	<b>0.1659</b>	<b>0.0437</b>	<b>1.2100e-003</b>	<b>0.0449</b>	<b>0.0000</b>	<b>142.7230</b>	<b>142.7230</b>	<b>7.1100e-003</b>	<b>0.0000</b>	<b>142.8723</b>

### 3.7 Phase One:Architectural Coating - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0290	0.2001	0.2007	3.2000e-004		0.0140	0.0140		0.0140	0.0140	0.0000	27.8305	27.8305	2.3500e-003	0.0000	27.8798
<b>Total</b>	<b>3.8134</b>	<b>0.2001</b>	<b>0.2007</b>	<b>3.2000e-004</b>		<b>0.0140</b>	<b>0.0140</b>		<b>0.0140</b>	<b>0.0140</b>	<b>0.0000</b>	<b>27.8305</b>	<b>27.8305</b>	<b>2.3500e-003</b>	<b>0.0000</b>	<b>27.8798</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0741	0.1107	1.1469	3.3500e-003	0.2739	2.1500e-003	0.2760	0.0727	1.9900e-003	0.0747	0.0000	228.4697	228.4697	0.0111	0.0000	228.7024
<b>Total</b>	<b>0.0741</b>	<b>0.1107</b>	<b>1.1469</b>	<b>3.3500e-003</b>	<b>0.2739</b>	<b>2.1500e-003</b>	<b>0.2760</b>	<b>0.0727</b>	<b>1.9900e-003</b>	<b>0.0747</b>	<b>0.0000</b>	<b>228.4697</b>	<b>228.4697</b>	<b>0.0111</b>	<b>0.0000</b>	<b>228.7024</b>

### 3.7 Phase One:Architectural Coating - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7843					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2400e-003	0.0140	0.1997	3.2000e-004		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	27.8304	27.8304	2.3500e-003	0.0000	27.8798
<b>Total</b>	<b>3.7876</b>	<b>0.0140</b>	<b>0.1997</b>	<b>3.2000e-004</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>27.8304</b>	<b>27.8304</b>	<b>2.3500e-003</b>	<b>0.0000</b>	<b>27.8798</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0741	0.1107	1.1469	3.3500e-003	0.2739	2.1500e-003	0.2760	0.0727	1.9900e-003	0.0747	0.0000	228.4697	228.4697	0.0111	0.0000	228.7024
<b>Total</b>	<b>0.0741</b>	<b>0.1107</b>	<b>1.1469</b>	<b>3.3500e-003</b>	<b>0.2739</b>	<b>2.1500e-003</b>	<b>0.2760</b>	<b>0.0727</b>	<b>1.9900e-003</b>	<b>0.0747</b>	<b>0.0000</b>	<b>228.4697</b>	<b>228.4697</b>	<b>0.0111</b>	<b>0.0000</b>	<b>228.7024</b>



### 3.8 Phase One:Paving - 2018

#### 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	0.0347	0.3690	0.3116	4.8000e-004		0.0202	0.0202		0.0186	0.0186	0.0000	43.7928	43.7928	0.0136	0.0000	44.0791
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0347</b>	<b>0.3690</b>	<b>0.3116</b>	<b>4.8000e-004</b>		<b>0.0202</b>	<b>0.0202</b>		<b>0.0186</b>	<b>0.0186</b>	<b>0.0000</b>	<b>43.7928</b>	<b>43.7928</b>	<b>0.0136</b>	<b>0.0000</b>	<b>44.0791</b>

#### 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	1.0400e-003	1.5600e-003	0.0162	4.0000e-005	3.5400e-003	3.0000e-005	3.5700e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.0687	3.0687	1.5000e-004	0.0000	3.0719
<b>Total</b>	<b>1.0400e-003</b>	<b>1.5600e-003</b>	<b>0.0162</b>	<b>4.0000e-005</b>	<b>3.5400e-003</b>	<b>3.0000e-005</b>	<b>3.5700e-003</b>	<b>9.4000e-004</b>	<b>3.0000e-005</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>3.0687</b>	<b>3.0687</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>3.0719</b>

### 3.8 Phase One:Paving - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.9000e-003	0.0256	0.3639	4.8000e-004		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	43.7927	43.7927	0.0136	0.0000	44.0790
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.9000e-003</b>	<b>0.0256</b>	<b>0.3639</b>	<b>4.8000e-004</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>43.7927</b>	<b>43.7927</b>	<b>0.0136</b>	<b>0.0000</b>	<b>44.0790</b>

#### 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	1.0400e-003	1.5600e-003	0.0162	4.0000e-005	3.5400e-003	3.0000e-005	3.5700e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.0687	3.0687	1.5000e-004	0.0000	3.0719
<b>Total</b>	<b>1.0400e-003</b>	<b>1.5600e-003</b>	<b>0.0162</b>	<b>4.0000e-005</b>	<b>3.5400e-003</b>	<b>3.0000e-005</b>	<b>3.5700e-003</b>	<b>9.4000e-004</b>	<b>3.0000e-005</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>3.0687</b>	<b>3.0687</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>3.0719</b>

**3.8 Phase One:Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1704	1.7848	1.7166	2.6700e-003		0.0967	0.0967		0.0890	0.0890	0.0000	239.4716	239.4716	0.0758	0.0000	241.0627
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1704</b>	<b>1.7848</b>	<b>1.7166</b>	<b>2.6700e-003</b>		<b>0.0967</b>	<b>0.0967</b>		<b>0.0890</b>	<b>0.0890</b>	<b>0.0000</b>	<b>239.4716</b>	<b>239.4716</b>	<b>0.0758</b>	<b>0.0000</b>	<b>241.0627</b>

**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	5.3200e-003	7.9500e-003	0.0824	2.4000e-004	0.0197	1.5000e-004	0.0198	5.2200e-003	1.4000e-004	5.3700e-003	0.0000	16.4069	16.4069	8.0000e-004	0.0000	16.4236
<b>Total</b>	<b>5.3200e-003</b>	<b>7.9500e-003</b>	<b>0.0824</b>	<b>2.4000e-004</b>	<b>0.0197</b>	<b>1.5000e-004</b>	<b>0.0198</b>	<b>5.2200e-003</b>	<b>1.4000e-004</b>	<b>5.3700e-003</b>	<b>0.0000</b>	<b>16.4069</b>	<b>16.4069</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>16.4236</b>

**3.8 Phase One:Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0328	0.1422	2.0229	2.6700e-003		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004	0.0000	239.4714	239.4714	0.0758	0.0000	241.0624
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0328</b>	<b>0.1422</b>	<b>2.0229</b>	<b>2.6700e-003</b>		<b>6.6000e-004</b>	<b>6.6000e-004</b>		<b>6.6000e-004</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>239.4714</b>	<b>239.4714</b>	<b>0.0758</b>	<b>0.0000</b>	<b>241.0624</b>

**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	5.3200e-003	7.9500e-003	0.0824	2.4000e-004	0.0197	1.5000e-004	0.0198	5.2200e-003	1.4000e-004	5.3700e-003	0.0000	16.4069	16.4069	8.0000e-004	0.0000	16.4236
<b>Total</b>	<b>5.3200e-003</b>	<b>7.9500e-003</b>	<b>0.0824</b>	<b>2.4000e-004</b>	<b>0.0197</b>	<b>1.5000e-004</b>	<b>0.0198</b>	<b>5.2200e-003</b>	<b>1.4000e-004</b>	<b>5.3700e-003</b>	<b>0.0000</b>	<b>16.4069</b>	<b>16.4069</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>16.4236</b>

**3.9 Phase Three: Demolition - 2019****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0679	0.0000	0.0679	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1827	1.8668	1.6943	2.2000e-003		0.0905	0.0905		0.0842	0.0842	0.0000	196.0497	196.0497	0.0548	0.0000	197.1995
<b>Total</b>	<b>0.1827</b>	<b>1.8668</b>	<b>1.6943</b>	<b>2.2000e-003</b>	<b>0.0679</b>	<b>0.0905</b>	<b>0.1584</b>	<b>0.0103</b>	<b>0.0842</b>	<b>0.0945</b>	<b>0.0000</b>	<b>196.0497</b>	<b>196.0497</b>	<b>0.0548</b>	<b>0.0000</b>	<b>197.1995</b>

**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	4.9900e-003	0.0721	0.0636	2.3000e-004	5.3900e-003	1.2500e-003	6.6300e-003	1.4800e-003	1.1500e-003	2.6300e-003	0.0000	20.0584	20.0584	1.5000e-004	0.0000	20.0615
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	3.6600e-003	0.0379	1.1000e-004	9.0500e-003	7.0000e-005	9.1200e-003	2.4000e-003	7.0000e-005	2.4700e-003	0.0000	7.5513	7.5513	3.7000e-004	0.0000	7.5590
<b>Total</b>	<b>7.4400e-003</b>	<b>0.0757</b>	<b>0.1015</b>	<b>3.4000e-004</b>	<b>0.0144</b>	<b>1.3200e-003</b>	<b>0.0158</b>	<b>3.8800e-003</b>	<b>1.2200e-003</b>	<b>5.1000e-003</b>	<b>0.0000</b>	<b>27.6097</b>	<b>27.6097</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>27.6205</b>

**3.9 Phase Three: Demolition - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0306	0.0000	0.0306	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0261	0.1129	1.3104	2.2000e-003		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	196.0495	196.0495	0.0548	0.0000	197.1993
<b>Total</b>	<b>0.0261</b>	<b>0.1129</b>	<b>1.3104</b>	<b>2.2000e-003</b>	<b>0.0306</b>	<b>5.2000e-004</b>	<b>0.0311</b>	<b>4.6300e-003</b>	<b>5.2000e-004</b>	<b>5.1500e-003</b>	<b>0.0000</b>	<b>196.0495</b>	<b>196.0495</b>	<b>0.0548</b>	<b>0.0000</b>	<b>197.1993</b>

**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	4.9900e-003	0.0721	0.0636	2.3000e-004	5.3900e-003	1.2500e-003	6.6300e-003	1.4800e-003	1.1500e-003	2.6300e-003	0.0000	20.0584	20.0584	1.5000e-004	0.0000	20.0615
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	3.6600e-003	0.0379	1.1000e-004	9.0500e-003	7.0000e-005	9.1200e-003	2.4000e-003	7.0000e-005	2.4700e-003	0.0000	7.5513	7.5513	3.7000e-004	0.0000	7.5590
<b>Total</b>	<b>7.4400e-003</b>	<b>0.0757</b>	<b>0.1015</b>	<b>3.4000e-004</b>	<b>0.0144</b>	<b>1.3200e-003</b>	<b>0.0158</b>	<b>3.8800e-003</b>	<b>1.2200e-003</b>	<b>5.1000e-003</b>	<b>0.0000</b>	<b>27.6097</b>	<b>27.6097</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>27.6205</b>

**3.10 Phase Three: Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2042	0.0000	0.2042	0.1100	0.0000	0.1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1614	1.7885	1.3295	2.0400e-003		0.0827	0.0827		0.0761	0.0761	0.0000	182.9549	182.9549	0.0579	0.0000	184.1705
<b>Total</b>	<b>0.1614</b>	<b>1.7885</b>	<b>1.3295</b>	<b>2.0400e-003</b>	<b>0.2042</b>	<b>0.0827</b>	<b>0.2869</b>	<b>0.1100</b>	<b>0.0761</b>	<b>0.1861</b>	<b>0.0000</b>	<b>182.9549</b>	<b>182.9549</b>	<b>0.0579</b>	<b>0.0000</b>	<b>184.1705</b>

**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	0.0677	0.9781	0.8635	3.1200e-003	0.0731	0.0169	0.0900	0.0201	0.0156	0.0356	0.0000	272.2891	272.2891	2.0200e-003	0.0000	272.3316
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	1.9600e-003	2.9300e-003	0.0303	9.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.0410	6.0410	2.9000e-004	0.0000	6.0472
<b>Total</b>	<b>0.0697</b>	<b>0.9810</b>	<b>0.8938</b>	<b>3.2100e-003</b>	<b>0.0803</b>	<b>0.0170</b>	<b>0.0973</b>	<b>0.0220</b>	<b>0.0156</b>	<b>0.0376</b>	<b>0.0000</b>	<b>278.3302</b>	<b>278.3302</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>278.3788</b>

**3.10 Phase Three: Grading - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0919	0.0000	0.0919	0.0495	0.0000	0.0495	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0250	0.1082	1.1477	2.0400e-003		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	182.9547	182.9547	0.0579	0.0000	184.1703
<b>Total</b>	<b>0.0250</b>	<b>0.1082</b>	<b>1.1477</b>	<b>2.0400e-003</b>	<b>0.0919</b>	<b>5.0000e-004</b>	<b>0.0924</b>	<b>0.0495</b>	<b>5.0000e-004</b>	<b>0.0500</b>	<b>0.0000</b>	<b>182.9547</b>	<b>182.9547</b>	<b>0.0579</b>	<b>0.0000</b>	<b>184.1703</b>

**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	0.0677	0.9781	0.8635	3.1200e-003	0.0731	0.0169	0.0900	0.0201	0.0156	0.0356	0.0000	272.2891	272.2891	2.0200e-003	0.0000	272.3316
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	1.9600e-003	2.9300e-003	0.0303	9.0000e-005	7.2400e-003	6.0000e-005	7.3000e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.0410	6.0410	2.9000e-004	0.0000	6.0472
<b>Total</b>	<b>0.0697</b>	<b>0.9810</b>	<b>0.8938</b>	<b>3.2100e-003</b>	<b>0.0803</b>	<b>0.0170</b>	<b>0.0973</b>	<b>0.0220</b>	<b>0.0156</b>	<b>0.0376</b>	<b>0.0000</b>	<b>278.3302</b>	<b>278.3302</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>278.3788</b>



**3.11 Phase Three: Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0259	0.2306	0.1883	2.9000e-004		0.0141	0.0141		0.0133	0.0133	0.0000	25.7535	25.7535	6.2700e-003	0.0000	25.8851
<b>Total</b>	<b>0.0259</b>	<b>0.2306</b>	<b>0.1883</b>	<b>2.9000e-004</b>		<b>0.0141</b>	<b>0.0141</b>		<b>0.0133</b>	<b>0.0133</b>	<b>0.0000</b>	<b>25.7535</b>	<b>25.7535</b>	<b>6.2700e-003</b>	<b>0.0000</b>	<b>25.8851</b>

**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	0.0279	0.2703	0.3975	8.4000e-004	0.0240	4.4300e-003	0.0284	6.8400e-003	4.0800e-003	0.0109	0.0000	72.7944	72.7944	5.2000e-004	0.0000	72.8054
Worker	0.0373	0.0557	0.5777	1.6900e-003	0.1379	1.0800e-003	0.1390	0.0366	1.0000e-003	0.0376	0.0000	115.0815	115.0815	5.5800e-003	0.0000	115.1987
<b>Total</b>	<b>0.0652</b>	<b>0.3261</b>	<b>0.9751</b>	<b>2.5300e-003</b>	<b>0.1619</b>	<b>5.5100e-003</b>	<b>0.1674</b>	<b>0.0435</b>	<b>5.0800e-003</b>	<b>0.0486</b>	<b>0.0000</b>	<b>187.8759</b>	<b>187.8759</b>	<b>6.1000e-003</b>	<b>0.0000</b>	<b>188.0041</b>

**3.11 Phase Three: Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5900e-003	0.0245	0.1915	2.9000e-004		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	25.7535	25.7535	6.2700e-003	0.0000	25.8851
<b>Total</b>	<b>3.5900e-003</b>	<b>0.0245</b>	<b>0.1915</b>	<b>2.9000e-004</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>25.7535</b>	<b>25.7535</b>	<b>6.2700e-003</b>	<b>0.0000</b>	<b>25.8851</b>

**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	0.0279	0.2703	0.3975	8.4000e-004	0.0240	4.4300e-003	0.0284	6.8400e-003	4.0800e-003	0.0109	0.0000	72.7944	72.7944	5.2000e-004	0.0000	72.8054
Worker	0.0373	0.0557	0.5777	1.6900e-003	0.1379	1.0800e-003	0.1390	0.0366	1.0000e-003	0.0376	0.0000	115.0815	115.0815	5.5800e-003	0.0000	115.1987
<b>Total</b>	<b>0.0652</b>	<b>0.3261</b>	<b>0.9751</b>	<b>2.5300e-003</b>	<b>0.1619</b>	<b>5.5100e-003</b>	<b>0.1674</b>	<b>0.0435</b>	<b>5.0800e-003</b>	<b>0.0486</b>	<b>0.0000</b>	<b>187.8759</b>	<b>187.8759</b>	<b>6.1000e-003</b>	<b>0.0000</b>	<b>188.0041</b>

**3.11 Phase Three: 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	0.0686	0.6202	0.5463	8.7000e-004		0.0362	0.0362		0.0340	0.0340	0.0000	74.9612	74.9612	0.0183	0.0000	75.3447
<b>Total</b>	<b>0.0686</b>	<b>0.6202</b>	<b>0.5463</b>	<b>8.7000e-004</b>		<b>0.0362</b>	<b>0.0362</b>		<b>0.0340</b>	<b>0.0340</b>	<b>0.0000</b>	<b>74.9612</b>	<b>74.9612</b>	<b>0.0183</b>	<b>0.0000</b>	<b>75.3447</b>

**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	0.0782	0.6967	1.1387	2.4800e-003	0.0708	0.0120	0.0828	0.0202	0.0110	0.0313	0.0000	210.2300	210.2300	1.5200e-003	0.0000	210.2618
Worker	0.1033	0.1526	1.5882	4.9900e-003	0.4076	3.1700e-003	0.4107	0.1082	2.9400e-003	0.1112	0.0000	326.2020	326.2020	0.0156	0.0000	326.5299
<b>Total</b>	<b>0.1815</b>	<b>0.8493</b>	<b>2.7269</b>	<b>7.4700e-003</b>	<b>0.4784</b>	<b>0.0152</b>	<b>0.4936</b>	<b>0.1285</b>	<b>0.0140</b>	<b>0.1424</b>	<b>0.0000</b>	<b>536.4320</b>	<b>536.4320</b>	<b>0.0171</b>	<b>0.0000</b>	<b>536.7918</b>

**3.11 Phase Three: Construction - 2020**

**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	0.0106	0.0724	0.5659	8.7000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	74.9611	74.9611	0.0183	0.0000	75.3447
<b>Total</b>	<b>0.0106</b>	<b>0.0724</b>	<b>0.5659</b>	<b>8.7000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>74.9611</b>	<b>74.9611</b>	<b>0.0183</b>	<b>0.0000</b>	<b>75.3447</b>

**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	0.0782	0.6967	1.1387	2.4800e-003	0.0708	0.0120	0.0828	0.0202	0.0110	0.0313	0.0000	210.2300	210.2300	1.5200e-003	0.0000	210.2618
Worker	0.1033	0.1526	1.5882	4.9900e-003	0.4076	3.1700e-003	0.4107	0.1082	2.9400e-003	0.1112	0.0000	326.2020	326.2020	0.0156	0.0000	326.5299
<b>Total</b>	<b>0.1815</b>	<b>0.8493</b>	<b>2.7269</b>	<b>7.4700e-003</b>	<b>0.4784</b>	<b>0.0152</b>	<b>0.4936</b>	<b>0.1285</b>	<b>0.0140</b>	<b>0.1424</b>	<b>0.0000</b>	<b>536.4320</b>	<b>536.4320</b>	<b>0.0171</b>	<b>0.0000</b>	<b>536.7918</b>

**3.12 Phase Four: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					0.1393	0.0000	0.1393	0.0211	0.0000	0.0211	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2013	2.0160	1.9247	2.6000e-003		0.0968	0.0968		0.0901	0.0901	0.0000	227.4441	227.4441	0.0645	0.0000	228.7980
<b>Total</b>	<b>0.2013</b>	<b>2.0160</b>	<b>1.9247</b>	<b>2.6000e-003</b>	<b>0.1393</b>	<b>0.0968</b>	<b>0.2361</b>	<b>0.0211</b>	<b>0.0901</b>	<b>0.1112</b>	<b>0.0000</b>	<b>227.4441</b>	<b>227.4441</b>	<b>0.0645</b>	<b>0.0000</b>	<b>228.7980</b>

**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	0.0100	0.1317	0.1287	4.7000e-004	0.0110	2.5300e-003	0.0136	3.0300e-003	2.3300e-003	5.3600e-003	0.0000	40.1810	40.1810	3.1000e-004	0.0000	40.1874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7100e-003	4.0100e-003	0.0417	1.3000e-004	0.0107	8.0000e-005	0.0108	2.8400e-003	8.0000e-005	2.9200e-003	0.0000	8.5617	8.5617	4.1000e-004	0.0000	8.5703
<b>Total</b>	<b>0.0127</b>	<b>0.1357</b>	<b>0.1703</b>	<b>6.0000e-004</b>	<b>0.0217</b>	<b>2.6100e-003</b>	<b>0.0244</b>	<b>5.8700e-003</b>	<b>2.4100e-003</b>	<b>8.2800e-003</b>	<b>0.0000</b>	<b>48.7427</b>	<b>48.7427</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>48.7577</b>

**3.12 Phase Four:Demolition - 2020****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					0.0627	0.0000	0.0627	9.4900e-003	0.0000	9.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.1335	1.5487	2.6000e-003		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	227.4439	227.4439	0.0645	0.0000	228.7977
<b>Total</b>	<b>0.0308</b>	<b>0.1335</b>	<b>1.5487</b>	<b>2.6000e-003</b>	<b>0.0627</b>	<b>6.2000e-004</b>	<b>0.0633</b>	<b>9.4900e-003</b>	<b>6.2000e-004</b>	<b>0.0101</b>	<b>0.0000</b>	<b>227.4439</b>	<b>227.4439</b>	<b>0.0645</b>	<b>0.0000</b>	<b>228.7977</b>

**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	0.0100	0.1317	0.1287	4.7000e-004	0.0110	2.5300e-003	0.0136	3.0300e-003	2.3300e-003	5.3600e-003	0.0000	40.1810	40.1810	3.1000e-004	0.0000	40.1874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7100e-003	4.0100e-003	0.0417	1.3000e-004	0.0107	8.0000e-005	0.0108	2.8400e-003	8.0000e-005	2.9200e-003	0.0000	8.5617	8.5617	4.1000e-004	0.0000	8.5703
<b>Total</b>	<b>0.0127</b>	<b>0.1357</b>	<b>0.1703</b>	<b>6.0000e-004</b>	<b>0.0217</b>	<b>2.6100e-003</b>	<b>0.0244</b>	<b>5.8700e-003</b>	<b>2.4100e-003</b>	<b>8.2800e-003</b>	<b>0.0000</b>	<b>48.7427</b>	<b>48.7427</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>48.7577</b>

**3.13 Phase Four: 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					0.4761	0.0000	0.4761	0.2567	0.0000	0.2567	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3504	3.8026	2.9588	4.7500e-003		0.1742	0.1742		0.1602	0.1602	0.0000	417.5622	417.5622	0.1351	0.0000	420.3983
<b>Total</b>	<b>0.3504</b>	<b>3.8026</b>	<b>2.9588</b>	<b>4.7500e-003</b>	<b>0.4761</b>	<b>0.1742</b>	<b>0.6502</b>	<b>0.2567</b>	<b>0.1602</b>	<b>0.4170</b>	<b>0.0000</b>	<b>417.5622</b>	<b>417.5622</b>	<b>0.1351</b>	<b>0.0000</b>	<b>420.3983</b>

**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	0.1944	2.5572	2.4990	9.1500e-003	0.2144	0.0492	0.2636	0.0588	0.0453	0.1041	0.0000	780.5158	780.5158	5.9400e-003	0.0000	780.6405
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	4.2800e-003	6.3300e-003	0.0658	2.1000e-004	0.0169	1.3000e-004	0.0170	4.4900e-003	1.2000e-004	4.6100e-003	0.0000	13.5232	13.5232	6.5000e-004	0.0000	13.5367
<b>Total</b>	<b>0.1987</b>	<b>2.5636</b>	<b>2.5648</b>	<b>9.3600e-003</b>	<b>0.2313</b>	<b>0.0494</b>	<b>0.2807</b>	<b>0.0633</b>	<b>0.0454</b>	<b>0.1087</b>	<b>0.0000</b>	<b>794.0390</b>	<b>794.0390</b>	<b>6.5900e-003</b>	<b>0.0000</b>	<b>794.1773</b>

**3.13 Phase Four: Grading - 2020**

**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					0.2142	0.0000	0.2142	0.1155	0.0000	0.1155	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0582	0.2524	2.6780	4.7500e-003		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	417.5617	417.5617	0.1351	0.0000	420.3978
<b>Total</b>	<b>0.0582</b>	<b>0.2524</b>	<b>2.6780</b>	<b>4.7500e-003</b>	<b>0.2142</b>	<b>1.1600e-003</b>	<b>0.2154</b>	<b>0.1155</b>	<b>1.1600e-003</b>	<b>0.1167</b>	<b>0.0000</b>	<b>417.5617</b>	<b>417.5617</b>	<b>0.1351</b>	<b>0.0000</b>	<b>420.3978</b>

**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	0.1944	2.5572	2.4990	9.1500e-003	0.2144	0.0492	0.2636	0.0588	0.0453	0.1041	0.0000	780.5158	780.5158	5.9400e-003	0.0000	780.6405
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	4.2800e-003	6.3300e-003	0.0658	2.1000e-004	0.0169	1.3000e-004	0.0170	4.4900e-003	1.2000e-004	4.6100e-003	0.0000	13.5232	13.5232	6.5000e-004	0.0000	13.5367
<b>Total</b>	<b>0.1987</b>	<b>2.5636</b>	<b>2.5648</b>	<b>9.3600e-003</b>	<b>0.2313</b>	<b>0.0494</b>	<b>0.2807</b>	<b>0.0633</b>	<b>0.0454</b>	<b>0.1087</b>	<b>0.0000</b>	<b>794.0390</b>	<b>794.0390</b>	<b>6.5900e-003</b>	<b>0.0000</b>	<b>794.1773</b>



**3.14 Phase Four: 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	0.0465	0.4199	0.3698	5.9000e-004		0.0245	0.0245		0.0230	0.0230	0.0000	50.7430	50.7430	0.0124	0.0000	51.0026
<b>Total</b>	<b>0.0465</b>	<b>0.4199</b>	<b>0.3698</b>	<b>5.9000e-004</b>		<b>0.0245</b>	<b>0.0245</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>50.7430</b>	<b>50.7430</b>	<b>0.0124</b>	<b>0.0000</b>	<b>51.0026</b>

**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	0.0530	0.4716	0.7708	1.6800e-003	0.0479	8.1200e-003	0.0561	0.0137	7.4700e-003	0.0212	0.0000	142.3095	142.3095	1.0300e-003	0.0000	142.3311
Worker	0.0699	0.1033	1.0751	3.3800e-003	0.2759	2.1500e-003	0.2780	0.0733	1.9900e-003	0.0753	0.0000	220.8137	220.8137	0.0106	0.0000	221.0356
<b>Total</b>	<b>0.1229</b>	<b>0.5749</b>	<b>1.8459</b>	<b>5.0600e-003</b>	<b>0.3238</b>	<b>0.0103</b>	<b>0.3341</b>	<b>0.0870</b>	<b>9.4600e-003</b>	<b>0.0964</b>	<b>0.0000</b>	<b>363.1232</b>	<b>363.1232</b>	<b>0.0116</b>	<b>0.0000</b>	<b>363.3667</b>

**3.14 Phase Four: Construction - 2020**

**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	7.1800e-003	0.0490	0.3830	5.9000e-004		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	50.7429	50.7429	0.0124	0.0000	51.0025
<b>Total</b>	<b>7.1800e-003</b>	<b>0.0490</b>	<b>0.3830</b>	<b>5.9000e-004</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>		<b>1.3000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>50.7429</b>	<b>50.7429</b>	<b>0.0124</b>	<b>0.0000</b>	<b>51.0025</b>

**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	0.0530	0.4716	0.7708	1.6800e-003	0.0479	8.1200e-003	0.0561	0.0137	7.4700e-003	0.0212	0.0000	142.3095	142.3095	1.0300e-003	0.0000	142.3311
Worker	0.0699	0.1033	1.0751	3.3800e-003	0.2759	2.1500e-003	0.2780	0.0733	1.9900e-003	0.0753	0.0000	220.8137	220.8137	0.0106	0.0000	221.0356
<b>Total</b>	<b>0.1229</b>	<b>0.5749</b>	<b>1.8459</b>	<b>5.0600e-003</b>	<b>0.3238</b>	<b>0.0103</b>	<b>0.3341</b>	<b>0.0870</b>	<b>9.4600e-003</b>	<b>0.0964</b>	<b>0.0000</b>	<b>363.1232</b>	<b>363.1232</b>	<b>0.0116</b>	<b>0.0000</b>	<b>363.3667</b>

**3.14 Phase Four: 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	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0339</b>	<b>301.0339</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5568</b>

**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	0.3030	2.3748	4.4564	9.9400e-003	0.2844	0.0439	0.3283	0.0812	0.0404	0.1216	0.0000	843.7771	843.7771	6.1500e-003	0.0000	843.9061
Worker	0.3922	0.5730	5.9895	0.0201	1.6365	0.0128	1.6493	0.4346	0.0118	0.4464	0.0000	1,289.4781	1,289.4781	0.0600	0.0000	1,290.7384
<b>Total</b>	<b>0.6952</b>	<b>2.9478</b>	<b>10.4459</b>	<b>0.0300</b>	<b>1.9209</b>	<b>0.0566</b>	<b>1.9775</b>	<b>0.5158</b>	<b>0.0522</b>	<b>0.5680</b>	<b>0.0000</b>	<b>2,133.2552</b>	<b>2,133.2552</b>	<b>0.0662</b>	<b>0.0000</b>	<b>2,134.6445</b>

**3.14 Phase Four: Construction - 2021**

**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	0.0426	0.2909	2.2721	3.5000e-003		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
<b>Total</b>	<b>0.0426</b>	<b>0.2909</b>	<b>2.2721</b>	<b>3.5000e-003</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>301.0335</b>	<b>301.0335</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5565</b>

**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	0.3030	2.3748	4.4564	9.9400e-003	0.2844	0.0439	0.3283	0.0812	0.0404	0.1216	0.0000	843.7771	843.7771	6.1500e-003	0.0000	843.9061
Worker	0.3922	0.5730	5.9895	0.0201	1.6365	0.0128	1.6493	0.4346	0.0118	0.4464	0.0000	1,289.4781	1,289.4781	0.0600	0.0000	1,290.7384
<b>Total</b>	<b>0.6952</b>	<b>2.9478</b>	<b>10.4459</b>	<b>0.0300</b>	<b>1.9209</b>	<b>0.0566</b>	<b>1.9775</b>	<b>0.5158</b>	<b>0.0522</b>	<b>0.5680</b>	<b>0.0000</b>	<b>2,133.2552</b>	<b>2,133.2552</b>	<b>0.0662</b>	<b>0.0000</b>	<b>2,134.6445</b>

**3.14 Phase Four: Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0348	0.3185	0.3347	5.5000e-004		0.0165	0.0165		0.0155	0.0155	0.0000	47.3068	47.3068	0.0113	0.0000	47.5445
<b>Total</b>	<b>0.0348</b>	<b>0.3185</b>	<b>0.3347</b>	<b>5.5000e-004</b>		<b>0.0165</b>	<b>0.0165</b>		<b>0.0155</b>	<b>0.0155</b>	<b>0.0000</b>	<b>47.3068</b>	<b>47.3068</b>	<b>0.0113</b>	<b>0.0000</b>	<b>47.5445</b>

**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	0.0465	0.3386	0.6830	1.5600e-003	0.0447	6.8200e-003	0.0515	0.0128	6.2700e-003	0.0190	0.0000	132.4287	132.4287	9.9000e-004	0.0000	132.4494
Worker	0.0583	0.0844	0.8846	3.1500e-003	0.2571	2.0000e-003	0.2591	0.0683	1.8600e-003	0.0701	0.0000	199.1965	199.1965	9.0300e-003	0.0000	199.3861
<b>Total</b>	<b>0.1048</b>	<b>0.4230</b>	<b>1.5676</b>	<b>4.7100e-003</b>	<b>0.3018</b>	<b>8.8200e-003</b>	<b>0.3106</b>	<b>0.0810</b>	<b>8.1300e-003</b>	<b>0.0892</b>	<b>0.0000</b>	<b>331.6252</b>	<b>331.6252</b>	<b>0.0100</b>	<b>0.0000</b>	<b>331.8355</b>

**3.14 Phase Four: Construction - 2022**

**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	6.6900e-003	0.0457	0.3569	5.5000e-004		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	47.3068	47.3068	0.0113	0.0000	47.5444
<b>Total</b>	<b>6.6900e-003</b>	<b>0.0457</b>	<b>0.3569</b>	<b>5.5000e-004</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>47.3068</b>	<b>47.3068</b>	<b>0.0113</b>	<b>0.0000</b>	<b>47.5444</b>

**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	0.0465	0.3386	0.6830	1.5600e-003	0.0447	6.8200e-003	0.0515	0.0128	6.2700e-003	0.0190	0.0000	132.4287	132.4287	9.9000e-004	0.0000	132.4494
Worker	0.0583	0.0844	0.8846	3.1500e-003	0.2571	2.0000e-003	0.2591	0.0683	1.8600e-003	0.0701	0.0000	199.1965	199.1965	9.0300e-003	0.0000	199.3861
<b>Total</b>	<b>0.1048</b>	<b>0.4230</b>	<b>1.5676</b>	<b>4.7100e-003</b>	<b>0.3018</b>	<b>8.8200e-003</b>	<b>0.3106</b>	<b>0.0810</b>	<b>8.1300e-003</b>	<b>0.0892</b>	<b>0.0000</b>	<b>331.6252</b>	<b>331.6252</b>	<b>0.0100</b>	<b>0.0000</b>	<b>331.8355</b>

### 3.15 Phase Four: 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	2.5348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6300e-003	0.0672	0.0800	1.3000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	11.2343	11.2343	7.7000e-004	0.0000	11.2505
<b>Total</b>	<b>2.5444</b>	<b>0.0672</b>	<b>0.0800</b>	<b>1.3000e-004</b>		<b>4.1400e-003</b>	<b>4.1400e-003</b>		<b>4.1400e-003</b>	<b>4.1400e-003</b>	<b>0.0000</b>	<b>11.2343</b>	<b>11.2343</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>11.2505</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0265	0.0387	0.4046	1.3600e-003	0.1106	8.6000e-004	0.1114	0.0294	8.0000e-004	0.0302	0.0000	87.1055	87.1055	4.0500e-003	0.0000	87.1906
<b>Total</b>	<b>0.0265</b>	<b>0.0387</b>	<b>0.4046</b>	<b>1.3600e-003</b>	<b>0.1106</b>	<b>8.6000e-004</b>	<b>0.1114</b>	<b>0.0294</b>	<b>8.0000e-004</b>	<b>0.0302</b>	<b>0.0000</b>	<b>87.1055</b>	<b>87.1055</b>	<b>4.0500e-003</b>	<b>0.0000</b>	<b>87.1906</b>

### 3.15 Phase Four: Architectural Coating - 2021

#### 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	2.5348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	5.6700e-003	0.0806	1.3000e-004		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	11.2343	11.2343	7.7000e-004	0.0000	11.2505
<b>Total</b>	<b>2.5361</b>	<b>5.6700e-003</b>	<b>0.0806</b>	<b>1.3000e-004</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>11.2343</b>	<b>11.2343</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>11.2505</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0265	0.0387	0.4046	1.3600e-003	0.1106	8.6000e-004	0.1114	0.0294	8.0000e-004	0.0302	0.0000	87.1055	87.1055	4.0500e-003	0.0000	87.1906
<b>Total</b>	<b>0.0265</b>	<b>0.0387</b>	<b>0.4046</b>	<b>1.3600e-003</b>	<b>0.1106</b>	<b>8.6000e-004</b>	<b>0.1114</b>	<b>0.0294</b>	<b>8.0000e-004</b>	<b>0.0302</b>	<b>0.0000</b>	<b>87.1055</b>	<b>87.1055</b>	<b>4.0500e-003</b>	<b>0.0000</b>	<b>87.1906</b>



**3.15 Phase Four: Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.3206					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1056	0.1360	2.2000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	19.1494	19.1494	1.2500e-003	0.0000	19.1756
<b>Total</b>	<b>4.3359</b>	<b>0.1056</b>	<b>0.1360</b>	<b>2.2000e-004</b>		<b>6.1300e-003</b>	<b>6.1300e-003</b>		<b>6.1300e-003</b>	<b>6.1300e-003</b>	<b>0.0000</b>	<b>19.1494</b>	<b>19.1494</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>19.1756</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0619	0.6484	2.3100e-003	0.1884	1.4700e-003	0.1899	0.0500	1.3600e-003	0.0514	0.0000	146.0086	146.0086	6.6200e-003	0.0000	146.1475
<b>Total</b>	<b>0.0427</b>	<b>0.0619</b>	<b>0.6484</b>	<b>2.3100e-003</b>	<b>0.1884</b>	<b>1.4700e-003</b>	<b>0.1899</b>	<b>0.0500</b>	<b>1.3600e-003</b>	<b>0.0514</b>	<b>0.0000</b>	<b>146.0086</b>	<b>146.0086</b>	<b>6.6200e-003</b>	<b>0.0000</b>	<b>146.1475</b>

**3.15 Phase Four: Architectural Coating - 2022**

**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	4.3206					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2300e-003	9.6600e-003	0.1374	2.2000e-004		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	19.1494	19.1494	1.2500e-003	0.0000	19.1756
<b>Total</b>	<b>4.3228</b>	<b>9.6600e-003</b>	<b>0.1374</b>	<b>2.2000e-004</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>19.1494</b>	<b>19.1494</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>19.1756</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0619	0.6484	2.3100e-003	0.1884	1.4700e-003	0.1899	0.0500	1.3600e-003	0.0514	0.0000	146.0086	146.0086	6.6200e-003	0.0000	146.1475
<b>Total</b>	<b>0.0427</b>	<b>0.0619</b>	<b>0.6484</b>	<b>2.3100e-003</b>	<b>0.1884</b>	<b>1.4700e-003</b>	<b>0.1899</b>	<b>0.0500</b>	<b>1.3600e-003</b>	<b>0.0514</b>	<b>0.0000</b>	<b>146.0086</b>	<b>146.0086</b>	<b>6.6200e-003</b>	<b>0.0000</b>	<b>146.1475</b>

**3.16 Phase Four: Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0465	0.4692	0.6141	9.6000e-004		0.0240	0.0240		0.0221	0.0221	0.0000	84.2861	84.2861	0.0273	0.0000	84.8586
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0465</b>	<b>0.4692</b>	<b>0.6141</b>	<b>9.6000e-004</b>		<b>0.0240</b>	<b>0.0240</b>		<b>0.0221</b>	<b>0.0221</b>	<b>0.0000</b>	<b>84.2861</b>	<b>84.2861</b>	<b>0.0273</b>	<b>0.0000</b>	<b>84.8586</b>

**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	1.6100e-003	2.3200e-003	0.0244	9.0000e-005	7.0800e-003	6.0000e-005	7.1300e-003	1.8800e-003	5.0000e-005	1.9300e-003	0.0000	5.4833	5.4833	2.5000e-004	0.0000	5.4885
<b>Total</b>	<b>1.6100e-003</b>	<b>2.3200e-003</b>	<b>0.0244</b>	<b>9.0000e-005</b>	<b>7.0800e-003</b>	<b>6.0000e-005</b>	<b>7.1300e-003</b>	<b>1.8800e-003</b>	<b>5.0000e-005</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>5.4833</b>	<b>5.4833</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>5.4885</b>

**3.16 Phase Four: Paving - 2022**

**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	0.0118	0.0512	0.7279	9.6000e-004		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	84.2860	84.2860	0.0273	0.0000	84.8585
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0118</b>	<b>0.0512</b>	<b>0.7279</b>	<b>9.6000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>84.2860</b>	<b>84.2860</b>	<b>0.0273</b>	<b>0.0000</b>	<b>84.8585</b>

**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	1.6100e-003	2.3200e-003	0.0244	9.0000e-005	7.0800e-003	6.0000e-005	7.1300e-003	1.8800e-003	5.0000e-005	1.9300e-003	0.0000	5.4833	5.4833	2.5000e-004	0.0000	5.4885
<b>Total</b>	<b>1.6100e-003</b>	<b>2.3200e-003</b>	<b>0.0244</b>	<b>9.0000e-005</b>	<b>7.0800e-003</b>	<b>6.0000e-005</b>	<b>7.1300e-003</b>	<b>1.8800e-003</b>	<b>5.0000e-005</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>5.4833</b>	<b>5.4833</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>5.4885</b>

**4.0 Operational Detail - Mobile**

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### 4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive 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	7.3592	14.8803	67.5822	0.1886	12.5192	0.2596	12.7789	3.3506	0.2396	3.5902	0.0000	12,957.7687	12,957.7687	0.4483	0.0000	12,967.1832
Unmitigated	8.1561	20.5618	87.1250	0.2799	18.8700	0.3768	19.2468	5.0503	0.3476	5.3980	0.0000	19,227.3768	19,227.3768	0.6474	0.0000	19,240.9722

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	110.95	110.95	110.95	319,263	209,450
Condo/Townhouse High Rise	1,176.00	1,432.00	1214.00	4,162,091	2,881,466
Condo/Townhouse High Rise	3,410.40	4,152.80	3520.60	12,070,064	8,356,252
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Government (Civic Center)	6,126.41	0.00	0.00	13,513,671	8,716,444
High Turnover (Sit Down Restaurant)	1,017.20	1,266.96	1054.72	1,442,202	950,727
Hotel	1,634.00	1,638.00	1190.00	3,749,016	2,465,413
Library	3,533.72	4,282.60	2345.08	8,762,925	5,655,704
Regional Shopping Center	3,238.08	1,599.04	807.68	5,746,096	3,781,132
<b>Total</b>	<b>20,246.76</b>	<b>14,482.35</b>	<b>10,243.03</b>	<b>49,765,327</b>	<b>33,016,588</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.504606	0.059848	0.182048	0.140509	0.043346	0.006835	0.016277	0.034901	0.001966	0.002503	0.004308	0.000568	0.002288

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,044.0518	3,044.0518	0.1399	0.0290	3,055.9648
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,790.6450	5,790.6450	0.2662	0.0551	5,813.3068
NaturalGas Mitigated	0.1288	1.1429	0.7796	7.0200e-003		0.0890	0.0890		0.0890	0.0890	0.0000	1,274.4601	1,274.4601	0.0244	0.0234	1,282.2162
NaturalGas Unmitigated	0.1534	1.3613	0.9289	8.3700e-003		0.1060	0.1060		0.1060	0.1060	0.0000	1,517.9297	1,517.9297	0.0291	0.0278	1,527.1676

### 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					
Condo/Townhouse High Rise	2.88121e+006	0.0155	0.1328	0.0565	8.5000e-004		0.0107	0.0107		0.0107	0.0107	0.0000	153.7521	153.7521	2.9500e-003	2.8200e-003	154.6878
Condo/Townhouse High Rise	8.3555e+006	0.0451	0.3850	0.1638	2.4600e-003		0.0311	0.0311		0.0311	0.0311	0.0000	445.8812	445.8812	8.5500e-003	8.1700e-003	448.5947
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	6.29342e+006	0.0339	0.3085	0.2591	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	335.8407	335.8407	6.4400e-003	6.1600e-003	337.8846
High Turnover (Sit Down Restaurant)	1.86408e+006	0.0101	0.0914	0.0768	5.5000e-004		6.9400e-003	6.9400e-003		6.9400e-003	6.9400e-003	0.0000	99.4744	99.4744	1.9100e-003	1.8200e-003	100.0798
Hotel	7.26581e+006	0.0392	0.3562	0.2992	2.1400e-003		0.0271	0.0271		0.0271	0.0271	0.0000	387.7312	387.7312	7.4300e-003	7.1100e-003	390.0909
Library	1.73052e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3471	92.3471	1.7700e-003	1.6900e-003	92.9092
Regional Shopping Center	54400	2.9000e-004	2.6700e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.9030	2.9030	6.0000e-005	5.0000e-005	2.9207
City Park	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
<b>Total</b>		<b>0.1534</b>	<b>1.3613</b>	<b>0.9289</b>	<b>8.3800e-003</b>		<b>0.1060</b>	<b>0.1060</b>		<b>0.1060</b>	<b>0.1060</b>	<b>0.0000</b>	<b>1,517.9297</b>	<b>1,517.9297</b>	<b>0.0291</b>	<b>0.0278</b>	<b>1,527.1676</b>



### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse High Rise	2.423e+006	0.0131	0.1117	0.0475	7.1000e-004		9.0300e-003	9.0300e-003		9.0300e-003	9.0300e-003	0.0000	129.3008	129.3008	2.4800e-003	2.3700e-003	130.0877
Condo/Townhouse High Rise	7.02671e+006	0.0379	0.3238	0.1378	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	374.9722	374.9722	7.1900e-003	6.8700e-003	377.2542
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	5.07965e+006	0.0274	0.2490	0.2092	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	271.0693	271.0693	5.2000e-003	4.9700e-003	272.7189
High Turnover (Sit Down Restaurant)	1.79171e+006	9.6600e-003	0.0878	0.0738	5.3000e-004		6.6800e-003	6.6800e-003		6.6800e-003	6.6800e-003	0.0000	95.6126	95.6126	1.8300e-003	1.7500e-003	96.1945
Hotel	6.04845e+006	0.0326	0.2965	0.2491	1.7800e-003		0.0225	0.0225		0.0225	0.0225	0.0000	322.7684	322.7684	6.1900e-003	5.9200e-003	324.7327
Library	1.4663e+006	7.9100e-003	0.0719	0.0604	4.3000e-004		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	78.2471	78.2471	1.5000e-003	1.4300e-003	78.7233
Regional Shopping Center	46656	2.5000e-004	2.2900e-003	1.9200e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	2.4897	2.4897	5.0000e-005	5.0000e-005	2.5049
City Park	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
<b>Total</b>		<b>0.1288</b>	<b>1.1429</b>	<b>0.7796</b>	<b>7.0200e-003</b>		<b>0.0890</b>	<b>0.0890</b>		<b>0.0890</b>	<b>0.0890</b>	<b>0.0000</b>	<b>1,274.4601</b>	<b>1,274.4601</b>	<b>0.0244</b>	<b>0.0234</b>	<b>1,282.2162</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.55077e+006	729.9460	0.0336	6.9400e-003	732.8027
Condo/Townhouse High Rise	879576	251.7055	0.0116	2.3900e-003	252.6906
Enclosed Parking with Elevator	1.37226e+006	392.6965	0.0181	3.7300e-003	394.2334
Enclosed Parking with Elevator	1.9546e+006	559.3418	0.0257	5.3200e-003	561.5308
Enclosed Parking with Elevator	674000	192.8765	8.8700e-003	1.8300e-003	193.6313
Government (Civic Center)	8.36627e+006	2,394.1501	0.1101	0.0228	2,403.5197
High Turnover (Sit Down Restaurant)	375280	107.3927	4.9400e-003	1.0200e-003	107.8130
Hotel	2.4684e+006	706.3744	0.0325	6.7200e-003	709.1388
Library	1.1086e+006	317.2446	0.0146	3.0200e-003	318.4862
Regional Shopping Center	485440	138.9169	6.3900e-003	1.3200e-003	139.4605
<b>Total</b>		<b>5,790.6450</b>	<b>0.2662</b>	<b>0.0551</b>	<b>5,813.3068</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1.563e+006	447.2776	0.0206	4.2500e-003	449.0280
Condo/Townhouse High Rise	538964	154.2336	7.0900e-003	1.4700e-003	154.8372
Enclosed Parking with Elevator	298763	85.4959	3.9300e-003	8.1000e-004	85.8305
Enclosed Parking with Elevator	608280	174.0697	8.0000e-003	1.6600e-003	174.7510
Enclosed Parking with Elevator	866411	247.9382	0.0114	2.3600e-003	248.9085
Government (Civic Center)	4.39985e+006	1,259.0915	0.0579	0.0120	1,264.0189
High Turnover (Sit Down Restaurant)	229788	65.7577	3.0200e-003	6.3000e-004	66.0151
Hotel	1.30865e+006	374.4927	0.0172	3.5600e-003	375.9583
Library	609788	174.5010	8.0200e-003	1.6600e-003	175.1839
Regional Shopping Center	213840	61.1939	2.8100e-003	5.8000e-004	61.4334
<b>Total</b>		<b>3,044.0518</b>	<b>0.1399</b>	<b>0.0290</b>	<b>3,055.9648</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive 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	10.2925	0.0837	7.1245	3.5000e-004		0.0388	0.0388		0.0388	0.0388	0.0000	11.2127	11.2127	9.8600e-003	0.0000	11.4198
Unmitigated	11.7277	0.0936	8.1014	4.3000e-004		0.0445	0.0445		0.0445	0.0445	0.0000	13.1990	13.1990	0.0130	0.0000	13.4714

### 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	2.0302					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2487	0.0936	8.1014	4.3000e-004		0.0445	0.0445		0.0445	0.0445	0.0000	13.1990	13.1990	0.0130	0.0000	13.4714
<b>Total</b>	<b>11.7277</b>	<b>0.0936</b>	<b>8.1014</b>	<b>4.3000e-004</b>		<b>0.0445</b>	<b>0.0445</b>		<b>0.0445</b>	<b>0.0445</b>	<b>0.0000</b>	<b>13.1990</b>	<b>13.1990</b>	<b>0.0130</b>	<b>0.0000</b>	<b>13.4714</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6538					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1899	0.0837	7.1245	3.5000e-004		0.0388	0.0388		0.0388	0.0388	0.0000	11.2127	11.2127	9.8600e-003	0.0000	11.4198
<b>Total</b>	<b>10.2925</b>	<b>0.0837</b>	<b>7.1245</b>	<b>3.5000e-004</b>		<b>0.0388</b>	<b>0.0388</b>		<b>0.0388</b>	<b>0.0388</b>	<b>0.0000</b>	<b>11.2127</b>	<b>11.2127</b>	<b>9.8600e-003</b>	<b>0.0000</b>	<b>11.4198</b>

## 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	911.7910	4.6780	0.1176	1,046.4854
Unmitigated	1,077.5393	5.8457	0.1466	1,245.7540

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.777	12.0083	5.5000e-004	1.1000e-004	12.0553
Condo/Townhouse High Rise	50.8201 / 32.0388	307.3492	1.6694	0.0419	355.3857
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	114.386 / 70.1077	685.4076	3.7571	0.0942	793.5036
High Turnover (Sit Down Restaurant)	2.42827 / 0.154996	10.3113	0.0796	1.9600e-003	12.5895
Hotel	5.07335 / 0.563706	22.3060	0.1663	4.1000e-003	27.0687
Library	2.87858 / 4.50239	25.9539	0.0950	2.4500e-003	28.7082
Regional Shopping Center	2.37032 / 1.45278	14.2031	0.0779	1.9500e-003	16.4430
<b>Total</b>		<b>1,077.5393</b>	<b>5.8457</b>	<b>0.1466</b>	<b>1,245.7540</b>



## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.5466	11.2758	5.2000e-004	1.1000e-004	11.3199
Condo/Townhouse High Rise	40.6561 / 30.0844	260.0381	1.3359	0.0336	298.5022
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	91.509 / 65.8311	579.3084	3.0066	0.0755	665.8601
High Turnover (Sit Down Restaurant)	1.94262 / 0.145541	8.3176	0.0636	1.5700e-003	10.1394
Hotel	4.05868 / 0.52932	18.0939	0.1330	3.2800e-003	21.9030
Library	2.30286 / 4.22775	22.7528	0.0760	1.9800e-003	24.9629
Regional Shopping Center	1.89626 / 1.36416	12.0045	0.0623	1.5700e-003	13.7980
<b>Total</b>		<b>911.7910</b>	<b>4.6780</b>	<b>0.1176</b>	<b>1,046.4854</b>

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	804.6745	47.5549	0.0000	1,803.327 3
Unmitigated	804.6745	47.5549	0.0000	1,803.327 3

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.27	0.0548	3.2400e-003	0.0000	0.1228
Condo/Townhouse High Rise	358.8	72.8332	4.3043	0.0000	163.2238
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	3282	666.2163	39.3723	0.0000	1,493.0338
High Turnover (Sit Down Restaurant)	95.2	19.3247	1.1421	0.0000	43.3080
Hotel	109.5	22.2275	1.3136	0.0000	49.8133
Library	84.72	17.1974	1.0163	0.0000	38.5405
Regional Shopping Center	33.6	6.8205	0.4031	0.0000	15.2852
<b>Total</b>		<b>804.6745</b>	<b>47.5549</b>	<b>0.0000</b>	<b>1,803.3273</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.27	0.0548	3.2400e-003	0.0000	0.1228
Condo/Townhouse High Rise	358.8	72.8332	4.3043	0.0000	163.2238
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	3282	666.2163	39.3723	0.0000	1,493.0338
High Turnover (Sit Down Restaurant)	95.2	19.3247	1.1421	0.0000	43.3080
Hotel	109.5	22.2275	1.3136	0.0000	49.8133
Library	84.72	17.1974	1.0163	0.0000	38.5405
Regional Shopping Center	33.6	6.8205	0.4031	0.0000	15.2852
<b>Total</b>		<b>804.6745</b>	<b>47.5549</b>	<b>0.0000</b>	<b>1,803.3273</b>

## 9.0 Operational Offroad

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