

**Reduced Density Alternative  
Long Beach Civic Center  
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)	547.00	1000sqft	3.78	547,003.00	0
Library	87.40	1000sqft	1.73	87,400.00	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)	7.60	1000sqft	0.00	7,600.00	0
Hotel	190.00	Room	0.00	275,880.00	0
Condo/Townhouse High Rise	190.00	Dwelling Unit	0.90	223,250.00	543
Condo/Townhouse High Rise	551.00	Dwelling Unit	6.29	617,500.00	1576
Regional Shopping Center	30.40	1000sqft	0.00	30,400.00	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. Reduced by 5%.

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. Reduced by 5% for Alt.

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
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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
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
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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
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	1.3970e-003	1.0860e-003
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tblVehicleEF	MHD	0.04	0.03
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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

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tblVehicleEF	MHD	9.7500e-003	9.7330e-003
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tblVehicleEF	MHD	0.18	0.20
tblVehicleEF	MHD	1.5020e-003	1.4000e-003
tblVehicleEF	MHD	0.11	0.10
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tblVehicleEF	MHD	7.0270e-003	7.6940e-003
tblVehicleEF	MHD	3.5450e-003	3.3250e-003
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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
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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
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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
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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

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tblVehicleEF	MHD	1.63	1.44
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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
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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
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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
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tblVehicleEF	OBUS	2.14	1.19
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tblVehicleEF	OBUS	8.0480e-003	7.4120e-003
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tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	4.9700e-004
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tblVehicleEF	OBUS	2.6450e-003	2.6520e-003
tblVehicleEF	OBUS	0.04	0.04
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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
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tblVehicleEF	OBUS	2.7960e-003	2.9670e-003
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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	37.05	0.00
tblWoodstoves	NumberNoncatalytic	37.05	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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**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	19.0469	161.6853	193.8570	0.3886	23.0128	6.5084	29.5212	7.8547	6.0259	13.8806	0.0000	36,523.53 74	36,523.53 74	3.4037	0.0000	36,595.01 50
2017	36.4854	149.2067	181.1991	0.3884	26.2319	5.9670	32.1989	8.6450	5.5240	14.1690	0.0000	35,641.32 55	35,641.32 55	3.3332	0.0000	35,711.32 31
2018	44.7872	73.8943	139.5446	0.3251	17.7166	3.1280	20.8446	4.7419	2.9204	7.6624	0.0000	27,878.43 95	27,878.43 95	2.1422	0.0000	27,923.42 58
2019	45.8311	135.3750	167.8930	0.4240	23.6533	5.6473	28.4575	8.0279	5.2243	12.4745	0.0000	37,440.66 80	37,440.66 80	3.9602	0.0000	37,523.83 31
2020	14.7810	124.7773	166.2826	0.4481	24.2259	4.4808	28.7067	8.1871	4.1457	12.3327	0.0000	38,685.59 28	38,685.59 28	3.2268	0.0000	38,753.35 62
2021	62.8309	40.9887	105.9604	0.3003	17.5493	1.5015	19.0508	4.6976	1.4091	6.1067	0.0000	23,711.91 53	23,711.91 53	1.2915	0.0000	23,739.03 70
2022	62.3768	37.1682	101.6335	0.3002	17.5493	1.3361	18.8855	4.6976	1.2535	5.9512	0.0000	23,479.98 52	23,479.98 52	1.2617	0.0000	23,506.48 08
<b>Total</b>	<b>286.1394</b>	<b>723.0954</b>	<b>1,056.370 1</b>	<b>2.5746</b>	<b>149.9391</b>	<b>28.5691</b>	<b>177.6652</b>	<b>46.8519</b>	<b>26.5029</b>	<b>72.5770</b>	<b>0.0000</b>	<b>223,361.4 637</b>	<b>223,361.4 637</b>	<b>18.6194</b>	<b>0.0000</b>	<b>223,752.4 709</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	62.4034	0.7116	61.5781	3.2500e-003		0.3381	0.3381		0.3381	0.3381	0.0000	110.5915	110.5915	0.1087	0.0000	112.8745
Energy	0.7984	7.0863	4.8354	0.0436		0.5516	0.5516		0.5516	0.5516		8,709.9689	8,709.9689	0.1669	0.1597	8,762.9764
Mobile	53.9481	124.4165	559.6226	1.8875	124.5608	2.4408	127.0016	33.2871	2.2518	35.5389		142,584.2986	142,584.2986	4.6259		142,681.4422
<b>Total</b>	<b>117.1500</b>	<b>132.2144</b>	<b>626.0360</b>	<b>1.9343</b>	<b>124.5608</b>	<b>3.3306</b>	<b>127.8914</b>	<b>33.2871</b>	<b>3.1415</b>	<b>36.4286</b>	<b>0.0000</b>	<b>151,404.8590</b>	<b>151,404.8590</b>	<b>4.9016</b>	<b>0.1597</b>	<b>151,557.2930</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	54.7687	0.6363	54.1519	2.6800e-003		0.2946	0.2946		0.2946	0.2946	0.0000	93.9478	93.9478	0.0826	0.0000	95.6829
Energy	0.6704	5.9494	4.0581	0.0366		0.4632	0.4632		0.4632	0.4632		7,312.9259	7,312.9259	0.1402	0.1341	7,357.4312
Mobile	48.6316	90.2790	421.2011	1.2696	82.5116	1.6781	84.1897	22.0501	1.5484	23.5984		95,917.5072	95,917.5072	3.1975		95,984.6553
<b>Total</b>	<b>104.0706</b>	<b>96.8647</b>	<b>479.4111</b>	<b>1.3088</b>	<b>82.5116</b>	<b>2.4359</b>	<b>84.9475</b>	<b>22.0501</b>	<b>2.3061</b>	<b>24.3562</b>	<b>0.0000</b>	<b>103,324.3808</b>	<b>103,324.3808</b>	<b>3.4203</b>	<b>0.1341</b>	<b>103,437.7694</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	11.16	26.74	23.42	32.34	33.76	26.86	33.58	33.76	26.59	33.14	0.00	31.76	31.76	30.22	16.04	31.75

### 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: 452,081; Residential Outdoor: 150,694; Non-Residential Indoor: 142,500; Non-Residential Outdoor: 47,500 (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 Coa	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**

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	0.3763	6.0306	4.2655	0.0162	0.3833	0.0957	0.4791	0.1050	0.0881	0.1930		1,634.933 8	1,634.933 8	0.0116		1,635.177 8
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>0.4390</b>	<b>6.1089</b>	<b>5.2405</b>	<b>0.0183</b>	<b>0.5510</b>	<b>0.0971</b>	<b>0.6481</b>	<b>0.1494</b>	<b>0.0894</b>	<b>0.2388</b>		<b>1,813.352 6</b>	<b>1,813.352 6</b>	<b>0.0208</b>		<b>1,813.788 8</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	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365	0.0000	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>2.1427</b>	<b>2.2921</b>	<b>4.4348</b>	<b>0.3244</b>	<b>2.1365</b>	<b>2.4610</b>	<b>0.0000</b>	<b>4,089.284 1</b>	<b>4,089.284 1</b>	<b>1.1121</b>		<b>4,112.637 4</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	0.3763	6.0306	4.2655	0.0162	0.3833	0.0957	0.4791	0.1050	0.0881	0.1930		1,634.933 8	1,634.933 8	0.0116		1,635.177 8
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>0.4390</b>	<b>6.1089</b>	<b>5.2405</b>	<b>0.0183</b>	<b>0.5510</b>	<b>0.0971</b>	<b>0.6481</b>	<b>0.1494</b>	<b>0.0894</b>	<b>0.2388</b>		<b>1,813.352 6</b>	<b>1,813.352 6</b>	<b>0.0208</b>		<b>1,813.788 8</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	1.3551	21.7171	15.3606	0.0584	1.6913	0.3448	2.0361	0.4543	0.3171	0.7714		5,887.6458	5,887.6458	0.0418		5,888.5244
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>1.4387</b>	<b>21.8215</b>	<b>16.6606</b>	<b>0.0612</b>	<b>1.9149</b>	<b>0.3466</b>	<b>2.2615</b>	<b>0.5136</b>	<b>0.3188</b>	<b>0.8324</b>		<b>6,125.5375</b>	<b>6,125.5375</b>	<b>0.0541</b>		<b>6,126.6724</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	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>2.7493</b>	<b>3.5842</b>	<b>6.3335</b>	<b>1.4953</b>	<b>3.2975</b>	<b>4.7928</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	1.3551	21.7171	15.3606	0.0584	1.6913	0.3448	2.0361	0.4543	0.3171	0.7714		5,887.6458	5,887.6458	0.0418		5,888.5244
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>1.4387</b>	<b>21.8215</b>	<b>16.6606</b>	<b>0.0612</b>	<b>1.9149</b>	<b>0.3466</b>	<b>2.2615</b>	<b>0.5136</b>	<b>0.3188</b>	<b>0.8324</b>		<b>6,125.5375</b>	<b>6,125.5375</b>	<b>0.0541</b>		<b>6,126.6724</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	1.2803	19.9056	14.7308	0.0584	4.9098	0.3151	5.2248	1.2443	0.2899	1.5342		5,790.9948	5,790.9948	0.0410		5,791.8550
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	0.0751	0.0943	1.1759	2.8300e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		228.7867	228.7867	0.0113		229.0232
<b>Total</b>	<b>1.3554</b>	<b>19.9999</b>	<b>15.9068</b>	<b>0.0612</b>	<b>5.1333</b>	<b>0.3169</b>	<b>5.4502</b>	<b>1.3036</b>	<b>0.2915</b>	<b>1.5951</b>		<b>6,019.7815</b>	<b>6,019.7815</b>	<b>0.0522</b>		<b>6,020.8782</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	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	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>2.7493</b>	<b>3.3172</b>	<b>6.0664</b>	<b>1.4953</b>	<b>3.0518</b>	<b>4.5471</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	1.2803	19.9056	14.7308	0.0584	4.9098	0.3151	5.2248	1.2443	0.2899	1.5342		5,790.9948	5,790.9948	0.0410		5,791.8550
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	0.0751	0.0943	1.1759	2.8300e-003	0.2236	1.8000e-003	0.2254	0.0593	1.6600e-003	0.0610		228.7867	228.7867	0.0113		229.0232
<b>Total</b>	<b>1.3554</b>	<b>19.9999</b>	<b>15.9068</b>	<b>0.0612</b>	<b>5.1333</b>	<b>0.3169</b>	<b>5.4502</b>	<b>1.3036</b>	<b>0.2915</b>	<b>1.5951</b>		<b>6,019.7815</b>	<b>6,019.7815</b>	<b>0.0522</b>		<b>6,020.8782</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	2.9475	30.5740	35.2552	0.0770	2.2124	0.5034	2.7159	0.6301	0.4629	1.0930		7,718.2237	7,718.2237	0.0551		7,719.3805
Worker	4.7752	5.9697	74.2972	0.1619	12.7760	0.1068	12.8828	3.3883	0.0982	3.4864		13,595.5091	13,595.5091	0.6976		13,610.1576
<b>Total</b>	<b>7.7226</b>	<b>36.5437</b>	<b>109.5523</b>	<b>0.2389</b>	<b>14.9885</b>	<b>0.6102</b>	<b>15.5987</b>	<b>4.0183</b>	<b>0.5611</b>	<b>4.5794</b>		<b>21,313.7328</b>	<b>21,313.7328</b>	<b>0.7526</b>		<b>21,329.5381</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	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>

#### 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	2.9475	30.5740	35.2552	0.0770	2.2124	0.5034	2.7159	0.6301	0.4629	1.0930		7,718.2237	7,718.2237	0.0551		7,719.3805
Worker	4.7752	5.9697	74.2972	0.1619	12.7760	0.1068	12.8828	3.3883	0.0982	3.4864		13,595.5091	13,595.5091	0.6976		13,610.1576
<b>Total</b>	<b>7.7226</b>	<b>36.5437</b>	<b>109.5523</b>	<b>0.2389</b>	<b>14.9885</b>	<b>0.6102</b>	<b>15.5987</b>	<b>4.0183</b>	<b>0.5611</b>	<b>4.5794</b>		<b>21,313.7328</b>	<b>21,313.7328</b>	<b>0.7526</b>		<b>21,329.5381</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	2.7008	27.8195	33.1546	0.0769	2.2131	0.4490	2.6621	0.6304	0.4129	1.0433		7,593.2098	7,593.2098	0.0532		7,594.3279
Worker	4.2907	5.3896	67.2036	0.1618	12.7760	0.1027	12.8788	3.3883	0.0948	3.4830		13,075.1599	13,075.1599	0.6437		13,088.6766
<b>Total</b>	<b>6.9915</b>	<b>33.2091</b>	<b>100.3582</b>	<b>0.2387</b>	<b>14.9892</b>	<b>0.5517</b>	<b>15.5409</b>	<b>4.0186</b>	<b>0.5077</b>	<b>4.5263</b>		<b>20,668.3697</b>	<b>20,668.3697</b>	<b>0.6969</b>		<b>20,683.0044</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	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>

**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	2.7008	27.8195	33.1546	0.0769	2.2131	0.4490	2.6621	0.6304	0.4129	1.0433		7,593.2098	7,593.2098	0.0532		7,594.3279
Worker	4.2907	5.3896	67.2036	0.1618	12.7760	0.1027	12.8788	3.3883	0.0948	3.4830		13,075.1599	13,075.1599	0.6437		13,088.6766
<b>Total</b>	<b>6.9915</b>	<b>33.2091</b>	<b>100.3582</b>	<b>0.2387</b>	<b>14.9892</b>	<b>0.5517</b>	<b>15.5409</b>	<b>4.0186</b>	<b>0.5077</b>	<b>4.5263</b>		<b>20,668.3697</b>	<b>20,668.3697</b>	<b>0.6969</b>		<b>20,683.0044</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	2.5327	25.5324	31.5858	0.0768	2.2132	0.4232	2.6364	0.6304	0.3893	1.0196		7,465.7922	7,465.7922	0.0529		7,466.9030
Worker	3.8677	4.8889	61.0458	0.1617	12.7760	0.1000	12.8760	3.3883	0.0925	3.4808		12,588.6496	12,588.6496	0.5974		12,601.1941
<b>Total</b>	<b>6.4004</b>	<b>30.4212</b>	<b>92.6317</b>	<b>0.2385</b>	<b>14.9892</b>	<b>0.5232</b>	<b>15.5124</b>	<b>4.0186</b>	<b>0.4818</b>	<b>4.5004</b>		<b>20,054.4418</b>	<b>20,054.4418</b>	<b>0.6503</b>		<b>20,068.0971</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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	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>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	2.5327	25.5324	31.5858	0.0768	2.2132	0.4232	2.6364	0.6304	0.3893	1.0196		7,465.7922	7,465.7922	0.0529		7,466.9030
Worker	3.8677	4.8889	61.0458	0.1617	12.7760	0.1000	12.8760	3.3883	0.0925	3.4808		12,588.6496	12,588.6496	0.5974		12,601.1941
<b>Total</b>	<b>6.4004</b>	<b>30.4212</b>	<b>92.6317</b>	<b>0.2385</b>	<b>14.9892</b>	<b>0.5232</b>	<b>15.5124</b>	<b>4.0186</b>	<b>0.4818</b>	<b>4.5004</b>		<b>20,054.4418</b>	<b>20,054.4418</b>	<b>0.6503</b>		<b>20,068.0971</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	2.3985	23.5467	30.3988	0.0765	2.2134	0.4016	2.6150	0.6304	0.3694	0.9998		7,320.7556	7,320.7556	0.0519		7,321.8448
Worker	3.5602	4.4843	56.1058	0.1614	12.7760	0.0982	12.8743	3.3883	0.0911	3.4793		12,111.4052	12,111.4052	0.5592		12,123.1481
<b>Total</b>	<b>5.9586</b>	<b>28.0310</b>	<b>86.5046</b>	<b>0.2379</b>	<b>14.9894</b>	<b>0.4998</b>	<b>15.4892</b>	<b>4.0187</b>	<b>0.4605</b>	<b>4.4792</b>		<b>19,432.1608</b>	<b>19,432.1608</b>	<b>0.6111</b>		<b>19,444.9929</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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	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>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	2.3985	23.5467	30.3988	0.0765	2.2134	0.4016	2.6150	0.6304	0.3694	0.9998		7,320.7556	7,320.7556	0.0519		7,321.8448
Worker	3.5602	4.4843	56.1058	0.1614	12.7760	0.0982	12.8743	3.3883	0.0911	3.4793		12,111.4052	12,111.4052	0.5592		12,123.1481
<b>Total</b>	<b>5.9586</b>	<b>28.0310</b>	<b>86.5046</b>	<b>0.2379</b>	<b>14.9894</b>	<b>0.4998</b>	<b>15.4892</b>	<b>4.0187</b>	<b>0.4605</b>	<b>4.4792</b>		<b>19,432.1608</b>	<b>19,432.1608</b>	<b>0.6111</b>		<b>19,444.9929</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	0.0563	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>

**3.5 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	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	0.0000					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>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	0.0563	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>

**3.6 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	23.2359					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>23.5682</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	0.8596	1.0798	13.4643	0.0324	2.5597	0.0206	2.5803	0.6788	0.0190	0.6978		2,619.6077	2,619.6077	0.1290		2,622.3158
<b>Total</b>	<b>0.8596</b>	<b>1.0798</b>	<b>13.4643</b>	<b>0.0324</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>2,619.6077</b>	<b>2,619.6077</b>	<b>0.1290</b>		<b>2,622.3158</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	23.2359					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>23.5682</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>

#### 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	0.8596	1.0798	13.4643	0.0324	2.5597	0.0206	2.5803	0.6788	0.0190	0.6978		2,619.6077	2,619.6077	0.1290		2,622.3158
<b>Total</b>	<b>0.8596</b>	<b>1.0798</b>	<b>13.4643</b>	<b>0.0324</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>2,619.6077</b>	<b>2,619.6077</b>	<b>0.1290</b>		<b>2,622.3158</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	32.9825					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>33.2811</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	0.7749	0.9795	12.2305	0.0324	2.5597	0.0200	2.5797	0.6788	0.0185	0.6974		2,522.1354	2,522.1354	0.1197		2,524.6487
<b>Total</b>	<b>0.7749</b>	<b>0.9795</b>	<b>12.2305</b>	<b>0.0324</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>2,522.1354</b>	<b>2,522.1354</b>	<b>0.1197</b>		<b>2,524.6487</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	32.9825					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	0.0000	281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>33.2811</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>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	0.7749	0.9795	12.2305	0.0324	2.5597	0.0200	2.5797	0.6788	0.0185	0.6974		2,522.1354	2,522.1354	0.1197		2,524.6487
<b>Total</b>	<b>0.7749</b>	<b>0.9795</b>	<b>12.2305</b>	<b>0.0324</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>2,522.1354</b>	<b>2,522.1354</b>	<b>0.1197</b>		<b>2,524.6487</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	32.9825					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>33.2489</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	0.7133	0.8984	11.2408	0.0323	2.5597	0.0197	2.5794	0.6788	0.0182	0.6971		2,426.5195	2,426.5195	0.1120		2,428.8722
<b>Total</b>	<b>0.7133</b>	<b>0.8984</b>	<b>11.2408</b>	<b>0.0323</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>2,426.5195</b>	<b>2,426.5195</b>	<b>0.1120</b>		<b>2,428.8722</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	32.9825					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	0.0000	281.4481	281.4481	0.0238		281.9473
<b>Total</b>	<b>33.2489</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>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	0.7133	0.8984	11.2408	0.0323	2.5597	0.0197	2.5794	0.6788	0.0182	0.6971		2,426.5195	2,426.5195	0.1120		2,428.8722
<b>Total</b>	<b>0.7133</b>	<b>0.8984</b>	<b>11.2408</b>	<b>0.0323</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>2,426.5195</b>	<b>2,426.5195</b>	<b>0.1120</b>		<b>2,428.8722</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	0.0508	0.0642	0.8011	2.1200e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		165.2054	165.2054	7.8400e-003		165.3700
<b>Total</b>	<b>0.0508</b>	<b>0.0642</b>	<b>0.8011</b>	<b>2.1200e-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>165.2054</b>	<b>165.2054</b>	<b>7.8400e-003</b>		<b>165.3700</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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	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>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>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	0.0508	0.0642	0.8011	2.1200e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		165.2054	165.2054	7.8400e-003		165.3700
<b>Total</b>	<b>0.0508</b>	<b>0.0642</b>	<b>0.8011</b>	<b>2.1200e-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>165.2054</b>	<b>165.2054</b>	<b>7.8400e-003</b>		<b>165.3700</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	0.0467	0.0589	0.7363	2.1200e-003	0.1677	1.2900e-003	0.1690	0.0445	1.1900e-003	0.0457		158.9423	158.9423	7.3400e-003		159.0964
<b>Total</b>	<b>0.0467</b>	<b>0.0589</b>	<b>0.7363</b>	<b>2.1200e-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>158.9423</b>	<b>158.9423</b>	<b>7.3400e-003</b>		<b>159.0964</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	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.973 1	2,208.973 1	0.6989		2,223.649 9
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>0.0000</b>	<b>2,208.973 1</b>	<b>2,208.973 1</b>	<b>0.6989</b>		<b>2,223.649 9</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	0.0467	0.0589	0.7363	2.1200e-003	0.1677	1.2900e-003	0.1690	0.0445	1.1900e-003	0.0457		158.9423	158.9423	7.3400e-003		159.0964
<b>Total</b>	<b>0.0467</b>	<b>0.0589</b>	<b>0.7363</b>	<b>2.1200e-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>158.9423</b>	<b>158.9423</b>	<b>7.3400e-003</b>		<b>159.0964</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	0.0878	1.2432	1.0165	4.1900e-003	0.0995	0.0227	0.1222	0.0273	0.0209	0.0481		402.4140	402.4140	2.9700e-003		402.4764
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	0.0467	0.0589	0.7363	2.1200e-003	0.1677	1.2900e-003	0.1690	0.0445	1.1900e-003	0.0457		158.9423	158.9423	7.3400e-003		159.0964
<b>Total</b>	<b>0.1345</b>	<b>1.3021</b>	<b>1.7528</b>	<b>6.3100e-003</b>	<b>0.2672</b>	<b>0.0240</b>	<b>0.2911</b>	<b>0.0717</b>	<b>0.0220</b>	<b>0.0938</b>		<b>561.3563</b>	<b>561.3563</b>	<b>0.0103</b>		<b>561.5728</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	3.3224	33.9413	30.8050	0.0399		1.6448	1.6448		1.5316	1.5316	0.0000	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>0.5557</b>	<b>1.6448</b>	<b>2.2005</b>	<b>0.0841</b>	<b>1.5316</b>	<b>1.6157</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	0.0878	1.2432	1.0165	4.1900e-003	0.0995	0.0227	0.1222	0.0273	0.0209	0.0481		402.4140	402.4140	2.9700e-003		402.4764
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	0.0467	0.0589	0.7363	2.1200e-003	0.1677	1.2900e-003	0.1690	0.0445	1.1900e-003	0.0457		158.9423	158.9423	7.3400e-003		159.0964
<b>Total</b>	<b>0.1345</b>	<b>1.3021</b>	<b>1.7528</b>	<b>6.3100e-003</b>	<b>0.2672</b>	<b>0.0240</b>	<b>0.2911</b>	<b>0.0717</b>	<b>0.0220</b>	<b>0.0938</b>		<b>561.3563</b>	<b>561.3563</b>	<b>0.0103</b>		<b>561.5728</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	1.9860	28.1274	22.9975	0.0947	2.2516	0.5128	2.7643	0.6166	0.4717	1.0884		9,104.510 2	9,104.510 2	0.0672		9,105.921 1
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	0.0623	0.0785	0.9817	2.8200e-003	0.2236	1.7200e-003	0.2253	0.0593	1.5900e-003	0.0609		211.9231	211.9231	9.7800e-003		212.1286
<b>Total</b>	<b>2.0483</b>	<b>28.2059</b>	<b>23.9792</b>	<b>0.0975</b>	<b>2.4751</b>	<b>0.5145</b>	<b>2.9896</b>	<b>0.6759</b>	<b>0.4733</b>	<b>1.1492</b>		<b>9,316.433 3</b>	<b>9,316.433 3</b>	<b>0.0770</b>		<b>9,318.049 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	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	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>2.7849</b>	<b>2.5049</b>	<b>5.2899</b>	<b>1.5000</b>	<b>2.3045</b>	<b>3.8045</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	1.9860	28.1274	22.9975	0.0947	2.2516	0.5128	2.7643	0.6166	0.4717	1.0884		9,104.510 2	9,104.510 2	0.0672		9,105.921 1
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	0.0623	0.0785	0.9817	2.8200e-003	0.2236	1.7200e-003	0.2253	0.0593	1.5900e-003	0.0609		211.9231	211.9231	9.7800e-003		212.1286
<b>Total</b>	<b>2.0483</b>	<b>28.2059</b>	<b>23.9792</b>	<b>0.0975</b>	<b>2.4751</b>	<b>0.5145</b>	<b>2.9896</b>	<b>0.6759</b>	<b>0.4733</b>	<b>1.1492</b>		<b>9,316.433 3</b>	<b>9,316.433 3</b>	<b>0.0770</b>		<b>9,318.049 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	2.3985	23.5467	30.3988	0.0765	2.2134	0.4016	2.6150	0.6304	0.3694	0.9998		7,320.7556	7,320.7556	0.0519		7,321.8448
Worker	3.5602	4.4843	56.1058	0.1614	12.7760	0.0982	12.8743	3.3883	0.0911	3.4793		12,111.4052	12,111.4052	0.5592		12,123.1481
<b>Total</b>	<b>5.9586</b>	<b>28.0310</b>	<b>86.5046</b>	<b>0.2379</b>	<b>14.9894</b>	<b>0.4998</b>	<b>15.4892</b>	<b>4.0187</b>	<b>0.4605</b>	<b>4.4792</b>		<b>19,432.1608</b>	<b>19,432.1608</b>	<b>0.6111</b>		<b>19,444.9929</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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	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>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	2.3985	23.5467	30.3988	0.0765	2.2134	0.4016	2.6150	0.6304	0.3694	0.9998		7,320.7556	7,320.7556	0.0519		7,321.8448
Worker	3.5602	4.4843	56.1058	0.1614	12.7760	0.0982	12.8743	3.3883	0.0911	3.4793		12,111.4052	12,111.4052	0.5592		12,123.1481
<b>Total</b>	<b>5.9586</b>	<b>28.0310</b>	<b>86.5046</b>	<b>0.2379</b>	<b>14.9894</b>	<b>0.4998</b>	<b>15.4892</b>	<b>4.0187</b>	<b>0.4605</b>	<b>4.4792</b>		<b>19,432.1608</b>	<b>19,432.1608</b>	<b>0.6111</b>		<b>19,444.9929</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	2.2772	20.5555	29.3711	0.0764	2.2136	0.3677	2.5813	0.6305	0.3383	0.9688		7,155.9334	7,155.9334	0.0508		7,156.9991
Worker	3.3365	4.1573	52.2877	0.1614	12.7760	0.0976	12.8737	3.3883	0.0905	3.4788		11,621.2382	11,621.2382	0.5296		11,632.3595
<b>Total</b>	<b>5.6137</b>	<b>24.7128</b>	<b>81.6588</b>	<b>0.2378</b>	<b>14.9896</b>	<b>0.4653</b>	<b>15.4549</b>	<b>4.0188</b>	<b>0.4288</b>	<b>4.4476</b>		<b>18,777.1716</b>	<b>18,777.1716</b>	<b>0.5803</b>		<b>18,789.3586</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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	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>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	2.2772	20.5555	29.3711	0.0764	2.2136	0.3677	2.5813	0.6305	0.3383	0.9688		7,155.9334	7,155.9334	0.0508		7,156.9991
Worker	3.3365	4.1573	52.2877	0.1614	12.7760	0.0976	12.8737	3.3883	0.0905	3.4788		11,621.2382	11,621.2382	0.5296		11,632.3595
<b>Total</b>	<b>5.6137</b>	<b>24.7128</b>	<b>81.6588</b>	<b>0.2378</b>	<b>14.9896</b>	<b>0.4653</b>	<b>15.4549</b>	<b>4.0188</b>	<b>0.4288</b>	<b>4.4476</b>		<b>18,777.1716</b>	<b>18,777.1716</b>	<b>0.5803</b>		<b>18,789.3586</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	0.1493	1.9225	1.7365	7.2500e-003	0.1726	0.0390	0.2116	0.0473	0.0359	0.0831		682.0991	682.0991	5.1500e-003		682.2073
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	0.0438	0.0546	0.6862	2.1200e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		152.5097	152.5097	6.9500e-003		152.6556
<b>Total</b>	<b>0.1931</b>	<b>1.9770</b>	<b>2.4227</b>	<b>9.3700e-003</b>	<b>0.3403</b>	<b>0.0403</b>	<b>0.3805</b>	<b>0.0917</b>	<b>0.0370</b>	<b>0.1288</b>		<b>834.6088</b>	<b>834.6088</b>	<b>0.0121</b>		<b>834.8629</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	3.0964	31.0154	29.6099	0.0400		1.4899	1.4899		1.3865	1.3865	0.0000	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>0.9643</b>	<b>1.4899</b>	<b>2.4542</b>	<b>0.1460</b>	<b>1.3865</b>	<b>1.5325</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	0.1493	1.9225	1.7365	7.2500e-003	0.1726	0.0390	0.2116	0.0473	0.0359	0.0831		682.0991	682.0991	5.1500e-003		682.2073
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	0.0438	0.0546	0.6862	2.1200e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		152.5097	152.5097	6.9500e-003		152.6556
<b>Total</b>	<b>0.1931</b>	<b>1.9770</b>	<b>2.4227</b>	<b>9.3700e-003</b>	<b>0.3403</b>	<b>0.0403</b>	<b>0.3805</b>	<b>0.0917</b>	<b>0.0370</b>	<b>0.1288</b>		<b>834.6088</b>	<b>834.6088</b>	<b>0.0121</b>		<b>834.8629</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	2.4476	31.5239	28.4747	0.1189	2.8300	0.6390	3.4690	0.7751	0.5878	1.3629		11,184.8862	11,184.8862	0.0845		11,186.6603
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	0.0584	0.0727	0.9149	2.8200e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		203.3463	203.3463	9.2700e-003		203.5409
<b>Total</b>	<b>2.5059</b>	<b>31.5967</b>	<b>29.3897</b>	<b>0.1217</b>	<b>3.0536</b>	<b>0.6407</b>	<b>3.6942</b>	<b>0.8344</b>	<b>0.5894</b>	<b>1.4238</b>		<b>11,388.2325</b>	<b>11,388.2325</b>	<b>0.0938</b>		<b>11,390.2011</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	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810	0.0000	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>2.7822</b>	<b>2.2619</b>	<b>5.0442</b>	<b>1.5003</b>	<b>2.0810</b>	<b>3.5813</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	2.4476	31.5239	28.4747	0.1189	2.8300	0.6390	3.4690	0.7751	0.5878	1.3629		11,184.8862	11,184.8862	0.0845		11,186.6603
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	0.0584	0.0727	0.9149	2.8200e-003	0.2236	1.7100e-003	0.2253	0.0593	1.5800e-003	0.0609		203.3463	203.3463	9.2700e-003		203.5409
<b>Total</b>	<b>2.5059</b>	<b>31.5967</b>	<b>29.3897</b>	<b>0.1217</b>	<b>3.0536</b>	<b>0.6407</b>	<b>3.6942</b>	<b>0.8344</b>	<b>0.5894</b>	<b>1.4238</b>		<b>11,388.2325</b>	<b>11,388.2325</b>	<b>0.0938</b>		<b>11,390.2011</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	2.2772	20.5555	29.3711	0.0764	2.2136	0.3677	2.5813	0.6305	0.3383	0.9688		7,155.9334	7,155.9334	0.0508		7,156.9991
Worker	3.3365	4.1573	52.2877	0.1614	12.7760	0.0976	12.8737	3.3883	0.0905	3.4788		11,621.2382	11,621.2382	0.5296		11,632.3595
<b>Total</b>	<b>5.6137</b>	<b>24.7128</b>	<b>81.6588</b>	<b>0.2378</b>	<b>14.9896</b>	<b>0.4653</b>	<b>15.4549</b>	<b>4.0188</b>	<b>0.4288</b>	<b>4.4476</b>		<b>18,777.1716</b>	<b>18,777.1716</b>	<b>0.5803</b>		<b>18,789.3586</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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	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>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	2.2772	20.5555	29.3711	0.0764	2.2136	0.3677	2.5813	0.6305	0.3383	0.9688		7,155.9334	7,155.9334	0.0508		7,156.9991
Worker	3.3365	4.1573	52.2877	0.1614	12.7760	0.0976	12.8737	3.3883	0.0905	3.4788		11,621.2382	11,621.2382	0.5296		11,632.3595
<b>Total</b>	<b>5.6137</b>	<b>24.7128</b>	<b>81.6588</b>	<b>0.2378</b>	<b>14.9896</b>	<b>0.4653</b>	<b>15.4549</b>	<b>4.0188</b>	<b>0.4288</b>	<b>4.4476</b>		<b>18,777.1716</b>	<b>18,777.1716</b>	<b>0.5803</b>		<b>18,789.3586</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	2.2014	17.4549	28.5687	0.0764	2.2136	0.3352	2.5488	0.6305	0.3084	0.9389		7,152.7514	7,152.7514	0.0511		7,153.8249
Worker	3.1574	3.8878	49.1827	0.1617	12.7760	0.0977	12.8738	3.3883	0.0906	3.4789		11,442.4415	11,442.4415	0.5069		11,453.0868
<b>Total</b>	<b>5.3588</b>	<b>21.3427</b>	<b>77.7514</b>	<b>0.2381</b>	<b>14.9896</b>	<b>0.4329</b>	<b>15.4225</b>	<b>4.0188</b>	<b>0.3990</b>	<b>4.4178</b>		<b>18,595.1929</b>	<b>18,595.1929</b>	<b>0.5580</b>		<b>18,606.9117</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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	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>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	2.2014	17.4549	28.5687	0.0764	2.2136	0.3352	2.5488	0.6305	0.3084	0.9389		7,152.7514	7,152.7514	0.0511		7,153.8249
Worker	3.1574	3.8878	49.1827	0.1617	12.7760	0.0977	12.8738	3.3883	0.0906	3.4789		11,442.4415	11,442.4415	0.5069		11,453.0868
<b>Total</b>	<b>5.3588</b>	<b>21.3427</b>	<b>77.7514</b>	<b>0.2381</b>	<b>14.9896</b>	<b>0.4329</b>	<b>15.4225</b>	<b>4.0188</b>	<b>0.3990</b>	<b>4.4178</b>		<b>18,595.1929</b>	<b>18,595.1929</b>	<b>0.5580</b>		<b>18,606.9117</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	2.1568	15.8452	27.9077	0.0763	2.2136	0.3315	2.5451	0.6305	0.3050	0.9355		7,146.3541	7,146.3541	0.0522		7,147.4509
Worker	2.9898	3.6473	46.3070	0.1617	12.7760	0.0977	12.8737	3.3883	0.0906	3.4788		11,253.7458	11,253.7458	0.4854		11,263.9388
<b>Total</b>	<b>5.1466</b>	<b>19.4926</b>	<b>74.2147</b>	<b>0.2380</b>	<b>14.9897</b>	<b>0.4291</b>	<b>15.4188</b>	<b>4.0188</b>	<b>0.3956</b>	<b>4.4143</b>		<b>18,400.1000</b>	<b>18,400.1000</b>	<b>0.5376</b>		<b>18,411.3897</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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	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>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	2.1568	15.8452	27.9077	0.0763	2.2136	0.3315	2.5451	0.6305	0.3050	0.9355		7,146.3541	7,146.3541	0.0522		7,147.4509
Worker	2.9898	3.6473	46.3070	0.1617	12.7760	0.0977	12.8737	3.3883	0.0906	3.4788		11,253.7458	11,253.7458	0.4854		11,263.9388
<b>Total</b>	<b>5.1466</b>	<b>19.4926</b>	<b>74.2147</b>	<b>0.2380</b>	<b>14.9897</b>	<b>0.4291</b>	<b>15.4188</b>	<b>4.0188</b>	<b>0.3956</b>	<b>4.4143</b>		<b>18,400.1000</b>	<b>18,400.1000</b>	<b>0.5376</b>		<b>18,411.3897</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	54.7275					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>54.9464</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	0.6326	0.7789	9.8538	0.0324	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,292.4927	2,292.4927	0.1016		2,294.6254
<b>Total</b>	<b>0.6326</b>	<b>0.7789</b>	<b>9.8538</b>	<b>0.0324</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>2,292.4927</b>	<b>2,292.4927</b>	<b>0.1016</b>		<b>2,294.6254</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	54.7275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
<b>Total</b>	<b>54.9464</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>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	0.6326	0.7789	9.8538	0.0324	2.5597	0.0196	2.5793	0.6788	0.0182	0.6970		2,292.4927	2,292.4927	0.1016		2,294.6254
<b>Total</b>	<b>0.6326</b>	<b>0.7789</b>	<b>9.8538</b>	<b>0.0324</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>2,292.4927</b>	<b>2,292.4927</b>	<b>0.1016</b>		<b>2,294.6254</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	54.7275					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>54.9320</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	0.5990	0.7307	9.2776	0.0324	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,254.6875	2,254.6875	0.0973		2,256.7297
<b>Total</b>	<b>0.5990</b>	<b>0.7307</b>	<b>9.2776</b>	<b>0.0324</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>2,254.6875</b>	<b>2,254.6875</b>	<b>0.0973</b>		<b>2,256.7297</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	54.7275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329
<b>Total</b>	<b>54.9320</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>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	0.5990	0.7307	9.2776	0.0324	2.5597	0.0196	2.5792	0.6788	0.0182	0.6970		2,254.6875	2,254.6875	0.0973		2,256.7297
<b>Total</b>	<b>0.5990</b>	<b>0.7307</b>	<b>9.2776</b>	<b>0.0324</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>2,254.6875</b>	<b>2,254.6875</b>	<b>0.0973</b>		<b>2,256.7297</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	0.0392	0.0479	0.6077	2.1200e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		147.6870	147.6870	6.3700e-003		147.8207
<b>Total</b>	<b>0.0392</b>	<b>0.0479</b>	<b>0.6077</b>	<b>2.1200e-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>147.6870</b>	<b>147.6870</b>	<b>6.3700e-003</b>		<b>147.8207</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	1.0815	10.9108	14.2815	0.0223		0.5577	0.5577		0.5131	0.5131	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>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>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	0.0392	0.0479	0.6077	2.1200e-003	0.1677	1.2800e-003	0.1690	0.0445	1.1900e-003	0.0457		147.6870	147.6870	6.3700e-003		147.8207
<b>Total</b>	<b>0.0392</b>	<b>0.0479</b>	<b>0.6077</b>	<b>2.1200e-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>147.6870</b>	<b>147.6870</b>	<b>6.3700e-003</b>		<b>147.8207</b>

### 4.0 Operational Detail - Mobile

### 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	48.6316	90.2790	421.2011	1.2696	82.5116	1.6781	84.1897	22.0501	1.5484	23.5984		95,917.50 72	95,917.50 72	3.1975		95,984.65 53
Unmitigated	53.9481	124.4165	559.6226	1.8875	124.5608	2.4408	127.0016	33.2871	2.2518	35.5389		142,584.2 986	142,584.2 986	4.6259		142,681.4 422

### 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	1,117.20	1,360.40	1153.30	3,953,986	2,737,393
Condo/Townhouse High Rise	3,239.88	3,945.16	3344.57	11,466,561	7,938,439
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)	5,820.08	0.00	0.00	12,837,976	8,280,614
High Turnover (Sit Down Restaurant)	966.34	1,203.61	1001.98	1,370,092	903,191
Hotel	1,552.30	1,556.10	1130.50	3,561,565	2,342,143
Library	3,357.03	4,068.47	2227.83	8,324,778	5,372,919
Regional Shopping Center	3,076.18	1,519.09	767.30	5,458,791	3,592,075
<b>Total</b>	<b>19,239.96</b>	<b>13,763.78</b>	<b>9,736.43</b>	<b>47,293,012</b>	<b>31,376,223</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	0.6704	5.9494	4.0581	0.0366		0.4632	0.4632		0.4632	0.4632		7,312.9259	7,312.9259	0.1402	0.1341	7,357.4312
NaturalGas Unmitigated	0.7984	7.0863	4.8354	0.0436		0.5516	0.5516		0.5516	0.5516		8,709.9689	8,709.9689	0.1669	0.1597	8,762.9764

### 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	21747.2	0.2345	2.0042	0.8528	0.0128		0.1620	0.1620		0.1620	0.1620		2,558.4924	2,558.4924	0.0490	0.0469	2,574.0629
Condo/Townhouse High Rise	7499.03	0.0809	0.6911	0.2941	4.4100e-003		0.0559	0.0559		0.0559	0.0559		882.2387	882.2387	0.0169	0.0162	887.6079
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)	16380.1	0.1767	1.6059	1.3490	9.6400e-003		0.1221	0.1221		0.1221	0.1221		1,927.0726	1,927.0726	0.0369	0.0353	1,938.8005
High Turnover (Sit Down Restaurant)	4851.72	0.0523	0.4757	0.3996	2.8500e-003		0.0362	0.0362		0.0362	0.0362		570.7900	570.7900	0.0109	0.0105	574.2637
Hotel	18911	0.2039	1.8540	1.5574	0.0111		0.1409	0.1409		0.1409	0.1409		2,224.8244	2,224.8244	0.0426	0.0408	2,238.3643
Library	4504.09	0.0486	0.4416	0.3709	2.6500e-003		0.0336	0.0336		0.0336	0.0336		529.8933	529.8933	0.0102	9.7100e-003	533.1182
Regional Shopping Center	141.589	1.5300e-003	0.0139	0.0117	8.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		16.6575	16.6575	3.2000e-004	3.1000e-004	16.7589
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>0.7984</b>	<b>7.0863</b>	<b>4.8354</b>	<b>0.0435</b>		<b>0.5516</b>	<b>0.5516</b>		<b>0.5516</b>	<b>0.5516</b>		<b>8,709.9689</b>	<b>8,709.9689</b>	<b>0.1670</b>	<b>0.1597</b>	<b>8,762.9764</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	6.30645	0.0680	0.5812	0.2473	3.7100e-003		0.0470	0.0470		0.0470	0.0470		741.9354	741.9354	0.0142	0.0136	746.4507
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)	13.221	0.1426	1.2962	1.0888	7.7800e-003		0.0985	0.0985		0.0985	0.0985		1,555.4103	1,555.4103	0.0298	0.0285	1,564.8763
High Turnover (Sit Down Restaurant)	4.66336	0.0503	0.4572	0.3840	2.7400e-003		0.0348	0.0348		0.0348	0.0348		548.6306	548.6306	0.0105	0.0101	551.9695
Hotel	15.7425	0.1698	1.5434	1.2964	9.2600e-003		0.1173	0.1173		0.1173	0.1173		1,852.0640	1,852.0640	0.0355	0.0340	1,863.3354
Library	3.81639	0.0412	0.3742	0.3143	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.9867	448.9867	8.6100e-003	8.2300e-003	451.7192
Regional Shopping Center	0.121433	1.3100e-003	0.0119	0.0100	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004		14.2863	14.2863	2.7000e-004	2.6000e-004	14.3732
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
Condo/Townhouse High Rise	18.2887	0.1972	1.6854	0.7172	0.0108		0.1363	0.1363		0.1363	0.1363		2,151.6126	2,151.6126	0.0412	0.0395	2,164.7070
<b>Total</b>		<b>0.6704</b>	<b>5.9494</b>	<b>4.0581</b>	<b>0.0366</b>		<b>0.4632</b>	<b>0.4632</b>		<b>0.4632</b>	<b>0.4632</b>		<b>7,312.9259</b>	<b>7,312.9259</b>	<b>0.1402</b>	<b>0.1341</b>	<b>7,357.4312</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	54.7687	0.6363	54.1519	2.6800e-003		0.2946	0.2946		0.2946	0.2946	0.0000	93.9478	93.9478	0.0826	0.0000	95.6829
Unmitigated	62.4034	0.7116	61.5781	3.2500e-003		0.3381	0.3381		0.3381	0.3381	0.0000	110.5915	110.5915	0.1087	0.0000	112.8745

### 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	10.6027					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	49.9102					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	1.8905	0.7116	61.5781	3.2500e-003		0.3381	0.3381		0.3381	0.3381		110.5915	110.5915	0.1087		112.8745
<b>Total</b>	<b>62.4034</b>	<b>0.7116</b>	<b>61.5781</b>	<b>3.2500e-003</b>		<b>0.3381</b>	<b>0.3381</b>		<b>0.3381</b>	<b>0.3381</b>	<b>0.0000</b>	<b>110.5915</b>	<b>110.5915</b>	<b>0.1087</b>	<b>0.0000</b>	<b>112.8745</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	3.4149					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	49.9102					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	1.4436	0.6363	54.1519	2.6800e-003		0.2946	0.2946		0.2946	0.2946		93.9478	93.9478	0.0826		95.6829
<b>Total</b>	<b>54.7687</b>	<b>0.6363</b>	<b>54.1519</b>	<b>2.6800e-003</b>		<b>0.2946</b>	<b>0.2946</b>		<b>0.2946</b>	<b>0.2946</b>	<b>0.0000</b>	<b>93.9478</b>	<b>93.9478</b>	<b>0.0826</b>	<b>0.0000</b>	<b>95.6829</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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**Reduced Density Alternative  
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)	547.00	1000sqft	3.78	547,003.00	0
Library	87.40	1000sqft	1.73	87,400.00	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)	7.60	1000sqft	0.00	7,600.00	0
Hotel	190.00	Room	0.00	275,880.00	0
Condo/Townhouse High Rise	190.00	Dwelling Unit	0.90	223,250.00	543
Condo/Townhouse High Rise	551.00	Dwelling Unit	6.29	617,500.00	1576
Regional Shopping Center	30.40	1000sqft	0.00	30,400.00	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. Reduced by 5%.

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. Reduced by 5% for Alt.

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
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tblVehicleEF	LDA	0.10	0.08
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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
tblVehicleEF	LDA	0.74	0.68
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
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
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
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
tblVehicleEF	OBUS	4.79	3.30
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
tblVehicleEF	OBUS	5.7800e-004	4.9700e-004
tblVehicleEF	OBUS	7.4040e-003	6.8190e-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	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
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.50	0.60
tblVehicleEF	OBUS	7.8300e-004	7.8100e-004
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
tblVehicleEF	OBUS	0.97	0.85

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	37.05	0.00
tblWoodstoves	NumberNoncatalytic	37.05	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

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**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	36.8328	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	45.0888	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	45.9407	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	63.0701	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	62.6044	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>288.1814</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	62.4034	0.7116	61.5781	3.2500e-003		0.3381	0.3381		0.3381	0.3381	0.0000	110.5915	110.5915	0.1087	0.0000	112.8745
Energy	0.7984	7.0863	4.8354	0.0436		0.5516	0.5516		0.5516	0.5516		8,709.9689	8,709.9689	0.1669	0.1597	8,762.9764
Mobile	55.6061	130.6070	560.5235	1.7930	124.5608	2.4492	127.0100	33.2871	2.2594	35.5465		135,888.6828	135,888.6828	4.6334		135,985.9836
<b>Total</b>	<b>118.8079</b>	<b>138.4049</b>	<b>626.9370</b>	<b>1.8398</b>	<b>124.5608</b>	<b>3.3389</b>	<b>127.8997</b>	<b>33.2871</b>	<b>3.1492</b>	<b>36.4363</b>	<b>0.0000</b>	<b>144,709.2432</b>	<b>144,709.2432</b>	<b>4.9090</b>	<b>0.1597</b>	<b>144,861.8344</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	54.7687	0.6363	54.1519	2.6800e-003		0.2946	0.2946		0.2946	0.2946	0.0000	93.9478	93.9478	0.0826	0.0000	95.6829
Energy	0.6704	5.9494	4.0581	0.0366		0.4632	0.4632		0.4632	0.4632		7,312.9259	7,312.9259	0.1402	0.1341	7,357.4312
Mobile	50.4777	94.4557	436.9831	1.2065	82.5116	1.6864	84.1981	22.0501	1.5561	23.6061		91,417.4587	91,417.4587	3.2050		91,484.7640
<b>Total</b>	<b>105.9167</b>	<b>101.0414</b>	<b>495.1931</b>	<b>1.2457</b>	<b>82.5116</b>	<b>2.4442</b>	<b>84.9558</b>	<b>22.0501</b>	<b>2.3138</b>	<b>24.3639</b>	<b>0.0000</b>	<b>98,824.3324</b>	<b>98,824.3324</b>	<b>3.4278</b>	<b>0.1341</b>	<b>98,937.8781</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	10.85	27.00	21.01	32.29	33.76	26.80	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: 452,081; Residential Outdoor: 150,694; Non-Residential Indoor: 142,500; Non-Residential Outdoor: 47,500 (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**

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	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365	0.0000	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>2.1427</b>	<b>2.2921</b>	<b>4.4348</b>	<b>0.3244</b>	<b>2.1365</b>	<b>2.4610</b>	<b>0.0000</b>	<b>4,089.284 1</b>	<b>4,089.284 1</b>	<b>1.1121</b>		<b>4,112.637 4</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		1,631.046 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>

**3.3 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	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>2.7493</b>	<b>3.5842</b>	<b>6.3335</b>	<b>1.4953</b>	<b>3.2975</b>	<b>4.7928</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	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	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>2.7493</b>	<b>3.3172</b>	<b>6.0664</b>	<b>1.4953</b>	<b>3.0518</b>	<b>4.5471</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	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>

#### 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	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>

#### 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	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>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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	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>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	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	0.0000					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>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	23.2359					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>23.5682</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	23.2359					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>23.5682</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>

#### 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	32.9825					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>33.2811</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	32.9825					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	0.0000	281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>33.2811</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>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	32.9825					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>33.2489</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	32.9825					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	0.0000	281.4481	281.4481	0.0238		281.9473
<b>Total</b>	<b>33.2489</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>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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635	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>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>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	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.973 1	2,208.973 1	0.6989		2,223.649 9
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>0.0000</b>	<b>2,208.973 1</b>	<b>2,208.973 1</b>	<b>0.6989</b>		<b>2,223.649 9</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	3.3224	33.9413	30.8050	0.0399		1.6448	1.6448		1.5316	1.5316	0.0000	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>0.5557</b>	<b>1.6448</b>	<b>2.2005</b>	<b>0.0841</b>	<b>1.5316</b>	<b>1.6157</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	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	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>2.7849</b>	<b>2.5049</b>	<b>5.2899</b>	<b>1.5000</b>	<b>2.3045</b>	<b>3.8045</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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	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>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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	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>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	3.0964	31.0154	29.6099	0.0400		1.4899	1.4899		1.3865	1.3865	0.0000	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>0.9643</b>	<b>1.4899</b>	<b>2.4542</b>	<b>0.1460</b>	<b>1.3865</b>	<b>1.5325</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	4.5501	49.3839	38.4257	0.0617		2.2619	2.2619		2.0810	2.0810	0.0000	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>2.7822</b>	<b>2.2619</b>	<b>5.0442</b>	<b>1.5003</b>	<b>2.0810</b>	<b>3.5813</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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	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>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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	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>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	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	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>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	54.7275					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>54.9464</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	54.7275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
<b>Total</b>	<b>54.9464</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>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	54.7275					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>54.9320</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	54.7275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329
<b>Total</b>	<b>54.9320</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>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	1.0815	10.9108	14.2815	0.0223		0.5577	0.5577		0.5131	0.5131	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>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>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	50.4777	94.4557	436.9831	1.2065	82.5116	1.6864	84.1981	22.0501	1.5561	23.6061		91,417.45 87	91,417.45 87	3.2050		91,484.76 40
Unmitigated	55.6061	130.6070	560.5235	1.7930	124.5608	2.4492	127.0100	33.2871	2.2594	35.5465		135,888.6 828	135,888.6 828	4.6334		135,985.9 836

### 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	1,117.20	1,360.40	1153.30	3,953,986	2,737,393
Condo/Townhouse High Rise	3,239.88	3,945.16	3344.57	11,466,561	7,938,439
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)	5,820.08	0.00	0.00	12,837,976	8,280,614
High Turnover (Sit Down Restaurant)	966.34	1,203.61	1001.98	1,370,092	903,191
Hotel	1,552.30	1,556.10	1130.50	3,561,565	2,342,143
Library	3,357.03	4,068.47	2227.83	8,324,778	5,372,919
Regional Shopping Center	3,076.18	1,519.09	767.30	5,458,791	3,592,075
<b>Total</b>	<b>19,239.96</b>	<b>13,763.78</b>	<b>9,736.43</b>	<b>47,293,012</b>	<b>31,376,223</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	0.6704	5.9494	4.0581	0.0366		0.4632	0.4632		0.4632	0.4632		7,312.9259	7,312.9259	0.1402	0.1341	7,357.4312
NaturalGas Unmitigated	0.7984	7.0863	4.8354	0.0436		0.5516	0.5516		0.5516	0.5516		8,709.9689	8,709.9689	0.1669	0.1597	8,762.9764

### 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	21747.2	0.2345	2.0042	0.8528	0.0128		0.1620	0.1620		0.1620	0.1620		2,558.4924	2,558.4924	0.0490	0.0469	2,574.0629
Condo/Townhouse High Rise	7499.03	0.0809	0.6911	0.2941	4.4100e-003		0.0559	0.0559		0.0559	0.0559		882.2387	882.2387	0.0169	0.0162	887.6079
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)	16380.1	0.1767	1.6059	1.3490	9.6400e-003		0.1221	0.1221		0.1221	0.1221		1,927.0726	1,927.0726	0.0369	0.0353	1,938.8005
High Turnover (Sit Down Restaurant)	4851.72	0.0523	0.4757	0.3996	2.8500e-003		0.0362	0.0362		0.0362	0.0362		570.7900	570.7900	0.0109	0.0105	574.2637
Hotel	18911	0.2039	1.8540	1.5574	0.0111		0.1409	0.1409		0.1409	0.1409		2,224.8244	2,224.8244	0.0426	0.0408	2,238.3643
Library	4504.09	0.0486	0.4416	0.3709	2.6500e-003		0.0336	0.0336		0.0336	0.0336		529.8933	529.8933	0.0102	9.7100e-003	533.1182
Regional Shopping Center	141.589	1.5300e-003	0.0139	0.0117	8.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		16.6575	16.6575	3.2000e-004	3.1000e-004	16.7589
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>0.7984</b>	<b>7.0863</b>	<b>4.8354</b>	<b>0.0435</b>		<b>0.5516</b>	<b>0.5516</b>		<b>0.5516</b>	<b>0.5516</b>		<b>8,709.9689</b>	<b>8,709.9689</b>	<b>0.1670</b>	<b>0.1597</b>	<b>8,762.9764</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	18.2887	0.1972	1.6854	0.7172	0.0108		0.1363	0.1363		0.1363	0.1363		2,151.6126	2,151.6126	0.0412	0.0395	2,164.7070
Condo/Townhouse High Rise	6.30645	0.0680	0.5812	0.2473	3.7100e-003		0.0470	0.0470		0.0470	0.0470		741.9354	741.9354	0.0142	0.0136	746.4507
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)	13.221	0.1426	1.2962	1.0888	7.7800e-003		0.0985	0.0985		0.0985	0.0985		1,555.4103	1,555.4103	0.0298	0.0285	1,564.8763
High Turnover (Sit Down Restaurant)	4.66336	0.0503	0.4572	0.3840	2.7400e-003		0.0348	0.0348		0.0348	0.0348		548.6306	548.6306	0.0105	0.0101	551.9695
Hotel	15.7425	0.1698	1.5434	1.2964	9.2600e-003		0.1173	0.1173		0.1173	0.1173		1,852.0640	1,852.0640	0.0355	0.0340	1,863.3354
Library	3.81639	0.0412	0.3742	0.3143	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.9867	448.9867	8.6100e-003	8.2300e-003	451.7192
Regional Shopping Center	0.121433	1.3100e-003	0.0119	0.0100	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004		14.2863	14.2863	2.7000e-004	2.6000e-004	14.3732
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>0.6704</b>	<b>5.9494</b>	<b>4.0581</b>	<b>0.0366</b>		<b>0.4632</b>	<b>0.4632</b>		<b>0.4632</b>	<b>0.4632</b>		<b>7,312.9259</b>	<b>7,312.9259</b>	<b>0.1402</b>	<b>0.1341</b>	<b>7,357.4312</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	54.7687	0.6363	54.1519	2.6800e-003		0.2946	0.2946		0.2946	0.2946	0.0000	93.9478	93.9478	0.0826	0.0000	95.6829
Unmitigated	62.4034	0.7116	61.5781	3.2500e-003		0.3381	0.3381		0.3381	0.3381	0.0000	110.5915	110.5915	0.1087	0.0000	112.8745

### 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	10.6027					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	49.9102					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	1.8905	0.7116	61.5781	3.2500e-003		0.3381	0.3381		0.3381	0.3381		110.5915	110.5915	0.1087		112.8745
<b>Total</b>	<b>62.4034</b>	<b>0.7116</b>	<b>61.5781</b>	<b>3.2500e-003</b>		<b>0.3381</b>	<b>0.3381</b>		<b>0.3381</b>	<b>0.3381</b>	<b>0.0000</b>	<b>110.5915</b>	<b>110.5915</b>	<b>0.1087</b>	<b>0.0000</b>	<b>112.8745</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	3.4149					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	49.9102					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	1.4436	0.6363	54.1519	2.6800e-003		0.2946	0.2946		0.2946	0.2946		93.9478	93.9478	0.0826		95.6829
<b>Total</b>	<b>54.7687</b>	<b>0.6363</b>	<b>54.1519</b>	<b>2.6800e-003</b>		<b>0.2946</b>	<b>0.2946</b>		<b>0.2946</b>	<b>0.2946</b>	<b>0.0000</b>	<b>93.9478</b>	<b>93.9478</b>	<b>0.0826</b>	<b>0.0000</b>	<b>95.6829</b>

## 7.0 Water Detail

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### 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

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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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