

**Avila Ranch Development Project Mitigated Project Alternative  
San Luis Obispo County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,590.00	Space	14.31	636,000.00	0
Other Asphalt Surfaces	21.71	Acre	21.71	945,687.60	0
City Park	19.08	Acre	19.08	831,124.80	0
Regional Shopping Center	15.00	1000sqft	1.86	15,000.00	0
Apartments Mid Rise	125.00	Dwelling Unit	4.40	125,000.00	286
Condo/Townhouse	197.00	Dwelling Unit	10.80	197,000.00	451
Single Family Housing	101.00	Dwelling Unit	12.80	181,800.00	232
Single Family Housing	297.00	Dwelling Unit	27.30	534,600.00	680

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.2	<b>Precipitation Freq (Days)</b>	44
<b>Climate Zone</b>	4			<b>Operational Year</b>	2030
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - Taken from MPA description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the MPA table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
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tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00

tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	54.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 2

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	3,100.00	665.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	120.00	60.00
tblConstructionPhase	NumDays	220.00	46.00
tblConstructionPhase	NumDays	310.00	125.00
tblConstructionPhase	NumDays	310.00	155.00
tblConstructionPhase	NumDays	220.00	15.00
tblConstructionPhase	NumDays	220.00	55.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	310.00	30.00
tblConstructionPhase	NumDays	3,100.00	100.00
tblConstructionPhase	NumDays	220.00	15.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	35.00

tblConstructionPhase	NumDays	3,100.00	340.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	40.00
tblConstructionPhase	NumDays	310.00	135.00
tblConstructionPhase	NumDays	3,100.00	625.00
tblConstructionPhase	NumDays	220.00	35.00
tblConstructionPhase	NumDays	220.00	30.00
tblConstructionPhase	NumDays	120.00	5.00
tblConstructionPhase	NumDays	310.00	15.00
tblConstructionPhase	NumDays	3,100.00	150.00
tblConstructionPhase	NumDays	220.00	18.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	PhaseStartDate	9/29/2029	9/30/2029
tblGrading	AcresOfGrading	387.50	0.00
tblLandUse	LotAcreage	0.34	1.86
tblLandUse	LotAcreage	3.29	4.40
tblLandUse	LotAcreage	12.31	10.80
tblLandUse	LotAcreage	32.79	12.80
tblLandUse	LotAcreage	96.43	27.30
tblLandUse	Population	358.00	286.00
tblLandUse	Population	563.00	451.00
tblLandUse	Population	289.00	232.00
tblLandUse	Population	849.00	680.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSequestration	NumberOfNewTrees	0.00	525.00
tblSolidWaste	SolidWasteGenerationRate	57.50	121.13
tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	90.62	190.91
tblSolidWaste	SolidWasteGenerationRate	15.75	6.84
tblSolidWaste	SolidWasteGenerationRate	373.92	711.82
tblTripsAndVMT	VendorTripNumber	0.00	475.00
tblTripsAndVMT	VendorTripNumber	475.00	0.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	30.00	18.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	1,393.00
tblTripsAndVMT	WorkerTripNumber	35.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,393.00	279.00
tblWater	IndoorWaterUseRate	8,144,253.20	4,472,304.06
tblWater	IndoorWaterUseRate	12,835,343.05	7,048,351.14
tblWater	IndoorWaterUseRate	1,111,087.82	909,125.22
tblWater	IndoorWaterUseRate	25,931,302.20	17,829,611.92
tblWater	OutdoorWaterUseRate	5,134,420.50	2,859,341.94
tblWater	OutdoorWaterUseRate	22,733,464.15	12,434,472.00
tblWater	OutdoorWaterUseRate	8,091,846.70	4,506,322.86
tblWater	OutdoorWaterUseRate	680,989.31	557,205.78
tblWater	OutdoorWaterUseRate	16,347,994.86	11,399,260.08
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00

tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	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					
2019	8.4258	81.0550	62.7219	0.0877	18.2442	3.8357	22.0799	9.9779	3.5289	13.5067	0.0000	8,641.8019	8,641.8019	2.6936	0.0000	8,698.3666
2020	12.9107	79.5673	138.0535	0.2906	34.0005	3.0020	36.9426	14.2006	2.7618	16.9305	0.0000	23,852.2614	23,852.2614	2.6377	0.0000	23,907.6531
2021	2.7864	19.8969	28.2473	0.0612	2.7582	1.0668	3.8251	0.7315	1.0085	1.7400	0.0000	5,032.4291	5,032.4291	0.7296	0.0000	5,047.7506
2022	2.5381	17.9049	27.3723	0.0612	2.7582	0.9053	3.6635	0.7315	0.8564	1.5879	0.0000	4,998.2888	4,998.2888	0.7199	0.0000	5,013.4058
2023	745.3390	35.0018	97.0922	0.2632	18.2442	1.5556	19.6361	9.9779	1.4311	11.2584	0.0000	20,696.4419	20,696.4419	1.9422	0.0000	20,737.2276
2024	745.2947	32.4240	93.7608	0.2632	18.2442	1.4247	19.4952	9.9779	1.3107	11.1288	0.0000	20,553.6347	20,553.6347	1.9415	0.0000	20,594.4054
2025	745.2578	31.0940	91.1410	0.2631	18.2442	1.1880	19.2747	9.9779	1.0930	10.9259	0.0000	20,428.3873	20,428.3873	1.9407	0.0000	20,469.1422
2026	7.6006	30.7221	88.7944	0.2631	15.9348	1.1880	16.8249	4.2701	1.0930	5.1006	0.0000	20,319.6957	20,319.6957	1.9405	0.0000	20,360.4468
2027	7.2715	30.3913	85.4501	0.2631	15.9350	0.8911	16.8261	4.2702	0.8314	5.1016	0.0000	20,224.9725	20,224.9725	1.0402	0.0000	20,246.8170
2028	426.0989	30.0935	82.3371	0.2630	15.9352	0.8914	16.8266	4.2703	0.8317	5.1020	0.0000	20,143.5469	20,143.5469	1.0300	0.0000	20,165.1762
2029	827.8999	29.8919	80.8762	0.2630	18.2442	1.1880	19.2747	9.9779	1.0930	10.9259	0.0000	20,073.8049	20,073.8049	1.9401	0.0000	20,114.5464
<b>Total</b>	<b>3,531.4235</b>	<b>418.0426</b>	<b>875.8467</b>	<b>2.3422</b>	<b>178.5429</b>	<b>17.1364</b>	<b>194.6692</b>	<b>78.3637</b>	<b>15.8393</b>	<b>93.3084</b>	<b>0.0000</b>	<b>184,965.2649</b>	<b>184,965.2649</b>	<b>18.5559</b>	<b>0.0000</b>	<b>185,354.9377</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	94.0633	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3178	107.3178	0.1028	0.0000	109.4773
Energy	0.5594	4.7808	2.0385	0.0305		0.3865	0.3865		0.3865	0.3865		6,102.3106	6,102.3106	0.1170	0.1119	6,139.4483
Mobile	16.1134	30.1763	135.8730	0.5231	36.5186	0.6269	37.1455	9.7654	0.5786	10.3440		38,061.8109	38,061.8109	1.0265		38,083.3677
<b>Total</b>	<b>110.7361</b>	<b>35.6416</b>	<b>197.3226</b>	<b>0.5568</b>	<b>36.5186</b>	<b>1.3434</b>	<b>37.8620</b>	<b>9.7654</b>	<b>1.2951</b>	<b>11.0605</b>	<b>0.0000</b>	<b>44,271.4394</b>	<b>44,271.4394</b>	<b>1.2463</b>	<b>0.1119</b>	<b>44,332.2933</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	74.4981	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3178	107.3178	0.1028	0.0000	109.4773
Energy	0.4427	3.7836	1.6132	0.0242		0.3059	0.3059		0.3059	0.3059		4,829.5400	4,829.5400	0.0926	0.0885	4,858.9318
Mobile	15.2553	26.2431	119.5671	0.4373	30.3141	0.5330	30.8471	8.1063	0.4919	8.5982		31,817.9122	31,817.9122	0.8696		31,836.1742
<b>Total</b>	<b>90.1961</b>	<b>30.7111</b>	<b>180.5914</b>	<b>0.4646</b>	<b>30.3141</b>	<b>1.1688</b>	<b>31.4829</b>	<b>8.1063</b>	<b>1.1278</b>	<b>9.2341</b>	<b>0.0000</b>	<b>36,754.7700</b>	<b>36,754.7700</b>	<b>1.0650</b>	<b>0.0885</b>	<b>36,804.5833</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	18.55	13.83	8.48	16.55	16.99	12.99	16.85	16.99	12.91	16.51	0.00	16.98	16.98	14.55	20.86	16.98

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Offsite Construction – Site Preparation	Site Preparation	1/1/2019	3/25/2019	5	60	
2	Offsite Construction – Grading	Grading	3/26/2019	10/28/2019	5	155	
3	Offsite Construction – Paving	Paving	10/29/2019	12/31/2019	5	46	
4	Phase I – Site Preparation	Site Preparation	1/1/2020	1/21/2020	5	15	
5	Phase I, III, IV – Grading	Grading	1/22/2020	7/14/2020	5	125	
6	Phase I – Building Construction	Building Construction	7/15/2020	1/31/2023	5	665	
7	Phase I – Paving	Paving	2/1/2023	2/21/2023	5	15	
8	Phase I – Architectural Coating	Architectural Coating	2/22/2023	5/9/2023	5	55	
9	Phase II – Site Preparation	Site Preparation	5/10/2023	5/30/2023	5	15	
10	Phase II – Grading	Grading	5/31/2023	7/11/2023	5	30	
11	Phase II – Building Construction	Building Construction	7/12/2023	11/28/2023	5	100	
12	Phase II – Paving	Paving	11/29/2023	12/19/2023	5	15	
13	Phase II – Architectural Coating	Architectural Coating	12/20/2023	1/16/2024	5	20	
14	Phase III – Site Preparation	Site Preparation	1/17/2024	2/13/2024	5	20	
15	Phase III – Grading	Grading	2/14/2024	4/2/2024	5	35	
16	Phase III – Building Construction	Building Construction	4/3/2024	7/22/2025	5	340	
17	Phase III – Architectural Coating	Architectural Coating	7/23/2025	8/19/2025	5	20	
18	Phase III – Paving	Paving	8/20/2025	9/16/2025	5	20	
19	Phases IV & V – Site Preparation	Site Preparation	9/17/2025	11/11/2025	5	40	

20	Phases IV & V – Grading	Grading	11/12/2025	5/19/2026	5	135
21	Phases IV & V – Building Construction	Building Construction	5/20/2026	10/10/2028	5	625
22	Phases IV & V – Architectural Coating	Architectural Coating	10/11/2028	11/28/2028	5	35
23	Phases IV & V – Paving	Paving	11/29/2028	1/9/2029	5	30
24	Phase VI – Site Preparation	Site Preparation	1/10/2029	1/16/2029	5	5
25	Phase VI – Grading	Grading	1/17/2029	2/6/2029	5	15
26	Phase VI – Building Construction	Building Construction	2/7/2029	9/4/2029	5	150
27	Phase VI – Architectural Coating	Architectural Coating	9/5/2029	9/28/2029	5	18
28	Phase VI – Paving	Paving	9/30/2029	10/5/2029	5	5

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

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

**Acres of Paving: 0**

**Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase I – Building Construction	Air Compressors	1	6.00	78	0.48
Offsite Construction – Site Preparation	Excavators	3	8.00	162	0.38
Offsite Construction – Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Offsite Construction – Paving	Excavators	2	8.00	162	0.38
Phase I – Site Preparation	Cranes	1	7.00	226	0.29
Phase I – Site Preparation	Forklifts	3	8.00	89	0.20
Phase I – Site Preparation	Generator Sets	1	8.00	84	0.74
Phase I, III, IV – Grading	Pavers	2	8.00	125	0.42
Phase I, III, IV – Grading	Rollers	2	8.00	80	0.38

Offsite Construction – Site Preparation	Rubber Tired Dozers	2	8.00	255	0.40
Offsite Construction – Paving	Rubber Tired Dozers	1	8.00	255	0.40
Phase I – Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Offsite Construction – Paving	Graders	1	8.00	174	0.41
Offsite Construction – Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Offsite Construction – Grading	Rubber Tired Dozers	3	8.00	255	0.40
Offsite Construction – Paving	Scrapers	2	8.00	361	0.48
Phase I – Site Preparation	Welders	1	8.00	46	0.45
Phase II – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase III – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phases IV & V – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase VI – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase I – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase II – Building Construction	Cranes	1	7.00	226	0.29
Phase III – Building Construction	Cranes	1	7.00	226	0.29
Phases IV & V – Building Construction	Cranes	1	7.00	226	0.29
Phase VI – Building Construction	Cranes	1	7.00	226	0.29
Phase I – Building Construction	Cranes	1	7.00	226	0.29
Phase II – Grading	Excavators	2	8.00	162	0.38
Phase III – Grading	Excavators	2	8.00	162	0.38
Offsite Construction – Grading	Excavators	2	8.00	162	0.38
Phases IV & V – Grading	Excavators	2	8.00	162	0.38
Phase VI – Grading	Excavators	2	8.00	162	0.38
Phase I, III, IV – Grading	Excavators	2	8.00	162	0.38
Phase II – Building Construction	Forklifts	3	8.00	89	0.20
Phase III – Building Construction	Forklifts	3	8.00	89	0.20

Phases IV & V – Building Construction	Forklifts	3	8.00	89	0.20
Phase VI – Building Construction	Forklifts	3	8.00	89	0.20
Phase I – Building Construction	Forklifts	3	8.00	89	0.20
Phase II – Building Construction	Generator Sets	1	8.00	84	0.74
Phase III – Building Construction	Generator Sets	1	8.00	84	0.74
Phases IV & V – Building Construction	Generator Sets	1	8.00	84	0.74
Phase VI – Building Construction	Generator Sets	1	8.00	84	0.74
Phase I – Building Construction	Generator Sets	1	8.00	84	0.74
Phase II – Grading	Graders	1	8.00	174	0.41
Phase III – Grading	Graders	1	8.00	174	0.41
Offsite Construction – Grading	Graders	1	8.00	174	0.41
Phases IV & V – Grading	Graders	1	8.00	174	0.41
Phase VI – Grading	Graders	1	8.00	174	0.41
Phase I, III, IV – Grading	Graders	1	8.00	174	0.41
Phase II – Paving	Pavers	2	8.00	125	0.42
Phase III – Paving	Pavers	2	8.00	125	0.42
Phases IV & V – Paving	Pavers	2	8.00	125	0.42
Phase VI – Paving	Pavers	2	8.00	125	0.42
Offsite Construction – Paving	Pavers	2	8.00	125	0.42
Phase I – Paving	Pavers	2	8.00	125	0.42
Phase II – Paving	Paving Equipment	2	8.00	130	0.36
Phase III – Paving	Paving Equipment	2	8.00	130	0.36
Phases IV & V – Paving	Paving Equipment	2	8.00	130	0.36
Phase VI – Paving	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Paving	Paving Equipment	2	8.00	130	0.36
Phase I – Paving	Paving Equipment	2	8.00	130	0.36
Phase II – Paving	Rollers	2	8.00	80	0.38
Phase III – Paving	Rollers	2	8.00	80	0.38

Phases IV & V – Paving	Rollers	2	8.00	80	0.38
Phase VI – Paving	Rollers	2	8.00	80	0.38
Offsite Construction – Paving	Rollers	2	8.00	80	0.38
Phase I – Paving	Rollers	2	8.00	80	0.38
Phase II – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phases IV & V – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase VI – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase I, III, IV – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phases IV & V – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase VI – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase I – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Grading	Scrapers	2	8.00	361	0.48
Phase III – Grading	Scrapers	2	8.00	361	0.48
Offsite Construction – Grading	Scrapers	2	8.00	361	0.48
Phases IV & V – Grading	Scrapers	2	8.00	361	0.48
Phase VI – Grading	Scrapers	2	8.00	361	0.48
Phase I, III, IV – Grading	Scrapers	2	8.00	361	0.48
Phase II – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase III – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phases IV & V – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase VI – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase I – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase II – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase III – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phases IV & V – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Phase VI – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Offsite Construction – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase III – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phases IV & V – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase VI – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Building Construction	Welders	1	8.00	46	0.45
Phase III – Building Construction	Welders	1	8.00	46	0.45
Phases IV & V – Building Construction	Welders	1	8.00	46	0.45
Phase VI – Building Construction	Welders	1	8.00	46	0.45
Phase I – Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Offsite Construction – Site Preparation	10	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Grading	12	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Paving	14	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Site Preparation	12	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I, III, IV – Grading	14	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Building Construction	10	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT



Phase III – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Offsite Construction – Site Preparation - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	4.2536	43.2907	40.0157	0.0524		2.2690	2.2690		2.1058	2.1058		5,159.400 1	5,159.400 1	1.4866		5,190.618 3
<b>Total</b>	<b>4.2536</b>	<b>43.2907</b>	<b>40.0157</b>	<b>0.0524</b>	<b>12.0442</b>	<b>2.2690</b>	<b>14.3131</b>	<b>6.6205</b>	<b>2.1058</b>	<b>8.7262</b>		<b>5,159.400 1</b>	<b>5,159.400 1</b>	<b>1.4866</b>		<b>5,190.618 3</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	0.0429	0.0659	0.6353	1.6900e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		125.8629	125.8629	5.9700e-003		125.9884
<b>Total</b>	<b>0.0429</b>	<b>0.0659</b>	<b>0.6353</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.9000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>125.8629</b>	<b>125.8629</b>	<b>5.9700e-003</b>		<b>125.9884</b>

### 3.2 Offsite Construction – Site Preparation - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4199	0.0000	5.4199	2.9792	0.0000	2.9792			0.0000			0.0000
Off-Road	1.8728	45.4945	34.6332	0.0524		1.4199	1.4199		1.4199	1.4199	0.0000	5,159.400 1	5,159.400 1	1.4866		5,190.618 3
<b>Total</b>	<b>1.8728</b>	<b>45.4945</b>	<b>34.6332</b>	<b>0.0524</b>	<b>5.4199</b>	<b>1.4199</b>	<b>6.8398</b>	<b>2.9792</b>	<b>1.4199</b>	<b>4.3991</b>	<b>0.0000</b>	<b>5,159.400 1</b>	<b>5,159.400 1</b>	<b>1.4866</b>		<b>5,190.618 3</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	0.0429	0.0659	0.6353	1.6900e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		125.8629	125.8629	5.9700e-003		125.9884
<b>Total</b>	<b>0.0429</b>	<b>0.0659</b>	<b>0.6353</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.9000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>125.8629</b>	<b>125.8629</b>	<b>5.9700e-003</b>		<b>125.9884</b>

### 3.3 Offsite Construction – 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	7.4152	80.9760	61.9596	0.0857		3.8345	3.8345		3.5278	3.5278		8,490.7664	8,490.7664	2.6864		8,547.1806
<b>Total</b>	<b>7.4152</b>	<b>80.9760</b>	<b>61.9596</b>	<b>0.0857</b>	<b>18.0663</b>	<b>3.8345</b>	<b>21.9008</b>	<b>9.9307</b>	<b>3.5278</b>	<b>13.4585</b>		<b>8,490.7664</b>	<b>8,490.7664</b>	<b>2.6864</b>		<b>8,547.1806</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	0.0515	0.0791	0.7623	2.0300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		151.0355	151.0355	7.1700e-003		151.1860
<b>Total</b>	<b>0.0515</b>	<b>0.0791</b>	<b>0.7623</b>	<b>2.0300e-003</b>	<b>0.1780</b>	<b>1.1800e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.1000e-003</b>	<b>0.0483</b>		<b>151.0355</b>	<b>151.0355</b>	<b>7.1700e-003</b>		<b>151.1860</b>

### 3.3 Offsite Construction – 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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000				0.0000
Off-Road	2.6151	71.8913	51.9820	0.0857		1.9380	1.9380		1.9380	1.9380	0.0000	8,490.7664	8,490.7664	2.6864			8,547.1805
<b>Total</b>	<b>2.6151</b>	<b>71.8913</b>	<b>51.9820</b>	<b>0.0857</b>	<b>8.1298</b>	<b>1.9380</b>	<b>10.0678</b>	<b>4.4688</b>	<b>1.9380</b>	<b>6.4068</b>	<b>0.0000</b>	<b>8,490.7664</b>	<b>8,490.7664</b>	<b>2.6864</b>			<b>8,547.1805</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	0.0515	0.0791	0.7623	2.0300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		151.0355	151.0355	7.1700e-003			151.1860
<b>Total</b>	<b>0.0515</b>	<b>0.0791</b>	<b>0.7623</b>	<b>2.0300e-003</b>	<b>0.1780</b>	<b>1.1800e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.1000e-003</b>	<b>0.0483</b>		<b>151.0355</b>	<b>151.0355</b>	<b>7.1700e-003</b>			<b>151.1860</b>

### 3.4 Offsite Construction – 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	6.3170	69.1331	54.6540	0.0840		3.3143	3.3143		3.0492	3.0492		8,320.285 2	8,320.285 2	2.6325		8,375.566 7
Paving	2.0516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>8.3686</b>	<b>69.1331</b>	<b>54.6540</b>	<b>0.0840</b>		<b>3.3143</b>	<b>3.3143</b>		<b>3.0492</b>	<b>3.0492</b>		<b>8,320.285 2</b>	<b>8,320.285 2</b>	<b>2.6325</b>		<b>8,375.566 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	0.0000	0.0000	0.0000	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	0.0572	0.0879	0.8470	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		167.8172	167.8172	7.9600e-003		167.9845
<b>Total</b>	<b>0.0572</b>	<b>0.0879</b>	<b>0.8470</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.3100e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2200e-003</b>	<b>0.0537</b>		<b>167.8172</b>	<b>167.8172</b>	<b>7.9600e-003</b>		<b>167.9845</b>

### 3.4 Offsite Construction – 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	2.8043	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,320.285 2	8,320.285 2	2.6325			8,375.566 7
Paving	2.0516					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>4.8559</b>	<b>70.6463</b>	<b>54.8708</b>	<b>0.0840</b>		<b>2.0325</b>	<b>2.0325</b>		<b>2.0325</b>	<b>2.0325</b>	<b>0.0000</b>	<b>8,320.285 2</b>	<b>8,320.285 2</b>	<b>2.6325</b>			<b>8,375.566 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	0.0000	0.0000	0.0000	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	0.0572	0.0879	0.8470	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		167.8172	167.8172	7.9600e-003			167.9845
<b>Total</b>	<b>0.0572</b>	<b>0.0879</b>	<b>0.8470</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.3100e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2200e-003</b>	<b>0.0537</b>		<b>167.8172</b>	<b>167.8172</b>	<b>7.9600e-003</b>			<b>167.9845</b>

**3.5 Phase I – Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9983	49.5273	40.6161	0.0535		2.5112	2.5112		2.3330	2.3330		5,131.6875	5,131.6875	1.4568		5,162.2811
<b>Total</b>	<b>4.9983</b>	<b>49.5273</b>	<b>40.6161</b>	<b>0.0535</b>	<b>18.0663</b>	<b>2.5112</b>	<b>20.5775</b>	<b>9.9307</b>	<b>2.3330</b>	<b>12.2637</b>		<b>5,131.6875</b>	<b>5,131.6875</b>	<b>1.4568</b>		<b>5,162.2811</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	4.3046	24.4786	44.1046	0.0803	2.1628	0.3412	2.5040	0.6175	0.3138	0.9312		7,501.8877	7,501.8877	0.0582		7,503.1096
Worker	3.6079	5.5614	53.3328	0.1567	13.7714	0.0898	13.8612	3.6524	0.0832	3.7357		11,218.6862	11,218.6862	0.5159		11,229.5204
<b>Total</b>	<b>7.9124</b>	<b>30.0399</b>	<b>97.4374</b>	<b>0.2370</b>	<b>15.9342</b>	<b>0.4309</b>	<b>16.3651</b>	<b>4.2699</b>	<b>0.3970</b>	<b>4.6669</b>		<b>18,720.5739</b>	<b>18,720.5739</b>	<b>0.5741</b>		<b>18,732.6299</b>



**3.5 Phase I – Site Preparation - 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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.7258	45.8587	31.8476	0.0535		1.3765	1.3765		1.3765	1.3765	0.0000	5,131.6875	5,131.6875	1.4568		5,162.2811
<b>Total</b>	<b>1.7258</b>	<b>45.8587</b>	<b>31.8476</b>	<b>0.0535</b>	<b>8.1298</b>	<b>1.3765</b>	<b>9.5063</b>	<b>4.4688</b>	<b>1.3765</b>	<b>5.8453</b>	<b>0.0000</b>	<b>5,131.6875</b>	<b>5,131.6875</b>	<b>1.4568</b>		<b>5,162.2811</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	4.3046	24.4786	44.1046	0.0803	2.1628	0.3412	2.5040	0.6175	0.3138	0.9312		7,501.8877	7,501.8877	0.0582		7,503.1096
Worker	3.6079	5.5614	53.3328	0.1567	13.7714	0.0898	13.8612	3.6524	0.0832	3.7357		11,218.6862	11,218.6862	0.5159		11,229.5204
<b>Total</b>	<b>7.9124</b>	<b>30.0399</b>	<b>97.4374</b>	<b>0.2370</b>	<b>15.9342</b>	<b>0.4309</b>	<b>16.3651</b>	<b>4.2699</b>	<b>0.3970</b>	<b>4.6669</b>		<b>18,720.5739</b>	<b>18,720.5739</b>	<b>0.5741</b>		<b>18,732.6299</b>

**3.6 Phase I, III, IV – 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.8802	63.1684	52.7780	0.0840		3.0010	3.0010		2.7609	2.7609		8,138.4659	8,138.4659	2.6321		8,193.7410
<b>Total</b>	<b>5.8802</b>	<b>63.1684</b>	<b>52.7780</b>	<b>0.0840</b>	<b>8.6733</b>	<b>3.0010</b>	<b>11.6743</b>	<b>3.5965</b>	<b>2.7609</b>	<b>6.3574</b>		<b>8,138.4659</b>	<b>8,138.4659</b>	<b>2.6321</b>		<b>8,193.7410</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	0.0389	0.0599	0.5743	1.6900e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		120.8042	120.8042	5.5600e-003		120.9209
<b>Total</b>	<b>0.0389</b>	<b>0.0599</b>	<b>0.5743</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.7000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.0000e-004</b>	<b>0.0402</b>		<b>120.8042</b>	<b>120.8042</b>	<b>5.5600e-003</b>		<b>120.9209</b>

**3.6 Phase I, III, IV – 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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	2.8043	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,138.4659	8,138.4659	2.6321		8,193.7410
<b>Total</b>	<b>2.8043</b>	<b>70.6463</b>	<b>54.8708</b>	<b>0.0840</b>	<b>3.9030</b>	<b>2.0325</b>	<b>5.9355</b>	<b>1.6184</b>	<b>2.0325</b>	<b>3.6509</b>	<b>0.0000</b>	<b>8,138.4659</b>	<b>8,138.4659</b>	<b>2.6321</b>		<b>8,193.7410</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	0.0389	0.0599	0.5743	1.6900e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		120.8042	120.8042	5.5600e-003		120.9209
<b>Total</b>	<b>0.0389</b>	<b>0.0599</b>	<b>0.5743</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.7000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.0000e-004</b>	<b>0.0402</b>		<b>120.8042</b>	<b>120.8042</b>	<b>5.5600e-003</b>		<b>120.9209</b>

### 3.7 Phase I – Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3534	20.7678	18.6399	0.0298		1.2238	1.2238		1.1574	1.1574		2,823.9280	2,823.9280	0.6412		2,837.3937
<b>Total</b>	<b>2.3534</b>	<b>20.7678</b>	<b>18.6399</b>	<b>0.0298</b>		<b>1.2238</b>	<b>1.2238</b>		<b>1.1574</b>	<b>1.1574</b>		<b>2,823.9280</b>	<b>2,823.9280</b>	<b>0.6412</b>		<b>2,837.3937</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	0.7226	1.1139	10.6819	0.0314	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,246.9587	2,246.9587	0.1033		2,249.1286
<b>Total</b>	<b>0.7226</b>	<b>1.1139</b>	<b>10.6819</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0180</b>	<b>2.7762</b>	<b>0.7315</b>	<b>0.0167</b>	<b>0.7482</b>		<b>2,246.9587</b>	<b>2,246.9587</b>	<b>0.1033</b>		<b>2,249.1286</b>

**3.7 Phase I – Building 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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,823.9280	2,823.9280	0.6412		2,837.3937
<b>Total</b>	<b>1.1921</b>	<b>25.8140</b>	<b>19.6480</b>	<b>0.0298</b>		<b>0.9967</b>	<b>0.9967</b>		<b>0.9967</b>	<b>0.9967</b>	<b>0.0000</b>	<b>2,823.9280</b>	<b>2,823.9280</b>	<b>0.6412</b>		<b>2,837.3937</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	0.7226	1.1139	10.6819	0.0314	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,246.9587	2,246.9587	0.1033		2,249.1286
<b>Total</b>	<b>0.7226</b>	<b>1.1139</b>	<b>10.6819</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0180</b>	<b>2.7762</b>	<b>0.7315</b>	<b>0.0167</b>	<b>0.7482</b>		<b>2,246.9587</b>	<b>2,246.9587</b>	<b>0.1033</b>		<b>2,249.1286</b>

**3.7 Phase I – Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1120	18.8671	18.3552	0.0298		1.0490	1.0490		0.9919	0.9919		2,824.2298	2,824.2298	0.6319		2,837.4998
<b>Total</b>	<b>2.1120</b>	<b>18.8671</b>	<b>18.3552</b>	<b>0.0298</b>		<b>1.0490</b>	<b>1.0490</b>		<b>0.9919</b>	<b>0.9919</b>		<b>2,824.2298</b>	<b>2,824.2298</b>	<b>0.6319</b>		<b>2,837.4998</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	0.6744	1.0298	9.8922	0.0314	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,208.1993	2,208.1993	0.0977		2,210.2508
<b>Total</b>	<b>0.6744</b>	<b>1.0298</b>	<b>9.8922</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0179</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0166</b>	<b>0.7481</b>		<b>2,208.1993</b>	<b>2,208.1993</b>	<b>0.0977</b>		<b>2,210.2508</b>

**3.7 Phase I – Building 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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,824.2298	2,824.2298	0.6319		2,837.4998
<b>Total</b>	<b>1.1921</b>	<b>25.8140</b>	<b>19.6480</b>	<b>0.0298</b>		<b>0.9967</b>	<b>0.9967</b>		<b>0.9967</b>	<b>0.9967</b>	<b>0.0000</b>	<b>2,824.2298</b>	<b>2,824.2298</b>	<b>0.6319</b>		<b>2,837.4998</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	0.6744	1.0298	9.8922	0.0314	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,208.1993	2,208.1993	0.0977		2,210.2508
<b>Total</b>	<b>0.6744</b>	<b>1.0298</b>	<b>9.8922</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0179</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0166</b>	<b>0.7481</b>		<b>2,208.1993</b>	<b>2,208.1993</b>	<b>0.0977</b>		<b>2,210.2508</b>

### 3.7 Phase I – Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9037	16.9449	18.1412	0.0298		0.8874	0.8874		0.8398	0.8398		2,825.1977	2,825.1977	0.6269		2,838.3615
<b>Total</b>	<b>1.9037</b>	<b>16.9449</b>	<b>18.1412</b>	<b>0.0298</b>		<b>0.8874</b>	<b>0.8874</b>		<b>0.8398</b>	<b>0.8398</b>		<b>2,825.1977</b>	<b>2,825.1977</b>	<b>0.6269</b>		<b>2,838.3615</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	0.6344	0.9600	9.2311	0.0314	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,173.0911	2,173.0911	0.0930		2,175.0444
<b>Total</b>	<b>0.6344</b>	<b>0.9600</b>	<b>9.2311</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7481</b>		<b>2,173.0911</b>	<b>2,173.0911</b>	<b>0.0930</b>		<b>2,175.0444</b>



### 3.7 Phase I – Building 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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,825.1977	2,825.1977	0.6269		2,838.3615
<b>Total</b>	<b>1.1921</b>	<b>25.8140</b>	<b>19.6480</b>	<b>0.0298</b>		<b>0.9967</b>	<b>0.9967</b>		<b>0.9967</b>	<b>0.9967</b>	<b>0.0000</b>	<b>2,825.1977</b>	<b>2,825.1977</b>	<b>0.6269</b>		<b>2,838.3615</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	0.6344	0.9600	9.2311	0.0314	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,173.0911	2,173.0911	0.0930		2,175.0444
<b>Total</b>	<b>0.6344</b>	<b>0.9600</b>	<b>9.2311</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7481</b>		<b>2,173.0911</b>	<b>2,173.0911</b>	<b>0.0930</b>		<b>2,175.0444</b>

### 3.7 Phase I – Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7578	15.6156	18.0204	0.0298		0.7675	0.7675		0.7265	0.7265		2,826.0743	2,826.0743	0.6213		2,839.1208
<b>Total</b>	<b>1.7578</b>	<b>15.6156</b>	<b>18.0204</b>	<b>0.0298</b>		<b>0.7675</b>	<b>0.7675</b>		<b>0.7265</b>	<b>0.7265</b>		<b>2,826.0743</b>	<b>2,826.0743</b>	<b>0.6213</b>		<b>2,839.1208</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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
<b>Total</b>	<b>0.5966</b>	<b>0.8970</b>	<b>8.6053</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,141.1273</b>	<b>2,141.1273</b>	<b>0.0888</b>		<b>2,142.9931</b>

### 3.7 Phase I – Building Construction - 2023

#### 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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,826.0743	2,826.0743	0.6213		2,839.1208
<b>Total</b>	<b>1.1921</b>	<b>25.8140</b>	<b>19.6480</b>	<b>0.0298</b>		<b>0.9967</b>	<b>0.9967</b>		<b>0.9967</b>	<b>0.9967</b>	<b>0.0000</b>	<b>2,826.0743</b>	<b>2,826.0743</b>	<b>0.6213</b>		<b>2,839.1208</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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
<b>Total</b>	<b>0.5966</b>	<b>0.8970</b>	<b>8.6053</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,141.1273</b>	<b>2,141.1273</b>	<b>0.0888</b>		<b>2,142.9931</b>

**3.8 Phase I – Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0128	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	6.2915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>7.3043</b>	<b>9.9983</b>	<b>14.2850</b>	<b>0.0223</b>		<b>0.5010</b>	<b>0.5010</b>		<b>0.4609</b>	<b>0.4609</b>		<b>2,160.6139</b>	<b>2,160.6139</b>	<b>0.6988</b>		<b>2,175.2884</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	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147
<b>Total</b>	<b>0.0321</b>	<b>0.0482</b>	<b>0.4627</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>115.1144</b>	<b>115.1144</b>	<b>4.7800e-003</b>		<b>115.2147</b>

**3.8 Phase I – Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	6.2915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>7.2036</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,160.6139</b>	<b>2,160.6139</b>	<b>0.6988</b>		<b>2,175.2884</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	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147
<b>Total</b>	<b>0.0321</b>	<b>0.0482</b>	<b>0.4627</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>115.1144</b>	<b>115.1144</b>	<b>4.7800e-003</b>		<b>115.2147</b>

### 3.9 Phase I – Architectural Coating - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	270.7457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
<b>Total</b>	<b>270.9374</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8017</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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
<b>Total</b>	<b>0.5966</b>	<b>0.8970</b>	<b>8.6053</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,141.1273</b>	<b>2,141.1273</b>	<b>0.0888</b>		<b>2,142.9931</b>

### 3.9 Phase I – Architectural Coating - 2023

#### 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	270.7457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017
<b>Total</b>	<b>270.8596</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8017</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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
<b>Total</b>	<b>0.5966</b>	<b>0.8970</b>	<b>8.6053</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,141.1273</b>	<b>2,141.1273</b>	<b>0.0888</b>		<b>2,142.9931</b>

**3.10 Phase II – Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.0157	29.9342	28.8193	0.0392		1.3907	1.3907		1.2795	1.2795		3,793.9535	3,793.9535	1.2270		3,819.7214
<b>Total</b>	<b>3.0157</b>	<b>29.9342</b>	<b>28.8193</b>	<b>0.0392</b>	<b>18.0663</b>	<b>1.3907</b>	<b>19.4570</b>	<b>9.9307</b>	<b>1.2795</b>	<b>11.2102</b>		<b>3,793.9535</b>	<b>3,793.9535</b>	<b>1.2270</b>		<b>3,819.7214</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	0.0385	0.0579	0.5552	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		138.1373	138.1373	5.7300e-003		138.2576
<b>Total</b>	<b>0.0385</b>	<b>0.0579</b>	<b>0.5552</b>	<b>2.0200e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0600e-003</b>	<b>0.0483</b>		<b>138.1373</b>	<b>138.1373</b>	<b>5.7300e-003</b>		<b>138.2576</b>



**3.10 Phase II – Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.9535	3,793.9535	1.2270		3,819.7214
<b>Total</b>	<b>1.2300</b>	<b>34.4240</b>	<b>23.4003</b>	<b>0.0392</b>	<b>8.1298</b>	<b>0.9611</b>	<b>9.0909</b>	<b>4.4688</b>	<b>0.9611</b>	<b>5.4299</b>	<b>0.0000</b>	<b>3,793.9535</b>	<b>3,793.9535</b>	<b>1.2270</b>		<b>3,819.7214</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	0.0385	0.0579	0.5552	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		138.1373	138.1373	5.7300e-003		138.2576
<b>Total</b>	<b>0.0385</b>	<b>0.0579</b>	<b>0.5552</b>	<b>2.0200e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0600e-003</b>	<b>0.0483</b>		<b>138.1373</b>	<b>138.1373</b>	<b>5.7300e-003</b>		<b>138.2576</b>

**3.11 Phase II – Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.5314	34.9375	34.1888	0.0618		1.5543	1.5543		1.4300	1.4300		5,985.4359	5,985.4359	1.9358		6,026.0879
<b>Total</b>	<b>3.5314</b>	<b>34.9375</b>	<b>34.1888</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.5543</b>	<b>10.2276</b>	<b>3.5965</b>	<b>1.4300</b>	<b>5.0265</b>		<b>5,985.4359</b>	<b>5,985.4359</b>	<b>1.9358</b>		<b>6,026.0879</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	0.0428	0.0643	0.6169	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		153.4858	153.4858	6.3700e-003		153.6196
<b>Total</b>	<b>0.0428</b>	<b>0.0643</b>	<b>0.6169</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.2700e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1800e-003</b>	<b>0.0536</b>		<b>153.4858</b>	<b>153.4858</b>	<b>6.3700e-003</b>		<b>153.6196</b>

**3.11 Phase II – Grading - 2023**

**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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,985.4359	5,985.4359	1.9358		6,026.0879
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,985.4359</b>	<b>5,985.4359</b>	<b>1.9358</b>		<b>6,026.0879</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	0.0428	0.0643	0.6169	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		153.4858	153.4858	6.3700e-003		153.6196
<b>Total</b>	<b>0.0428</b>	<b>0.0643</b>	<b>0.6169</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.2700e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1800e-003</b>	<b>0.0536</b>		<b>153.4858</b>	<b>153.4858</b>	<b>6.3700e-003</b>		<b>153.6196</b>

### 3.12 Phase II – Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>		<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	3.7256	14.9946	37.9181	0.0798	2.1632	0.2746	2.4377	0.6176	0.2526	0.8702		7,461.527 5	7,461.527 5	0.0558		7,462.700 1
Worker	2.9788	4.4784	42.9648	0.1566	13.7714	0.0888	13.8602	3.6524	0.0824	3.7348		10,690.28 81	10,690.28 81	0.4436		10,699.60 33
<b>Total</b>	<b>6.7044</b>	<b>19.4731</b>	<b>80.8830</b>	<b>0.2364</b>	<b>15.9346</b>	<b>0.3634</b>	<b>16.2979</b>	<b>4.2700</b>	<b>0.3350</b>	<b>4.6050</b>		<b>18,151.81 56</b>	<b>18,151.81 56</b>	<b>0.4994</b>		<b>18,162.30 34</b>

**3.12 Phase II – Building Construction - 2023**

**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	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0268</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	3.7256	14.9946	37.9181	0.0798	2.1632	0.2746	2.4377	0.6176	0.2526	0.8702		7,461.527 5	7,461.527 5	0.0558		7,462.700 1
Worker	2.9788	4.4784	42.9648	0.1566	13.7714	0.0888	13.8602	3.6524	0.0824	3.7348		10,690.28 81	10,690.28 81	0.4436		10,699.60 33
<b>Total</b>	<b>6.7044</b>	<b>19.4731</b>	<b>80.8830</b>	<b>0.2364</b>	<b>15.9346</b>	<b>0.3634</b>	<b>16.2979</b>	<b>4.2700</b>	<b>0.3350</b>	<b>4.6050</b>		<b>18,151.81 56</b>	<b>18,151.81 56</b>	<b>0.4994</b>		<b>18,162.30 34</b>

**3.13 Phase II – Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0128	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	6.2915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>7.3043</b>	<b>9.9983</b>	<b>14.2850</b>	<b>0.0223</b>		<b>0.5010</b>	<b>0.5010</b>		<b>0.4609</b>	<b>0.4609</b>		<b>2,160.6139</b>	<b>2,160.6139</b>	<b>0.6988</b>		<b>2,175.2884</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	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147
<b>Total</b>	<b>0.0321</b>	<b>0.0482</b>	<b>0.4627</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>115.1144</b>	<b>115.1144</b>	<b>4.7800e-003</b>		<b>115.2147</b>

**3.13 Phase II – Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	6.2915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>7.2036</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,160.6139</b>	<b>2,160.6139</b>	<b>0.6988</b>		<b>2,175.2884</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	0.0321	0.0482	0.4627	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		115.1144	115.1144	4.7800e-003		115.2147
<b>Total</b>	<b>0.0321</b>	<b>0.0482</b>	<b>0.4627</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>115.1144</b>	<b>115.1144</b>	<b>4.7800e-003</b>		<b>115.2147</b>

### 3.14 Phase II – Architectural Coating - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
<b>Total</b>	<b>744.7424</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8017</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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
<b>Total</b>	<b>0.5966</b>	<b>0.8970</b>	<b>8.6053</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,141.1273</b>	<b>2,141.1273</b>	<b>0.0888</b>		<b>2,142.9931</b>



### 3.14 Phase II – Architectural Coating - 2023

#### 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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017
<b>Total</b>	<b>744.6647</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8017</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	0.5966	0.8970	8.6053	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,141.1273	2,141.1273	0.0888		2,142.9931
<b>Total</b>	<b>0.5966</b>	<b>0.8970</b>	<b>8.6053</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,141.1273</b>	<b>2,141.1273</b>	<b>0.0888</b>		<b>2,142.9931</b>

### 3.14 Phase II – Architectural Coating - 2024

#### 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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
<b>Total</b>	<b>744.7315</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.7809</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	0.5632	0.8424	8.0966	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,112.3620	2,112.3620	0.0852		2,114.1520
<b>Total</b>	<b>0.5632</b>	<b>0.8424</b>	<b>8.0966</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,112.3620</b>	<b>2,112.3620</b>	<b>0.0852</b>		<b>2,114.1520</b>

### 3.14 Phase II – Architectural Coating - 2024

#### 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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.7809
<b>Total</b>	<b>744.6647</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.7809</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	0.5632	0.8424	8.0966	0.0314	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,112.3620	2,112.3620	0.0852		2,114.1520
<b>Total</b>	<b>0.5632</b>	<b>0.8424</b>	<b>8.0966</b>	<b>0.0314</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,112.3620</b>	<b>2,112.3620</b>	<b>0.0852</b>		<b>2,114.1520</b>

**3.15 Phase III – Site Preparation - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.8238	27.5450	27.6020	0.0392		1.2498	1.2498		1.1498	1.1498		3,794.3149	3,794.3149	1.2272		3,820.0852
<b>Total</b>	<b>2.8238</b>	<b>27.5450</b>	<b>27.6020</b>	<b>0.0392</b>	<b>18.0663</b>	<b>1.2498</b>	<b>19.3161</b>	<b>9.9307</b>	<b>1.1498</b>	<b>11.0805</b>		<b>3,794.3149</b>	<b>3,794.3149</b>	<b>1.2272</b>		<b>3,820.0852</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	0.0363	0.0544	0.5224	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		136.2814	136.2814	5.5000e-003		136.3969
<b>Total</b>	<b>0.0363</b>	<b>0.0544</b>	<b>0.5224</b>	<b>2.0200e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0600e-003</b>	<b>0.0483</b>		<b>136.2814</b>	<b>136.2814</b>	<b>5.5000e-003</b>		<b>136.3969</b>

**3.15 Phase III – Site Preparation - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,794.3149	3,794.3149	1.2272		3,820.0852
<b>Total</b>	<b>1.2300</b>	<b>34.4240</b>	<b>23.4003</b>	<b>0.0392</b>	<b>8.1298</b>	<b>0.9611</b>	<b>9.0909</b>	<b>4.4688</b>	<b>0.9611</b>	<b>5.4299</b>	<b>0.0000</b>	<b>3,794.3149</b>	<b>3,794.3149</b>	<b>1.2272</b>		<b>3,820.0852</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	0.0363	0.0544	0.5224	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		136.2814	136.2814	5.5000e-003		136.3969
<b>Total</b>	<b>0.0363</b>	<b>0.0544</b>	<b>0.5224</b>	<b>2.0200e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0600e-003</b>	<b>0.0483</b>		<b>136.2814</b>	<b>136.2814</b>	<b>5.5000e-003</b>		<b>136.3969</b>

**3.16 Phase III – Grading - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.3599	32.1927	33.4441	0.0618		1.4234	1.4234		1.3096	1.3096		5,984.025 2	5,984.025 2	1.9354		6,024.667 7
<b>Total</b>	<b>3.3599</b>	<b>32.1927</b>	<b>33.4441</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.4234</b>	<b>10.0968</b>	<b>3.5965</b>	<b>1.3096</b>	<b>4.9061</b>		<b>5,984.025 2</b>	<b>5,984.025 2</b>	<b>1.9354</b>		<b>6,024.667 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	0.0000	0.0000	0.0000	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	0.0404	0.0604	0.5804	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		151.4238	151.4238	6.1100e-003		151.5521
<b>Total</b>	<b>0.0404</b>	<b>0.0604</b>	<b>0.5804</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.2700e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1800e-003</b>	<b>0.0536</b>		<b>151.4238</b>	<b>151.4238</b>	<b>6.1100e-003</b>		<b>151.5521</b>

**3.16 Phase III – Grading - 2024**

**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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,984.025 2	5,984.025 2	1.9354		6,024.667 7
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,984.025 2</b>	<b>5,984.025 2</b>	<b>1.9354</b>		<b>6,024.667 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	0.0000	0.0000	0.0000	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	0.0404	0.0604	0.5804	2.2500e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		151.4238	151.4238	6.1100e-003		151.5521
<b>Total</b>	<b>0.0404</b>	<b>0.0604</b>	<b>0.5804</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.2700e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1800e-003</b>	<b>0.0536</b>		<b>151.4238</b>	<b>151.4238</b>	<b>6.1100e-003</b>		<b>151.5521</b>

**3.17 Phase III – Building Construction - 2024**

**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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>		<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	3.7313	14.8407	37.2028	0.0798	2.1632	0.2758	2.4390	0.6176	0.2538	0.8714		7,461.8515	7,461.8515	0.0561		7,463.0288
Worker	2.8119	4.2059	40.4248	0.1565	13.7714	0.0887	13.8601	3.6524	0.0823	3.7348		10,546.6678	10,546.6678	0.4256		10,555.6046
<b>Total</b>	<b>6.5431</b>	<b>19.0466</b>	<b>77.6276</b>	<b>0.2363</b>	<b>15.9345</b>	<b>0.3646</b>	<b>16.2991</b>	<b>4.2700</b>	<b>0.3361</b>	<b>4.6061</b>		<b>18,008.5192</b>	<b>18,008.5192</b>	<b>0.4816</b>		<b>18,018.6334</b>



**3.17 Phase III – Building Construction - 2024**

**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	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0268</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	3.7313	14.8407	37.2028	0.0798	2.1632	0.2758	2.4390	0.6176	0.2538	0.8714		7,461.8515	7,461.8515	0.0561		7,463.0288
Worker	2.8119	4.2059	40.4248	0.1565	13.7714	0.0887	13.8601	3.6524	0.0823	3.7348		10,546.6678	10,546.6678	0.4256		10,555.6046
<b>Total</b>	<b>6.5431</b>	<b>19.0466</b>	<b>77.6276</b>	<b>0.2363</b>	<b>15.9345</b>	<b>0.3646</b>	<b>16.2991</b>	<b>4.2700</b>	<b>0.3361</b>	<b>4.6061</b>		<b>18,008.5192</b>	<b>18,008.5192</b>	<b>0.4816</b>		<b>18,018.6334</b>

### 3.17 Phase III – Building Construction - 2025

#### 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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.6445	14.7042	36.6943	0.0798	2.1632	0.2769	2.4401	0.6176	0.2547	0.8723		7,462.3541	7,462.3541	0.0563		7,463.5354
Worker	2.6770	3.9801	38.3949	0.1565	13.7714	0.0891	13.8605	3.6524	0.0827	3.7351		10,420.1427	10,420.1427	0.4107		10,428.7671
<b>Total</b>	<b>6.3215</b>	<b>18.6843</b>	<b>75.0892</b>	<b>0.2363</b>	<b>15.9346</b>	<b>0.3660</b>	<b>16.3006</b>	<b>4.2701</b>	<b>0.3374</b>	<b>4.6074</b>		<b>17,882.4968</b>	<b>17,882.4968</b>	<b>0.4669</b>		<b>17,892.3025</b>

**3.17 Phase III – Building Construction - 2025**

**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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.6445	14.7042	36.6943	0.0798	2.1632	0.2769	2.4401	0.6176	0.2547	0.8723		7,462.3541	7,462.3541	0.0563		7,463.5354
Worker	2.6770	3.9801	38.3949	0.1565	13.7714	0.0891	13.8605	3.6524	0.0827	3.7351		10,420.1427	10,420.1427	0.4107		10,428.7671
<b>Total</b>	<b>6.3215</b>	<b>18.6843</b>	<b>75.0892</b>	<b>0.2363</b>	<b>15.9346</b>	<b>0.3660</b>	<b>16.3006</b>	<b>4.2701</b>	<b>0.3374</b>	<b>4.6074</b>		<b>17,882.4968</b>	<b>17,882.4968</b>	<b>0.4669</b>		<b>17,892.3025</b>

**3.18 Phase III – Architectural Coating - 2025**

**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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>744.7216</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.5362	0.7972	7.6900	0.0313	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		2,087.0207	2,087.0207	0.0823		2,088.7481
<b>Total</b>	<b>0.5362</b>	<b>0.7972</b>	<b>7.6900</b>	<b>0.0313</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0166</b>	<b>0.7481</b>		<b>2,087.0207</b>	<b>2,087.0207</b>	<b>0.0823</b>		<b>2,088.7481</b>

**3.18 Phase III – Architectural Coating - 2025**

**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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>744.6647</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.5362	0.7972	7.6900	0.0313	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		2,087.0207	2,087.0207	0.0823		2,088.7481
<b>Total</b>	<b>0.5362</b>	<b>0.7972</b>	<b>7.6900</b>	<b>0.0313</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0166</b>	<b>0.7481</b>		<b>2,087.0207</b>	<b>2,087.0207</b>	<b>0.0823</b>		<b>2,088.7481</b>

**3.19 Phase III – Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	4.7186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>5.6160</b>	<b>8.4215</b>	<b>14.2781</b>	<b>0.0223</b>		<b>0.4109</b>	<b>0.4109</b>		<b>0.3781</b>	<b>0.3781</b>		<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0288	0.0429	0.4134	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		112.2054	112.2054	4.4200e-003		112.2983
<b>Total</b>	<b>0.0288</b>	<b>0.0429</b>	<b>0.4134</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>112.2054</b>	<b>112.2054</b>	<b>4.4200e-003</b>		<b>112.2983</b>

**3.19 Phase III – Paving - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	4.7186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>5.6308</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0288	0.0429	0.4134	1.6900e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		112.2054	112.2054	4.4200e-003		112.2983
<b>Total</b>	<b>0.0288</b>	<b>0.0429</b>	<b>0.4134</b>	<b>1.6900e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>112.2054</b>	<b>112.2054</b>	<b>4.4200e-003</b>		<b>112.2983</b>

**3.20 Phases IV & V – Site Preparation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.840 3	3,793.840 3	1.2270		3,819.607 4
<b>Total</b>	<b>2.5083</b>	<b>23.5257</b>	<b>24.8879</b>	<b>0.0392</b>	<b>18.0663</b>	<b>1.0293</b>	<b>19.0956</b>	<b>9.9307</b>	<b>0.9470</b>	<b>10.8776</b>		<b>3,793.840 3</b>	<b>3,793.840 3</b>	<b>1.2270</b>		<b>3,819.607 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	0.0000	0.0000	0.0000	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	0.0346	0.0514	0.4961	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		134.6465	134.6465	5.3100e-003		134.7579
<b>Total</b>	<b>0.0346</b>	<b>0.0514</b>	<b>0.4961</b>	<b>2.0200e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0700e-003</b>	<b>0.0483</b>		<b>134.6465</b>	<b>134.6465</b>	<b>5.3100e-003</b>		<b>134.7579</b>



### 3.20 Phases IV & V – Site Preparation - 2025

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.840 3	3,793.840 3	1.2270		3,819.607 4
<b>Total</b>	<b>1.2300</b>	<b>34.4240</b>	<b>23.4003</b>	<b>0.0392</b>	<b>8.1298</b>	<b>0.9611</b>	<b>9.0909</b>	<b>4.4688</b>	<b>0.9611</b>	<b>5.4299</b>	<b>0.0000</b>	<b>3,793.840 3</b>	<b>3,793.840 3</b>	<b>1.2270</b>		<b>3,819.607 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	0.0000	0.0000	0.0000	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	0.0346	0.0514	0.4961	2.0200e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		134.6465	134.6465	5.3100e-003		134.7579
<b>Total</b>	<b>0.0346</b>	<b>0.0514</b>	<b>0.4961</b>	<b>2.0200e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0700e-003</b>	<b>0.0483</b>		<b>134.6465</b>	<b>134.6465</b>	<b>5.3100e-003</b>		<b>134.7579</b>

**3.21 Phases IV & V – Grading - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>3.0022</b>	<b>27.2606</b>	<b>31.3515</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.1867</b>	<b>9.8600</b>	<b>3.5965</b>	<b>1.0918</b>	<b>4.6883</b>		<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0384	0.0571	0.5513	2.2500e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		149.6072	149.6072	5.9000e-003		149.7310
<b>Total</b>	<b>0.0384</b>	<b>0.0571</b>	<b>0.5513</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.2800e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1900e-003</b>	<b>0.0536</b>		<b>149.6072</b>	<b>149.6072</b>	<b>5.9000e-003</b>		<b>149.7310</b>

**3.21 Phases IV & V – Grading - 2025**

**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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0384	0.0571	0.5513	2.2500e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		149.6072	149.6072	5.9000e-003		149.7310
<b>Total</b>	<b>0.0384</b>	<b>0.0571</b>	<b>0.5513</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.2800e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1900e-003</b>	<b>0.0536</b>		<b>149.6072</b>	<b>149.6072</b>	<b>5.9000e-003</b>		<b>149.7310</b>

**3.21 Phases IV & V – Grading - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>3.0022</b>	<b>27.2606</b>	<b>31.3515</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.1867</b>	<b>9.8600</b>	<b>3.5965</b>	<b>1.0918</b>	<b>4.6883</b>		<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0367	0.0544	0.5266	2.2500e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		148.0336	148.0336	5.7100e-003		148.1535
<b>Total</b>	<b>0.0367</b>	<b>0.0544</b>	<b>0.5266</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.2900e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2000e-003</b>	<b>0.0536</b>		<b>148.0336</b>	<b>148.0336</b>	<b>5.7100e-003</b>		<b>148.1535</b>

### 3.21 Phases IV & V – Grading - 2026

#### 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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0367	0.0544	0.5266	2.2500e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		148.0336	148.0336	5.7100e-003		148.1535
<b>Total</b>	<b>0.0367</b>	<b>0.0544</b>	<b>0.5266</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.2900e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2000e-003</b>	<b>0.0536</b>		<b>148.0336</b>	<b>148.0336</b>	<b>5.7100e-003</b>		<b>148.1535</b>

**3.22 Phases IV & V – Building Construction - 2026**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.6813	14.5236	36.0679	0.0798	2.1634	0.2753	2.4387	0.6177	0.2532	0.8709		7,463.2679	7,463.2679	0.0561		7,464.4454
Worker	2.5579	3.7888	36.6747	0.1565	13.7714	0.0898	13.8612	3.6524	0.0834	3.7358		10,310.5372	10,310.5372	0.3979		10,318.8934
<b>Total</b>	<b>6.2392</b>	<b>18.3124</b>	<b>72.7426</b>	<b>0.2363</b>	<b>15.9348</b>	<b>0.3651</b>	<b>16.2999</b>	<b>4.2701</b>	<b>0.3366</b>	<b>4.6067</b>		<b>17,773.8052</b>	<b>17,773.8052</b>	<b>0.4540</b>		<b>17,783.3388</b>

**3.22 Phases IV & V – Building Construction - 2026**

**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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.6813	14.5236	36.0679	0.0798	2.1634	0.2753	2.4387	0.6177	0.2532	0.8709		7,463.2679	7,463.2679	0.0561		7,464.4454
Worker	2.5579	3.7888	36.6747	0.1565	13.7714	0.0898	13.8612	3.6524	0.0834	3.7358		10,310.5372	10,310.5372	0.3979		10,318.8934
<b>Total</b>	<b>6.2392</b>	<b>18.3124</b>	<b>72.7426</b>	<b>0.2363</b>	<b>15.9348</b>	<b>0.3651</b>	<b>16.2999</b>	<b>4.2701</b>	<b>0.3366</b>	<b>4.6067</b>		<b>17,773.8052</b>	<b>17,773.8052</b>	<b>0.4540</b>		<b>17,783.3388</b>

**3.22 Phases IV & V – Building Construction - 2027**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.4613	14.3655	34.2634	0.0798	2.1636	0.2756	2.4392	0.6178	0.2536	0.8713		7,463.8861	7,463.8861	0.0562		7,465.0656
Worker	2.4487	3.6162	35.1349	0.1564	13.7714	0.0904	13.8618	3.6524	0.0839	3.7364		10,215.1959	10,215.1959	0.3865		10,223.3128
<b>Total</b>	<b>5.9101</b>	<b>17.9817</b>	<b>69.3983</b>	<b>0.2362</b>	<b>15.9350</b>	<b>0.3661</b>	<b>16.3011</b>	<b>4.2702</b>	<b>0.3375</b>	<b>4.6077</b>		<b>17,679.0819</b>	<b>17,679.0819</b>	<b>0.4427</b>		<b>17,688.3784</b>



**3.22 Phases IV & V – Building Construction - 2027**

**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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.4613	14.3655	34.2634	0.0798	2.1636	0.2756	2.4392	0.6178	0.2536	0.8713		7,463.8861	7,463.8861	0.0562		7,465.0656
Worker	2.4487	3.6162	35.1349	0.1564	13.7714	0.0904	13.8618	3.6524	0.0839	3.7364		10,215.1959	10,215.1959	0.3865		10,223.3128
<b>Total</b>	<b>5.9101</b>	<b>17.9817</b>	<b>69.3983</b>	<b>0.2362</b>	<b>15.9350</b>	<b>0.3661</b>	<b>16.3011</b>	<b>4.2702</b>	<b>0.3375</b>	<b>4.6077</b>		<b>17,679.0819</b>	<b>17,679.0819</b>	<b>0.4427</b>		<b>17,688.3784</b>

**3.22 Phases IV & V – Building Construction - 2028**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.3960	14.2250	32.5134	0.0797	2.1638	0.2754	2.4392	0.6178	0.2533	0.8712		7,464.5843	7,464.5843	0.0562		7,465.7643
Worker	2.3489	3.4587	33.7719	0.1564	13.7714	0.0910	13.8624	3.6524	0.0844	3.7369		10,133.0720	10,133.0720	0.3763		10,140.9733
<b>Total</b>	<b>5.7449</b>	<b>17.6838</b>	<b>66.2854</b>	<b>0.2362</b>	<b>15.9352</b>	<b>0.3664</b>	<b>16.3015</b>	<b>4.2703</b>	<b>0.3378</b>	<b>4.6081</b>		<b>17,597.6563</b>	<b>17,597.6563</b>	<b>0.4324</b>		<b>17,606.7376</b>

### 3.22 Phases IV & V – Building Construction - 2028

#### 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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.3960	14.2250	32.5134	0.0797	2.1638	0.2754	2.4392	0.6178	0.2533	0.8712		7,464.5843	7,464.5843	0.0562		7,465.7643
Worker	2.3489	3.4587	33.7719	0.1564	13.7714	0.0910	13.8624	3.6524	0.0844	3.7369		10,133.0720	10,133.0720	0.3763		10,140.9733
<b>Total</b>	<b>5.7449</b>	<b>17.6838</b>	<b>66.2854</b>	<b>0.2362</b>	<b>15.9352</b>	<b>0.3664</b>	<b>16.3015</b>	<b>4.2703</b>	<b>0.3378</b>	<b>4.6081</b>		<b>17,597.6563</b>	<b>17,597.6563</b>	<b>0.4324</b>		<b>17,606.7376</b>

**3.23 Phases IV & V – Architectural Coating - 2028**

**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	425.4576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>425.6284</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.4705	0.6927	6.7641	0.0313	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		2,029.5241	2,029.5241	0.0754		2,031.1066
<b>Total</b>	<b>0.4705</b>	<b>0.6927</b>	<b>6.7641</b>	<b>0.0313</b>	<b>2.7582</b>	<b>0.0182</b>	<b>2.7765</b>	<b>0.7315</b>	<b>0.0169</b>	<b>0.7485</b>		<b>2,029.5241</b>	<b>2,029.5241</b>	<b>0.0754</b>		<b>2,031.1066</b>

### 3.23 Phases IV & V – Architectural Coating - 2028

#### 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	425.4576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>425.5715</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.4705	0.6927	6.7641	0.0313	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		2,029.5241	2,029.5241	0.0754		2,031.1066
<b>Total</b>	<b>0.4705</b>	<b>0.6927</b>	<b>6.7641</b>	<b>0.0313</b>	<b>2.7582</b>	<b>0.0182</b>	<b>2.7765</b>	<b>0.7315</b>	<b>0.0169</b>	<b>0.7485</b>		<b>2,029.5241</b>	<b>2,029.5241</b>	<b>0.0754</b>		<b>2,031.1066</b>

**3.24 Phases IV & V – Paving - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	3.1458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.0431</b>	<b>8.4215</b>	<b>14.2781</b>	<b>0.0223</b>		<b>0.4109</b>	<b>0.4109</b>		<b>0.3781</b>	<b>0.3781</b>		<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0253	0.0372	0.3637	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		109.1142	109.1142	4.0500e-003		109.1993
<b>Total</b>	<b>0.0253</b>	<b>0.0372</b>	<b>0.3637</b>	<b>1.6800e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>109.1142</b>	<b>109.1142</b>	<b>4.0500e-003</b>		<b>109.1993</b>

**3.24 Phases IV & V – Paving - 2028**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	3.1458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.0579</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0253	0.0372	0.3637	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		109.1142	109.1142	4.0500e-003		109.1993
<b>Total</b>	<b>0.0253</b>	<b>0.0372</b>	<b>0.3637</b>	<b>1.6800e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>109.1142</b>	<b>109.1142</b>	<b>4.0500e-003</b>		<b>109.1993</b>

**3.24 Phases IV & V – Paving - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	3.1458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.0431</b>	<b>8.4215</b>	<b>14.2781</b>	<b>0.0223</b>		<b>0.4109</b>	<b>0.4109</b>		<b>0.3781</b>	<b>0.3781</b>		<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339
<b>Total</b>	<b>0.0242</b>	<b>0.0356</b>	<b>0.3493</b>	<b>1.6800e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>108.3511</b>	<b>108.3511</b>	<b>3.9400e-003</b>		<b>108.4339</b>



**3.24 Phases IV & V – Paving - 2029**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	3.1458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.0579</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339
<b>Total</b>	<b>0.0242</b>	<b>0.0356</b>	<b>0.3493</b>	<b>1.6800e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>108.3511</b>	<b>108.3511</b>	<b>3.9400e-003</b>		<b>108.4339</b>

**3.25 Phase VI – Site Preparation - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.840 3	3,793.840 3	1.2270		3,819.607 4
<b>Total</b>	<b>2.5083</b>	<b>23.5257</b>	<b>24.8879</b>	<b>0.0392</b>	<b>18.0663</b>	<b>1.0293</b>	<b>19.0956</b>	<b>9.9307</b>	<b>0.9470</b>	<b>10.8776</b>		<b>3,793.840 3</b>	<b>3,793.840 3</b>	<b>1.2270</b>		<b>3,819.607 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	0.0000	0.0000	0.0000	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	0.0291	0.0427	0.4192	2.0200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		130.0213	130.0213	4.7300e-003		130.1207
<b>Total</b>	<b>0.0291</b>	<b>0.0427</b>	<b>0.4192</b>	<b>2.0200e-003</b>	<b>0.1780</b>	<b>1.1800e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.1000e-003</b>	<b>0.0483</b>		<b>130.0213</b>	<b>130.0213</b>	<b>4.7300e-003</b>		<b>130.1207</b>

**3.25 Phase VI – Site Preparation - 2029**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.840 3	3,793.840 3	1.2270		3,819.607 4
<b>Total</b>	<b>1.2300</b>	<b>34.4240</b>	<b>23.4003</b>	<b>0.0392</b>	<b>8.1298</b>	<b>0.9611</b>	<b>9.0909</b>	<b>4.4688</b>	<b>0.9611</b>	<b>5.4299</b>	<b>0.0000</b>	<b>3,793.840 3</b>	<b>3,793.840 3</b>	<b>1.2270</b>		<b>3,819.607 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	0.0000	0.0000	0.0000	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	0.0291	0.0427	0.4192	2.0200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		130.0213	130.0213	4.7300e-003		130.1207
<b>Total</b>	<b>0.0291</b>	<b>0.0427</b>	<b>0.4192</b>	<b>2.0200e-003</b>	<b>0.1780</b>	<b>1.1800e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.1000e-003</b>	<b>0.0483</b>		<b>130.0213</b>	<b>130.0213</b>	<b>4.7300e-003</b>		<b>130.1207</b>

**3.26 Phase VI – Grading - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>3.0022</b>	<b>27.2606</b>	<b>31.3515</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.1867</b>	<b>9.8600</b>	<b>3.5965</b>	<b>1.0918</b>	<b>4.6883</b>		<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0323	0.0475	0.4657	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		144.4682	144.4682	5.2600e-003		144.5786
<b>Total</b>	<b>0.0323</b>	<b>0.0475</b>	<b>0.4657</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.3100e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2200e-003</b>	<b>0.0537</b>		<b>144.4682</b>	<b>144.4682</b>	<b>5.2600e-003</b>		<b>144.5786</b>

**3.26 Phase VI – Grading - 2029**

**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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0323	0.0475	0.4657	2.2500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		144.4682	144.4682	5.2600e-003		144.5786
<b>Total</b>	<b>0.0323</b>	<b>0.0475</b>	<b>0.4657</b>	<b>2.2500e-003</b>	<b>0.1977</b>	<b>1.3100e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2200e-003</b>	<b>0.0537</b>		<b>144.4682</b>	<b>144.4682</b>	<b>5.2600e-003</b>		<b>144.5786</b>

**3.27 Phase VI – Building Construction - 2029**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.3636	14.1752	32.3855	0.0798	2.1640	0.2754	2.4394	0.6179	0.2534	0.8713		7,465.7076	7,465.7076	0.0562		7,466.8886
Worker	2.2487	3.3070	32.4389	0.1564	13.7714	0.0914	13.8628	3.6524	0.0848	3.7373		10,062.2068	10,062.2068	0.3662		10,069.8977
<b>Total</b>	<b>5.6123</b>	<b>17.4822</b>	<b>64.8244</b>	<b>0.2362</b>	<b>15.9353</b>	<b>0.3669</b>	<b>16.3022</b>	<b>4.2704</b>	<b>0.3382</b>	<b>4.6086</b>		<b>17,527.9144</b>	<b>17,527.9144</b>	<b>0.4225</b>		<b>17,536.7863</b>

**3.27 Phase VI – Building Construction - 2029**

**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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.3636	14.1752	32.3855	0.0798	2.1640	0.2754	2.4394	0.6179	0.2534	0.8713		7,465.7076	7,465.7076	0.0562		7,466.8886
Worker	2.2487	3.3070	32.4389	0.1564	13.7714	0.0914	13.8628	3.6524	0.0848	3.7373		10,062.2068	10,062.2068	0.3662		10,069.8977
<b>Total</b>	<b>5.6123</b>	<b>17.4822</b>	<b>64.8244</b>	<b>0.2362</b>	<b>15.9353</b>	<b>0.3669</b>	<b>16.3022</b>	<b>4.2704</b>	<b>0.3382</b>	<b>4.6086</b>		<b>17,527.9144</b>	<b>17,527.9144</b>	<b>0.4225</b>		<b>17,536.7863</b>

**3.28 Phase VI – Architectural Coating - 2029**

**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	827.2786					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>827.4495</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.4504	0.6624	6.4971	0.0313	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		2,015.3307	2,015.3307	0.0734		2,016.8711
<b>Total</b>	<b>0.4504</b>	<b>0.6624</b>	<b>6.4971</b>	<b>0.0313</b>	<b>2.7582</b>	<b>0.0183</b>	<b>2.7765</b>	<b>0.7315</b>	<b>0.0170</b>	<b>0.7485</b>		<b>2,015.3307</b>	<b>2,015.3307</b>	<b>0.0734</b>		<b>2,016.8711</b>



**3.28 Phase VI – Architectural Coating - 2029**

**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	827.2786					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>827.3925</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.4504	0.6624	6.4971	0.0313	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		2,015.3307	2,015.3307	0.0734		2,016.8711
<b>Total</b>	<b>0.4504</b>	<b>0.6624</b>	<b>6.4971</b>	<b>0.0313</b>	<b>2.7582</b>	<b>0.0183</b>	<b>2.7765</b>	<b>0.7315</b>	<b>0.0170</b>	<b>0.7485</b>		<b>2,015.3307</b>	<b>2,015.3307</b>	<b>0.0734</b>		<b>2,016.8711</b>

**3.29 Phase VI – Paving - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	18.8745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>19.7718</b>	<b>8.4215</b>	<b>14.2781</b>	<b>0.0223</b>		<b>0.4109</b>	<b>0.4109</b>		<b>0.3781</b>	<b>0.3781</b>		<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339
<b>Total</b>	<b>0.0242</b>	<b>0.0356</b>	<b>0.3493</b>	<b>1.6800e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>108.3511</b>	<b>108.3511</b>	<b>3.9400e-003</b>		<b>108.4339</b>

**3.29 Phase VI – Paving - 2029**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	18.8745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>19.7866</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0242	0.0356	0.3493	1.6800e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		108.3511	108.3511	3.9400e-003		108.4339
<b>Total</b>	<b>0.0242</b>	<b>0.0356</b>	<b>0.3493</b>	<b>1.6800e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>108.3511</b>	<b>108.3511</b>	<b>3.9400e-003</b>		<b>108.4339</b>

**4.0 Operational Detail - Mobile**

### 4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Increase Transit Accessibility
- Improve Pedestrian Network
- Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.2553	26.2431	119.5671	0.4373	30.3141	0.5330	30.8471	8.1063	0.4919	8.5982		31,817.9122	31,817.9122	0.8696		31,836.1742
Unmitigated	16.1134	30.1763	135.8730	0.5231	36.5186	0.6269	37.1455	9.7654	0.5786	10.3440		38,061.8109	38,061.8109	1.0265		38,083.3677

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	823.75	895.00	758.75	2,095,877	1,739,787
City Park	30.34	30.34	30.34	61,654	51,179
Condo/Townhouse	1,298.23	1,410.52	1,195.79	3,303,102	2,741,904
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	644.10	749.55	378.60	897,003	744,602
Single Family Housing	966.57	1,018.08	885.77	2,445,958	2,030,389
Single Family Housing	2,842.29	2,993.76	2,604.69	7,192,571	5,970,551
<b>Total</b>	<b>6,605.28</b>	<b>7,097.25</b>	<b>5,853.94</b>	<b>15,996,165</b>	<b>13,278,411</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
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.457871	0.042296	0.214250	0.146969	0.067525	0.009931	0.017760	0.024978	0.002423	0.001427	0.009102	0.000742	0.004726

**5.0 Energy Detail**

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	0.4427	3.7836	1.6132	0.0242		0.3059	0.3059		0.3059	0.3059		4,829.5400	4,829.5400	0.0926	0.0885	4,858.9318
NaturalGas Unmitigated	0.5594	4.7808	2.0385	0.0305		0.3865	0.3865		0.3865	0.3865		6,102.3106	6,102.3106	0.1170	0.1119	6,139.4483

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2783.43	0.0300	0.2565	0.1092	1.6400e-003		0.0207	0.0207		0.0207	0.0207		327.4625	327.4625	6.2800e-003	6.0000e-003	329.4554
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	10511	0.1134	0.9687	0.4122	6.1800e-003		0.0783	0.0783		0.0783	0.0783		1,236.5828	1,236.5828	0.0237	0.0227	1,244.1085
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	102.329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Single Family Housing	28709.7	0.3096	2.6458	1.1259	0.0169		0.2139	0.2139		0.2139	0.2139		3,377.6113	3,377.6113	0.0647	0.0619	3,398.1669
Single Family Housing	9763.23	0.1053	0.8998	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.6153	1,148.6153	0.0220	0.0211	1,155.6056
<b>Total</b>		<b>0.5594</b>	<b>4.7808</b>	<b>2.0385</b>	<b>0.0305</b>		<b>0.3865</b>	<b>0.3865</b>		<b>0.3865</b>	<b>0.3865</b>		<b>6,102.3106</b>	<b>6,102.3106</b>	<b>0.1170</b>	<b>0.1119</b>	<b>6,139.4483</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					
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	8.2814	0.0893	0.7632	0.3248	4.8700e-003		0.0617	0.0617		0.0617	0.0617		974.2822	974.2822	0.0187	0.0179	980.2115
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.0767466	8.3000e-004	7.5200e-003	6.3200e-003	5.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		9.0290	9.0290	1.7000e-004	1.7000e-004	9.0840
Single Family Housing	22.7278	0.2451	2.0945	0.8913	0.0134		0.1693	0.1693		0.1693	0.1693		2,673.8553	2,673.8553	0.0513	0.0490	2,690.1280
Single Family Housing	7.72897	0.0834	0.7123	0.3031	4.5500e-003		0.0576	0.0576		0.0576	0.0576		909.2909	909.2909	0.0174	0.0167	914.8247
Apartments Mid Rise	2.2362	0.0241	0.2061	0.0877	1.3200e-003		0.0167	0.0167		0.0167	0.0167		263.0826	263.0826	5.0400e-003	4.8200e-003	264.6837
<b>Total</b>		<b>0.4427</b>	<b>3.7836</b>	<b>1.6132</b>	<b>0.0242</b>		<b>0.3059</b>	<b>0.3059</b>		<b>0.3059</b>	<b>0.3059</b>		<b>4,829.5400</b>	<b>4,829.5400</b>	<b>0.0926</b>	<b>0.0885</b>	<b>4,858.9318</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area



- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	74.4981	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3178	107.3178	0.1028	0.0000	109.4773
Unmitigated	94.0633	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3178	107.3178	0.1028	0.0000	109.4773

### 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	18.0991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	74.1770					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	1.7873	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300		107.3178	107.3178	0.1028		109.4773
<b>Total</b>	<b>94.0634</b>	<b>0.6845</b>	<b>59.4111</b>	<b>3.1500e-003</b>		<b>0.3300</b>	<b>0.3300</b>		<b>0.3300</b>	<b>0.3300</b>	<b>0.0000</b>	<b>107.3178</b>	<b>107.3178</b>	<b>0.1028</b>	<b>0.0000</b>	<b>109.4773</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	4.0797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	68.6310					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	1.7873	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300		107.3178	107.3178	0.1028		109.4773
<b>Total</b>	<b>74.4981</b>	<b>0.6845</b>	<b>59.4111</b>	<b>3.1500e-003</b>		<b>0.3300</b>	<b>0.3300</b>		<b>0.3300</b>	<b>0.3300</b>	<b>0.0000</b>	<b>107.3178</b>	<b>107.3178</b>	<b>0.1028</b>	<b>0.0000</b>	<b>109.4773</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

## 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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**Avila Ranch Development Project Mitigated Project Alternative  
San Luis Obispo County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,590.00	Space	14.31	636,000.00	0
Other Asphalt Surfaces	21.71	Acre	21.71	945,687.60	0
City Park	19.08	Acre	19.08	831,124.80	0
Regional Shopping Center	15.00	1000sqft	1.86	15,000.00	0
Apartments Mid Rise	125.00	Dwelling Unit	4.40	125,000.00	286
Condo/Townhouse	197.00	Dwelling Unit	10.80	197,000.00	451
Single Family Housing	101.00	Dwelling Unit	12.80	181,800.00	232
Single Family Housing	297.00	Dwelling Unit	27.30	534,600.00	680

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.2	<b>Precipitation Freq (Days)</b>	44
<b>Climate Zone</b>	4			<b>Operational Year</b>	2030
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - Taken from MPA description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the MPA table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00

tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	54.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 2

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	3,100.00	665.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	120.00	60.00
tblConstructionPhase	NumDays	220.00	46.00
tblConstructionPhase	NumDays	310.00	125.00
tblConstructionPhase	NumDays	310.00	155.00
tblConstructionPhase	NumDays	220.00	15.00
tblConstructionPhase	NumDays	220.00	55.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	310.00	30.00
tblConstructionPhase	NumDays	3,100.00	100.00
tblConstructionPhase	NumDays	220.00	15.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	35.00



tblConstructionPhase	NumDays	3,100.00	340.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	40.00
tblConstructionPhase	NumDays	310.00	135.00
tblConstructionPhase	NumDays	3,100.00	625.00
tblConstructionPhase	NumDays	220.00	35.00
tblConstructionPhase	NumDays	220.00	30.00
tblConstructionPhase	NumDays	120.00	5.00
tblConstructionPhase	NumDays	310.00	15.00
tblConstructionPhase	NumDays	3,100.00	150.00
tblConstructionPhase	NumDays	220.00	18.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	PhaseStartDate	9/29/2029	9/30/2029
tblGrading	AcresOfGrading	387.50	0.00
tblLandUse	LotAcreage	0.34	1.86
tblLandUse	LotAcreage	3.29	4.40
tblLandUse	LotAcreage	12.31	10.80
tblLandUse	LotAcreage	32.79	12.80
tblLandUse	LotAcreage	96.43	27.30
tblLandUse	Population	358.00	286.00
tblLandUse	Population	563.00	451.00
tblLandUse	Population	289.00	232.00
tblLandUse	Population	849.00	680.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSequestration	NumberOfNewTrees	0.00	525.00
tblSolidWaste	SolidWasteGenerationRate	57.50	121.13
tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	90.62	190.91
tblSolidWaste	SolidWasteGenerationRate	15.75	6.84
tblSolidWaste	SolidWasteGenerationRate	373.92	711.82
tblTripsAndVMT	VendorTripNumber	0.00	475.00
tblTripsAndVMT	VendorTripNumber	475.00	0.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	30.00	18.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	1,393.00
tblTripsAndVMT	WorkerTripNumber	35.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,393.00	279.00
tblWater	IndoorWaterUseRate	8,144,253.20	4,472,304.06
tblWater	IndoorWaterUseRate	12,835,343.05	7,048,351.14
tblWater	IndoorWaterUseRate	1,111,087.82	909,125.22
tblWater	IndoorWaterUseRate	25,931,302.20	17,829,611.92
tblWater	OutdoorWaterUseRate	5,134,420.50	2,859,341.94
tblWater	OutdoorWaterUseRate	22,733,464.15	12,434,472.00
tblWater	OutdoorWaterUseRate	8,091,846.70	4,506,322.86
tblWater	OutdoorWaterUseRate	680,989.31	557,205.78
tblWater	OutdoorWaterUseRate	16,347,994.86	11,399,260.08
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00

tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	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					
2019	8.4292	81.0657	62.7117	0.0877	18.2442	3.8357	22.0799	9.9779	3.5289	13.5067	0.0000	8,634.7569	8,634.7569	2.6936	0.0000	8,691.3216
2020	14.0520	80.6805	160.2496	0.2827	34.0005	3.0020	36.9480	14.2006	2.7618	16.9355	0.0000	23,246.9295	23,246.9295	2.6377	0.0000	23,302.3212
2021	2.8233	20.0344	28.0410	0.0597	2.7582	1.0668	3.8251	0.7315	1.0085	1.7400	0.0000	4,929.2221	4,929.2221	0.7296	0.0000	4,944.5437
2022	2.5727	18.0325	27.1572	0.0597	2.7582	0.9053	3.6635	0.7315	0.8564	1.5879	0.0000	4,896.6395	4,896.6395	0.7199	0.0000	4,911.7566
2023	745.3715	35.0103	116.3297	0.2553	18.2442	1.5556	19.6361	9.9779	1.4311	11.2584	0.0000	20,114.3830	20,114.3830	1.9422	0.0000	20,155.1688
2024	745.3255	33.2116	112.5360	0.2552	18.2442	1.4247	19.4952	9.9779	1.3107	11.1288	0.0000	19,977.7289	19,977.7289	1.9415	0.0000	20,018.4997
2025	745.2873	31.8432	109.5793	0.2552	18.2442	1.1880	19.2747	9.9779	1.0930	10.9259	0.0000	19,857.8993	19,857.8993	1.9407	0.0000	19,898.6543
2026	8.4323	31.4375	106.8521	0.2552	15.9348	1.1880	16.8282	4.2701	1.0930	5.1036	0.0000	19,753.9078	19,753.9078	1.9405	0.0000	19,794.6588
2027	8.0069	31.0739	101.6962	0.2551	15.9350	0.8943	16.8293	4.2702	0.8344	5.1046	0.0000	19,663.1985	19,663.1985	1.0428	0.0000	19,685.0982
2028	426.1259	30.7470	96.8181	0.2550	15.9352	0.8946	16.8298	4.2703	0.8347	5.1050	0.0000	19,585.1725	19,585.1725	1.0326	0.0000	19,606.8571
2029	827.9264	30.5245	95.3237	0.2550	18.2442	1.1880	19.2747	9.9779	1.0930	10.9259	0.0000	19,518.2811	19,518.2811	1.9401	0.0000	19,559.0226
<b>Total</b>	<b>3,534.3530</b>	<b>423.6611</b>	<b>1,017.2945</b>	<b>2.2756</b>	<b>178.5429</b>	<b>17.1430</b>	<b>194.6844</b>	<b>78.3637</b>	<b>15.8453</b>	<b>93.3224</b>	<b>0.0000</b>	<b>180,178.1191</b>	<b>180,178.1191</b>	<b>18.5611</b>	<b>0.0000</b>	<b>180,567.9025</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	94.0633	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3178	107.3178	0.1028	0.0000	109.4773
Energy	0.5594	4.7808	2.0385	0.0305		0.3865	0.3865		0.3865	0.3865		6,102.3106	6,102.3106	0.1170	0.1119	6,139.4483
Mobile	17.3256	31.9380	152.0907	0.5050	36.5186	0.6292	37.1478	9.7654	0.5807	10.3461		36,837.0743	36,837.0743	1.0285		36,858.6728
<b>Total</b>	<b>111.9483</b>	<b>37.4032</b>	<b>213.5403</b>	<b>0.5386</b>	<b>36.5186</b>	<b>1.3456</b>	<b>37.8643</b>	<b>9.7654</b>	<b>1.2972</b>	<b>11.0626</b>	<b>0.0000</b>	<b>43,046.7028</b>	<b>43,046.7028</b>	<b>1.2483</b>	<b>0.1119</b>	<b>43,107.5984</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	74.4981	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3178	107.3178	0.1028	0.0000	109.4773
Energy	0.4427	3.7836	1.6132	0.0242		0.3059	0.3059		0.3059	0.3059		4,829.5400	4,829.5400	0.0926	0.0885	4,858.9318
Mobile	16.4658	27.7553	136.4651	0.4222	30.3141	0.5352	30.8493	8.1063	0.4940	8.6003		30,791.8318	30,791.8318	0.8716		30,810.1354
<b>Total</b>	<b>91.4065</b>	<b>32.2233</b>	<b>197.4894</b>	<b>0.4495</b>	<b>30.3141</b>	<b>1.1711</b>	<b>31.4852</b>	<b>8.1063</b>	<b>1.1299</b>	<b>9.2362</b>	<b>0.0000</b>	<b>35,728.6896</b>	<b>35,728.6896</b>	<b>1.0670</b>	<b>0.0885</b>	<b>35,778.5445</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	18.35	13.85	7.52	16.54	16.99	12.97	16.85	16.99	12.89	16.51	0.00	17.00	17.00	14.52	20.86	17.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Offsite Construction – Site Preparation	Site Preparation	1/1/2019	3/25/2019	5	60	
2	Offsite Construction – Grading	Grading	3/26/2019	10/28/2019	5	155	
3	Offsite Construction – Paving	Paving	10/29/2019	12/31/2019	5	46	
4	Phase I – Site Preparation	Site Preparation	1/1/2020	1/21/2020	5	15	
5	Phase I, III, IV – Grading	Grading	1/22/2020	7/14/2020	5	125	
6	Phase I – Building Construction	Building Construction	7/15/2020	1/31/2023	5	665	
7	Phase I – Paving	Paving	2/1/2023	2/21/2023	5	15	
8	Phase I – Architectural Coating	Architectural Coating	2/22/2023	5/9/2023	5	55	
9	Phase II – Site Preparation	Site Preparation	5/10/2023	5/30/2023	5	15	
10	Phase II – Grading	Grading	5/31/2023	7/11/2023	5	30	
11	Phase II – Building Construction	Building Construction	7/12/2023	11/28/2023	5	100	
12	Phase II – Paving	Paving	11/29/2023	12/19/2023	5	15	
13	Phase II – Architectural Coating	Architectural Coating	12/20/2023	1/16/2024	5	20	
14	Phase III – Site Preparation	Site Preparation	1/17/2024	2/13/2024	5	20	
15	Phase III – Grading	Grading	2/14/2024	4/2/2024	5	35	
16	Phase III – Building Construction	Building Construction	4/3/2024	7/22/2025	5	340	
17	Phase III – Architectural Coating	Architectural Coating	7/23/2025	8/19/2025	5	20	
18	Phase III – Paving	Paving	8/20/2025	9/16/2025	5	20	
19	Phases IV & V – Site Preparation	Site Preparation	9/17/2025	11/11/2025	5	40	

20	Phases IV & V – Grading	Grading	11/12/2025	5/19/2026	5	135
21	Phases IV & V – Building Construction	Building Construction	5/20/2026	10/10/2028	5	625
22	Phases IV & V – Architectural Coating	Architectural Coating	10/11/2028	11/28/2028	5	35
23	Phases IV & V – Paving	Paving	11/29/2028	1/9/2029	5	30
24	Phase VI – Site Preparation	Site Preparation	1/10/2029	1/16/2029	5	5
25	Phase VI – Grading	Grading	1/17/2029	2/6/2029	5	15
26	Phase VI – Building Construction	Building Construction	2/7/2029	9/4/2029	5	150
27	Phase VI – Architectural Coating	Architectural Coating	9/5/2029	9/28/2029	5	18
28	Phase VI – Paving	Paving	9/30/2029	10/5/2029	5	5

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

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

**Acres of Paving: 0**

**Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase I – Building Construction	Air Compressors	1	6.00	78	0.48
Offsite Construction – Site Preparation	Excavators	3	8.00	162	0.38
Offsite Construction – Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Offsite Construction – Paving	Excavators	2	8.00	162	0.38
Phase I – Site Preparation	Cranes	1	7.00	226	0.29
Phase I – Site Preparation	Forklifts	3	8.00	89	0.20
Phase I – Site Preparation	Generator Sets	1	8.00	84	0.74
Phase I, III, IV – Grading	Pavers	2	8.00	125	0.42
Phase I, III, IV – Grading	Rollers	2	8.00	80	0.38



Offsite Construction – Site Preparation	Rubber Tired Dozers	2	8.00	255	0.40
Offsite Construction – Paving	Rubber Tired Dozers	1	8.00	255	0.40
Phase I – Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Offsite Construction – Paving	Graders	1	8.00	174	0.41
Offsite Construction – Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Offsite Construction – Grading	Rubber Tired Dozers	3	8.00	255	0.40
Offsite Construction – Paving	Scrapers	2	8.00	361	0.48
Phase I – Site Preparation	Welders	1	8.00	46	0.45
Phase II – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase III – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phases IV & V – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase VI – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase I – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase II – Building Construction	Cranes	1	7.00	226	0.29
Phase III – Building Construction	Cranes	1	7.00	226	0.29
Phases IV & V – Building Construction	Cranes	1	7.00	226	0.29
Phase VI – Building Construction	Cranes	1	7.00	226	0.29
Phase I – Building Construction	Cranes	1	7.00	226	0.29
Phase II – Grading	Excavators	2	8.00	162	0.38
Phase III – Grading	Excavators	2	8.00	162	0.38
Offsite Construction – Grading	Excavators	2	8.00	162	0.38
Phases IV & V – Grading	Excavators	2	8.00	162	0.38
Phase VI – Grading	Excavators	2	8.00	162	0.38
Phase I, III, IV – Grading	Excavators	2	8.00	162	0.38
Phase II – Building Construction	Forklifts	3	8.00	89	0.20
Phase III – Building Construction	Forklifts	3	8.00	89	0.20

Phases IV & V – Building Construction	Forklifts	3	8.00	89	0.20
Phase VI – Building Construction	Forklifts	3	8.00	89	0.20
Phase I – Building Construction	Forklifts	3	8.00	89	0.20
Phase II – Building Construction	Generator Sets	1	8.00	84	0.74
Phase III – Building Construction	Generator Sets	1	8.00	84	0.74
Phases IV & V – Building Construction	Generator Sets	1	8.00	84	0.74
Phase VI – Building Construction	Generator Sets	1	8.00	84	0.74
Phase I – Building Construction	Generator Sets	1	8.00	84	0.74
Phase II – Grading	Graders	1	8.00	174	0.41
Phase III – Grading	Graders	1	8.00	174	0.41
Offsite Construction – Grading	Graders	1	8.00	174	0.41
Phases IV & V – Grading	Graders	1	8.00	174	0.41
Phase VI – Grading	Graders	1	8.00	174	0.41
Phase I, III, IV – Grading	Graders	1	8.00	174	0.41
Phase II – Paving	Pavers	2	8.00	125	0.42
Phase III – Paving	Pavers	2	8.00	125	0.42
Phases IV & V – Paving	Pavers	2	8.00	125	0.42
Phase VI – Paving	Pavers	2	8.00	125	0.42
Offsite Construction – Paving	Pavers	2	8.00	125	0.42
Phase I – Paving	Pavers	2	8.00	125	0.42
Phase II – Paving	Paving Equipment	2	8.00	130	0.36
Phase III – Paving	Paving Equipment	2	8.00	130	0.36
Phases IV & V – Paving	Paving Equipment	2	8.00	130	0.36
Phase VI – Paving	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Paving	Paving Equipment	2	8.00	130	0.36
Phase I – Paving	Paving Equipment	2	8.00	130	0.36
Phase II – Paving	Rollers	2	8.00	80	0.38
Phase III – Paving	Rollers	2	8.00	80	0.38

Phases IV & V – Paving	Rollers	2	8.00	80	0.38
Phase VI – Paving	Rollers	2	8.00	80	0.38
Offsite Construction – Paving	Rollers	2	8.00	80	0.38
Phase I – Paving	Rollers	2	8.00	80	0.38
Phase II – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phases IV & V – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase VI – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase I, III, IV – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phases IV & V – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase VI – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase I – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Grading	Scrapers	2	8.00	361	0.48
Phase III – Grading	Scrapers	2	8.00	361	0.48
Offsite Construction – Grading	Scrapers	2	8.00	361	0.48
Phases IV & V – Grading	Scrapers	2	8.00	361	0.48
Phase VI – Grading	Scrapers	2	8.00	361	0.48
Phase I, III, IV – Grading	Scrapers	2	8.00	361	0.48
Phase II – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase III – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phases IV & V – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase VI – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase I – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase II – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase III – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phases IV & V – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Phase VI – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Offsite Construction – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase III – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phases IV & V – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase VI – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Building Construction	Welders	1	8.00	46	0.45
Phase III – Building Construction	Welders	1	8.00	46	0.45
Phases IV & V – Building Construction	Welders	1	8.00	46	0.45
Phase VI – Building Construction	Welders	1	8.00	46	0.45
Phase I – Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Offsite Construction – Site Preparation	10	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Grading	12	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Paving	14	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Site Preparation	12	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I, III, IV – Grading	14	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Building Construction	10	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Phase III – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Offsite Construction – Site Preparation - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	4.2536	43.2907	40.0157	0.0524		2.2690	2.2690		2.1058	2.1058		5,159.400 1	5,159.400 1	1.4866		5,190.618 3
<b>Total</b>	<b>4.2536</b>	<b>43.2907</b>	<b>40.0157</b>	<b>0.0524</b>	<b>12.0442</b>	<b>2.2690</b>	<b>14.3131</b>	<b>6.6205</b>	<b>2.1058</b>	<b>8.7262</b>		<b>5,159.400 1</b>	<b>5,159.400 1</b>	<b>1.4866</b>		<b>5,190.618 3</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	0.0454	0.0748	0.6268	1.6100e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		119.9921	119.9921	5.9700e-003		120.1175
<b>Total</b>	<b>0.0454</b>	<b>0.0748</b>	<b>0.6268</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.9000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>119.9921</b>	<b>119.9921</b>	<b>5.9700e-003</b>		<b>120.1175</b>

### 3.2 Offsite Construction – Site Preparation - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4199	0.0000	5.4199	2.9792	0.0000	2.9792			0.0000			0.0000
Off-Road	1.8728	45.4945	34.6332	0.0524		1.4199	1.4199		1.4199	1.4199	0.0000	5,159.400 1	5,159.400 1	1.4866		5,190.618 3
<b>Total</b>	<b>1.8728</b>	<b>45.4945</b>	<b>34.6332</b>	<b>0.0524</b>	<b>5.4199</b>	<b>1.4199</b>	<b>6.8398</b>	<b>2.9792</b>	<b>1.4199</b>	<b>4.3991</b>	<b>0.0000</b>	<b>5,159.400 1</b>	<b>5,159.400 1</b>	<b>1.4866</b>		<b>5,190.618 3</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	0.0454	0.0748	0.6268	1.6100e-003	0.1483	9.9000e-004	0.1493	0.0393	9.1000e-004	0.0402		119.9921	119.9921	5.9700e-003		120.1175
<b>Total</b>	<b>0.0454</b>	<b>0.0748</b>	<b>0.6268</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.9000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>119.9921</b>	<b>119.9921</b>	<b>5.9700e-003</b>		<b>120.1175</b>

### 3.3 Offsite Construction – 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	7.4152	80.9760	61.9596	0.0857		3.8345	3.8345		3.5278	3.5278		8,490.7664	8,490.7664	2.6864		8,547.1806
<b>Total</b>	<b>7.4152</b>	<b>80.9760</b>	<b>61.9596</b>	<b>0.0857</b>	<b>18.0663</b>	<b>3.8345</b>	<b>21.9008</b>	<b>9.9307</b>	<b>3.5278</b>	<b>13.4585</b>		<b>8,490.7664</b>	<b>8,490.7664</b>	<b>2.6864</b>		<b>8,547.1806</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	0.0545	0.0897	0.7522	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		143.9905	143.9905	7.1700e-003		144.1410
<b>Total</b>	<b>0.0545</b>	<b>0.0897</b>	<b>0.7522</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1800e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.1000e-003</b>	<b>0.0483</b>		<b>143.9905</b>	<b>143.9905</b>	<b>7.1700e-003</b>		<b>144.1410</b>



### 3.3 Offsite Construction – 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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000				0.0000
Off-Road	2.6151	71.8913	51.9820	0.0857		1.9380	1.9380		1.9380	1.9380	0.0000	8,490.7664	8,490.7664	2.6864			8,547.1805
<b>Total</b>	<b>2.6151</b>	<b>71.8913</b>	<b>51.9820</b>	<b>0.0857</b>	<b>8.1298</b>	<b>1.9380</b>	<b>10.0678</b>	<b>4.4688</b>	<b>1.9380</b>	<b>6.4068</b>	<b>0.0000</b>	<b>8,490.7664</b>	<b>8,490.7664</b>	<b>2.6864</b>			<b>8,547.1805</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	0.0545	0.0897	0.7522	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		143.9905	143.9905	7.1700e-003			144.1410
<b>Total</b>	<b>0.0545</b>	<b>0.0897</b>	<b>0.7522</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1800e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.1000e-003</b>	<b>0.0483</b>		<b>143.9905</b>	<b>143.9905</b>	<b>7.1700e-003</b>			<b>144.1410</b>

### 3.4 Offsite Construction – 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	6.3170	69.1331	54.6540	0.0840		3.3143	3.3143		3.0492	3.0492		8,320.285 2	8,320.285 2	2.6325		8,375.566 7
Paving	2.0516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>8.3686</b>	<b>69.1331</b>	<b>54.6540</b>	<b>0.0840</b>		<b>3.3143</b>	<b>3.3143</b>		<b>3.0492</b>	<b>3.0492</b>		<b>8,320.285 2</b>	<b>8,320.285 2</b>	<b>2.6325</b>		<b>8,375.566 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	0.0000	0.0000	0.0000	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	0.0605	0.0997	0.8357	2.1500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		159.9895	159.9895	7.9600e-003		160.1567
<b>Total</b>	<b>0.0605</b>	<b>0.0997</b>	<b>0.8357</b>	<b>2.1500e-003</b>	<b>0.1977</b>	<b>1.3100e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2200e-003</b>	<b>0.0537</b>		<b>159.9895</b>	<b>159.9895</b>	<b>7.9600e-003</b>		<b>160.1567</b>

### 3.4 Offsite Construction – 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	2.8043	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,320.285 2	8,320.285 2	2.6325		8,375.566 7
Paving	2.0516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.8559</b>	<b>70.6463</b>	<b>54.8708</b>	<b>0.0840</b>		<b>2.0325</b>	<b>2.0325</b>		<b>2.0325</b>	<b>2.0325</b>	<b>0.0000</b>	<b>8,320.285 2</b>	<b>8,320.285 2</b>	<b>2.6325</b>		<b>8,375.566 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	0.0000	0.0000	0.0000	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	0.0605	0.0997	0.8357	2.1500e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		159.9895	159.9895	7.9600e-003		160.1567
<b>Total</b>	<b>0.0605</b>	<b>0.0997</b>	<b>0.8357</b>	<b>2.1500e-003</b>	<b>0.1977</b>	<b>1.3100e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2200e-003</b>	<b>0.0537</b>		<b>159.9895</b>	<b>159.9895</b>	<b>7.9600e-003</b>		<b>160.1567</b>

**3.5 Phase I – Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9983	49.5273	40.6161	0.0535		2.5112	2.5112		2.3330	2.3330		5,131.6875	5,131.6875	1.4568		5,162.2811
<b>Total</b>	<b>4.9983</b>	<b>49.5273</b>	<b>40.6161</b>	<b>0.0535</b>	<b>18.0663</b>	<b>2.5112</b>	<b>20.5775</b>	<b>9.9307</b>	<b>2.3330</b>	<b>12.2637</b>		<b>5,131.6875</b>	<b>5,131.6875</b>	<b>1.4568</b>		<b>5,162.2811</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	5.2455	24.8458	67.2689	0.0798	2.1628	0.3466	2.5094	0.6175	0.3188	0.9362		7,420.4746	7,420.4746	0.0606		7,421.7469
Worker	3.8082	6.3074	52.3646	0.1494	13.7714	0.0898	13.8612	3.6524	0.0832	3.7357		10,694.7674	10,694.7674	0.5159		10,705.6016
<b>Total</b>	<b>9.0537</b>	<b>31.1532</b>	<b>119.6335</b>	<b>0.2292</b>	<b>15.9342</b>	<b>0.4364</b>	<b>16.3706</b>	<b>4.2699</b>	<b>0.4020</b>	<b>4.6719</b>		<b>18,115.2420</b>	<b>18,115.2420</b>	<b>0.5765</b>		<b>18,127.3485</b>

**3.5 Phase I – Site Preparation - 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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.7258	45.8587	31.8476	0.0535		1.3765	1.3765		1.3765	1.3765	0.0000	5,131.6875	5,131.6875	1.4568		5,162.2811
<b>Total</b>	<b>1.7258</b>	<b>45.8587</b>	<b>31.8476</b>	<b>0.0535</b>	<b>8.1298</b>	<b>1.3765</b>	<b>9.5063</b>	<b>4.4688</b>	<b>1.3765</b>	<b>5.8453</b>	<b>0.0000</b>	<b>5,131.6875</b>	<b>5,131.6875</b>	<b>1.4568</b>		<b>5,162.2811</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	5.2455	24.8458	67.2689	0.0798	2.1628	0.3466	2.5094	0.6175	0.3188	0.9362		7,420.4746	7,420.4746	0.0606		7,421.7469
Worker	3.8082	6.3074	52.3646	0.1494	13.7714	0.0898	13.8612	3.6524	0.0832	3.7357		10,694.7674	10,694.7674	0.5159		10,705.6016
<b>Total</b>	<b>9.0537</b>	<b>31.1532</b>	<b>119.6335</b>	<b>0.2292</b>	<b>15.9342</b>	<b>0.4364</b>	<b>16.3706</b>	<b>4.2699</b>	<b>0.4020</b>	<b>4.6719</b>		<b>18,115.2420</b>	<b>18,115.2420</b>	<b>0.5765</b>		<b>18,127.3485</b>

**3.6 Phase I, III, IV – 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.8802	63.1684	52.7780	0.0840		3.0010	3.0010		2.7609	2.7609		8,138.4659	8,138.4659	2.6321		8,193.7410
<b>Total</b>	<b>5.8802</b>	<b>63.1684</b>	<b>52.7780</b>	<b>0.0840</b>	<b>8.6733</b>	<b>3.0010</b>	<b>11.6743</b>	<b>3.5965</b>	<b>2.7609</b>	<b>6.3574</b>		<b>8,138.4659</b>	<b>8,138.4659</b>	<b>2.6321</b>		<b>8,193.7410</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	0.0410	0.0679	0.5639	1.6100e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		115.1626	115.1626	5.5600e-003		115.2793
<b>Total</b>	<b>0.0410</b>	<b>0.0679</b>	<b>0.5639</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.7000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.0000e-004</b>	<b>0.0402</b>		<b>115.1626</b>	<b>115.1626</b>	<b>5.5600e-003</b>		<b>115.2793</b>

**3.6 Phase I, III, IV – 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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	2.8043	70.6463	54.8708	0.0840		2.0325	2.0325		2.0325	2.0325	0.0000	8,138.4659	8,138.4659	2.6321		8,193.7410
<b>Total</b>	<b>2.8043</b>	<b>70.6463</b>	<b>54.8708</b>	<b>0.0840</b>	<b>3.9030</b>	<b>2.0325</b>	<b>5.9355</b>	<b>1.6184</b>	<b>2.0325</b>	<b>3.6509</b>	<b>0.0000</b>	<b>8,138.4659</b>	<b>8,138.4659</b>	<b>2.6321</b>		<b>8,193.7410</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	0.0410	0.0679	0.5639	1.6100e-003	0.1483	9.7000e-004	0.1493	0.0393	9.0000e-004	0.0402		115.1626	115.1626	5.5600e-003		115.2793
<b>Total</b>	<b>0.0410</b>	<b>0.0679</b>	<b>0.5639</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.7000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.0000e-004</b>	<b>0.0402</b>		<b>115.1626</b>	<b>115.1626</b>	<b>5.5600e-003</b>		<b>115.2793</b>

### 3.7 Phase I – Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3534	20.7678	18.6399	0.0298		1.2238	1.2238		1.1574	1.1574		2,823.9280	2,823.9280	0.6412		2,837.3937
<b>Total</b>	<b>2.3534</b>	<b>20.7678</b>	<b>18.6399</b>	<b>0.0298</b>		<b>1.2238</b>	<b>1.2238</b>		<b>1.1574</b>	<b>1.1574</b>		<b>2,823.9280</b>	<b>2,823.9280</b>	<b>0.6412</b>		<b>2,837.3937</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	0.7627	1.2633	10.4880	0.0299	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,142.0245	2,142.0245	0.1033		2,144.1944
<b>Total</b>	<b>0.7627</b>	<b>1.2633</b>	<b>10.4880</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0180</b>	<b>2.7762</b>	<b>0.7315</b>	<b>0.0167</b>	<b>0.7482</b>		<b>2,142.0245</b>	<b>2,142.0245</b>	<b>0.1033</b>		<b>2,144.1944</b>



### 3.7 Phase I – Building 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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,823.9280	2,823.9280	0.6412		2,837.3937
<b>Total</b>	<b>1.1921</b>	<b>25.8140</b>	<b>19.6480</b>	<b>0.0298</b>		<b>0.9967</b>	<b>0.9967</b>		<b>0.9967</b>	<b>0.9967</b>	<b>0.0000</b>	<b>2,823.9280</b>	<b>2,823.9280</b>	<b>0.6412</b>		<b>2,837.3937</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	0.7627	1.2633	10.4880	0.0299	2.7582	0.0180	2.7762	0.7315	0.0167	0.7482		2,142.0245	2,142.0245	0.1033		2,144.1944
<b>Total</b>	<b>0.7627</b>	<b>1.2633</b>	<b>10.4880</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0180</b>	<b>2.7762</b>	<b>0.7315</b>	<b>0.0167</b>	<b>0.7482</b>		<b>2,142.0245</b>	<b>2,142.0245</b>	<b>0.1033</b>		<b>2,144.1944</b>

**3.7 Phase I – Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1120	18.8671	18.3552	0.0298		1.0490	1.0490		0.9919	0.9919		2,824.2298	2,824.2298	0.6319		2,837.4998
<b>Total</b>	<b>2.1120</b>	<b>18.8671</b>	<b>18.3552</b>	<b>0.0298</b>		<b>1.0490</b>	<b>1.0490</b>		<b>0.9919</b>	<b>0.9919</b>		<b>2,824.2298</b>	<b>2,824.2298</b>	<b>0.6319</b>		<b>2,837.4998</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	0.7113	1.1673	9.6858	0.0299	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,104.9923	2,104.9923	0.0977		2,107.0439
<b>Total</b>	<b>0.7113</b>	<b>1.1673</b>	<b>9.6858</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0179</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0166</b>	<b>0.7481</b>		<b>2,104.9923</b>	<b>2,104.9923</b>	<b>0.0977</b>		<b>2,107.0439</b>

**3.7 Phase I – Building 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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,824.2298	2,824.2298	0.6319		2,837.4998
<b>Total</b>	<b>1.1921</b>	<b>25.8140</b>	<b>19.6480</b>	<b>0.0298</b>		<b>0.9967</b>	<b>0.9967</b>		<b>0.9967</b>	<b>0.9967</b>	<b>0.0000</b>	<b>2,824.2298</b>	<b>2,824.2298</b>	<b>0.6319</b>		<b>2,837.4998</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	0.7113	1.1673	9.6858	0.0299	2.7582	0.0179	2.7761	0.7315	0.0166	0.7481		2,104.9923	2,104.9923	0.0977		2,107.0439
<b>Total</b>	<b>0.7113</b>	<b>1.1673</b>	<b>9.6858</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0179</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0166</b>	<b>0.7481</b>		<b>2,104.9923</b>	<b>2,104.9923</b>	<b>0.0977</b>		<b>2,107.0439</b>

### 3.7 Phase I – Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9037	16.9449	18.1412	0.0298		0.8874	0.8874		0.8398	0.8398		2,825.1977	2,825.1977	0.6269		2,838.3615
<b>Total</b>	<b>1.9037</b>	<b>16.9449</b>	<b>18.1412</b>	<b>0.0298</b>		<b>0.8874</b>	<b>0.8874</b>		<b>0.8398</b>	<b>0.8398</b>		<b>2,825.1977</b>	<b>2,825.1977</b>	<b>0.6269</b>		<b>2,838.3615</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	0.6690	1.0877	9.0161	0.0299	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,071.4418	2,071.4418	0.0930		2,073.3951
<b>Total</b>	<b>0.6690</b>	<b>1.0877</b>	<b>9.0161</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7481</b>		<b>2,071.4418</b>	<b>2,071.4418</b>	<b>0.0930</b>		<b>2,073.3951</b>

### 3.7 Phase I – Building 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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,825.1977	2,825.1977	0.6269		2,838.3615
<b>Total</b>	<b>1.1921</b>	<b>25.8140</b>	<b>19.6480</b>	<b>0.0298</b>		<b>0.9967</b>	<b>0.9967</b>		<b>0.9967</b>	<b>0.9967</b>	<b>0.0000</b>	<b>2,825.1977</b>	<b>2,825.1977</b>	<b>0.6269</b>		<b>2,838.3615</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	0.6690	1.0877	9.0161	0.0299	2.7582	0.0178	2.7761	0.7315	0.0165	0.7481		2,071.4418	2,071.4418	0.0930		2,073.3951
<b>Total</b>	<b>0.6690</b>	<b>1.0877</b>	<b>9.0161</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7481</b>		<b>2,071.4418</b>	<b>2,071.4418</b>	<b>0.0930</b>		<b>2,073.3951</b>

### 3.7 Phase I – Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7578	15.6156	18.0204	0.0298		0.7675	0.7675		0.7265	0.7265		2,826.0743	2,826.0743	0.6213		2,839.1208
<b>Total</b>	<b>1.7578</b>	<b>15.6156</b>	<b>18.0204</b>	<b>0.0298</b>		<b>0.7675</b>	<b>0.7675</b>		<b>0.7265</b>	<b>0.7265</b>		<b>2,826.0743</b>	<b>2,826.0743</b>	<b>0.6213</b>		<b>2,839.1208</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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
<b>Total</b>	<b>0.6291</b>	<b>1.0156</b>	<b>8.3816</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,040.8695</b>	<b>2,040.8695</b>	<b>0.0888</b>		<b>2,042.7353</b>

**3.7 Phase I – Building Construction - 2023**

**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	1.1921	25.8140	19.6480	0.0298		0.9967	0.9967		0.9967	0.9967	0.0000	2,826.0743	2,826.0743	0.6213		2,839.1208
<b>Total</b>	<b>1.1921</b>	<b>25.8140</b>	<b>19.6480</b>	<b>0.0298</b>		<b>0.9967</b>	<b>0.9967</b>		<b>0.9967</b>	<b>0.9967</b>	<b>0.0000</b>	<b>2,826.0743</b>	<b>2,826.0743</b>	<b>0.6213</b>		<b>2,839.1208</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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
<b>Total</b>	<b>0.6291</b>	<b>1.0156</b>	<b>8.3816</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,040.8695</b>	<b>2,040.8695</b>	<b>0.0888</b>		<b>2,042.7353</b>

### 3.8 Phase I – Paving - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0128	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	6.2915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>7.3043</b>	<b>9.9983</b>	<b>14.2850</b>	<b>0.0223</b>		<b>0.5010</b>	<b>0.5010</b>		<b>0.4609</b>	<b>0.4609</b>		<b>2,160.6139</b>	<b>2,160.6139</b>	<b>0.6988</b>		<b>2,175.2884</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	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245
<b>Total</b>	<b>0.0338</b>	<b>0.0546</b>	<b>0.4506</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>109.7242</b>	<b>109.7242</b>	<b>4.7800e-003</b>		<b>109.8245</b>



### 3.8 Phase I – Paving - 2023

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	6.2915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>7.2036</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,160.6139</b>	<b>2,160.6139</b>	<b>0.6988</b>		<b>2,175.2884</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	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245
<b>Total</b>	<b>0.0338</b>	<b>0.0546</b>	<b>0.4506</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>109.7242</b>	<b>109.7242</b>	<b>4.7800e-003</b>		<b>109.8245</b>

### 3.9 Phase I – Architectural Coating - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	270.7457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
<b>Total</b>	<b>270.9374</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8017</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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
<b>Total</b>	<b>0.6291</b>	<b>1.0156</b>	<b>8.3816</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,040.8695</b>	<b>2,040.8695</b>	<b>0.0888</b>		<b>2,042.7353</b>

### 3.9 Phase I – Architectural Coating - 2023

#### 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	270.7457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017
<b>Total</b>	<b>270.8596</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8017</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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
<b>Total</b>	<b>0.6291</b>	<b>1.0156</b>	<b>8.3816</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,040.8695</b>	<b>2,040.8695</b>	<b>0.0888</b>		<b>2,042.7353</b>

**3.10 Phase II – Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.0157	29.9342	28.8193	0.0392		1.3907	1.3907		1.2795	1.2795		3,793.9535	3,793.9535	1.2270		3,819.7214
<b>Total</b>	<b>3.0157</b>	<b>29.9342</b>	<b>28.8193</b>	<b>0.0392</b>	<b>18.0663</b>	<b>1.3907</b>	<b>19.4570</b>	<b>9.9307</b>	<b>1.2795</b>	<b>11.2102</b>		<b>3,793.9535</b>	<b>3,793.9535</b>	<b>1.2270</b>		<b>3,819.7214</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	0.0406	0.0655	0.5408	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		131.6690	131.6690	5.7300e-003		131.7894
<b>Total</b>	<b>0.0406</b>	<b>0.0655</b>	<b>0.5408</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0600e-003</b>	<b>0.0483</b>		<b>131.6690</b>	<b>131.6690</b>	<b>5.7300e-003</b>		<b>131.7894</b>

**3.10 Phase II – Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.9535	3,793.9535	1.2270		3,819.7214
<b>Total</b>	<b>1.2300</b>	<b>34.4240</b>	<b>23.4003</b>	<b>0.0392</b>	<b>8.1298</b>	<b>0.9611</b>	<b>9.0909</b>	<b>4.4688</b>	<b>0.9611</b>	<b>5.4299</b>	<b>0.0000</b>	<b>3,793.9535</b>	<b>3,793.9535</b>	<b>1.2270</b>		<b>3,819.7214</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	0.0406	0.0655	0.5408	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		131.6690	131.6690	5.7300e-003		131.7894
<b>Total</b>	<b>0.0406</b>	<b>0.0655</b>	<b>0.5408</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0600e-003</b>	<b>0.0483</b>		<b>131.6690</b>	<b>131.6690</b>	<b>5.7300e-003</b>		<b>131.7894</b>

**3.11 Phase II – Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.5314	34.9375	34.1888	0.0618		1.5543	1.5543		1.4300	1.4300		5,985.4359	5,985.4359	1.9358		6,026.0879
<b>Total</b>	<b>3.5314</b>	<b>34.9375</b>	<b>34.1888</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.5543</b>	<b>10.2276</b>	<b>3.5965</b>	<b>1.4300</b>	<b>5.0265</b>		<b>5,985.4359</b>	<b>5,985.4359</b>	<b>1.9358</b>		<b>6,026.0879</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	0.0451	0.0728	0.6008	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		146.2989	146.2989	6.3700e-003		146.4326
<b>Total</b>	<b>0.0451</b>	<b>0.0728</b>	<b>0.6008</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.2700e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1800e-003</b>	<b>0.0536</b>		<b>146.2989</b>	<b>146.2989</b>	<b>6.3700e-003</b>		<b>146.4326</b>

**3.11 Phase II – Grading - 2023**

**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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,985.4359	5,985.4359	1.9358		6,026.0879
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,985.4359</b>	<b>5,985.4359</b>	<b>1.9358</b>		<b>6,026.0879</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	0.0451	0.0728	0.6008	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		146.2989	146.2989	6.3700e-003		146.4326
<b>Total</b>	<b>0.0451</b>	<b>0.0728</b>	<b>0.6008</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.2700e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1800e-003</b>	<b>0.0536</b>		<b>146.2989</b>	<b>146.2989</b>	<b>6.3700e-003</b>		<b>146.4326</b>

### 3.12 Phase II – Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>		<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	4.4520	15.2368	58.2727	0.0793	2.1632	0.2779	2.4410	0.6176	0.2556	0.8732		7,380.039 0	7,380.039 0	0.0585		7,381.266 4
Worker	3.1409	5.0708	41.8478	0.1492	13.7714	0.0888	13.8602	3.6524	0.0824	3.7348		10,189.71 78	10,189.71 78	0.4436		10,199.03 30
<b>Total</b>	<b>7.5930</b>	<b>20.3076</b>	<b>100.1205</b>	<b>0.2284</b>	<b>15.9346</b>	<b>0.3666</b>	<b>16.3012</b>	<b>4.2700</b>	<b>0.3380</b>	<b>4.6080</b>		<b>17,569.75 68</b>	<b>17,569.75 68</b>	<b>0.5020</b>		<b>17,580.29 94</b>



**3.12 Phase II – Building Construction - 2023**

**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	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0268</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,544.6262</b>	<b>2,544.6262</b>	<b>0.6044</b>		<b>2,557.3191</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	4.4520	15.2368	58.2727	0.0793	2.1632	0.2779	2.4410	0.6176	0.2556	0.8732		7,380.0390	7,380.0390	0.0585		7,381.2664
Worker	3.1409	5.0708	41.8478	0.1492	13.7714	0.0888	13.8602	3.6524	0.0824	3.7348		10,189.7178	10,189.7178	0.4436		10,199.0330
<b>Total</b>	<b>7.5930</b>	<b>20.3076</b>	<b>100.1205</b>	<b>0.2284</b>	<b>15.9346</b>	<b>0.3666</b>	<b>16.3012</b>	<b>4.2700</b>	<b>0.3380</b>	<b>4.6080</b>		<b>17,569.7568</b>	<b>17,569.7568</b>	<b>0.5020</b>		<b>17,580.2994</b>

**3.13 Phase II – Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0128	9.9983	14.2850	0.0223		0.5010	0.5010		0.4609	0.4609		2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	6.2915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>7.3043</b>	<b>9.9983</b>	<b>14.2850</b>	<b>0.0223</b>		<b>0.5010</b>	<b>0.5010</b>		<b>0.4609</b>	<b>0.4609</b>		<b>2,160.6139</b>	<b>2,160.6139</b>	<b>0.6988</b>		<b>2,175.2884</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	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245
<b>Total</b>	<b>0.0338</b>	<b>0.0546</b>	<b>0.4506</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>109.7242</b>	<b>109.7242</b>	<b>4.7800e-003</b>		<b>109.8245</b>

**3.13 Phase II – Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,160.6139	2,160.6139	0.6988		2,175.2884
Paving	6.2915					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>7.2036</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,160.6139</b>	<b>2,160.6139</b>	<b>0.6988</b>		<b>2,175.2884</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	0.0338	0.0546	0.4506	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		109.7242	109.7242	4.7800e-003		109.8245
<b>Total</b>	<b>0.0338</b>	<b>0.0546</b>	<b>0.4506</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>109.7242</b>	<b>109.7242</b>	<b>4.7800e-003</b>		<b>109.8245</b>

**3.14 Phase II – Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
<b>Total</b>	<b>744.7424</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8017</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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
<b>Total</b>	<b>0.6291</b>	<b>1.0156</b>	<b>8.3816</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,040.8695</b>	<b>2,040.8695</b>	<b>0.0888</b>		<b>2,042.7353</b>

### 3.14 Phase II – Architectural Coating - 2023

#### 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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8017
<b>Total</b>	<b>744.6647</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8017</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	0.6291	1.0156	8.3816	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,040.8695	2,040.8695	0.0888		2,042.7353
<b>Total</b>	<b>0.6291</b>	<b>1.0156</b>	<b>8.3816</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,040.8695</b>	<b>2,040.8695</b>	<b>0.0888</b>		<b>2,042.7353</b>

### 3.14 Phase II – Architectural Coating - 2024

#### 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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
<b>Total</b>	<b>744.7315</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.7809</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	0.5940	0.9533	7.8679	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,013.3374	2,013.3374	0.0852		2,015.1274
<b>Total</b>	<b>0.5940</b>	<b>0.9533</b>	<b>7.8679</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,013.3374</b>	<b>2,013.3374</b>	<b>0.0852</b>		<b>2,015.1274</b>

### 3.14 Phase II – Architectural Coating - 2024

#### 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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.7809
<b>Total</b>	<b>744.6647</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.7809</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	0.5940	0.9533	7.8679	0.0299	2.7582	0.0178	2.7760	0.7315	0.0165	0.7480		2,013.3374	2,013.3374	0.0852		2,015.1274
<b>Total</b>	<b>0.5940</b>	<b>0.9533</b>	<b>7.8679</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7760</b>	<b>0.7315</b>	<b>0.0165</b>	<b>0.7480</b>		<b>2,013.3374</b>	<b>2,013.3374</b>	<b>0.0852</b>		<b>2,015.1274</b>

**3.15 Phase III – Site Preparation - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.8238	27.5450	27.6020	0.0392		1.2498	1.2498		1.1498	1.1498		3,794.3149	3,794.3149	1.2272		3,820.0852
<b>Total</b>	<b>2.8238</b>	<b>27.5450</b>	<b>27.6020</b>	<b>0.0392</b>	<b>18.0663</b>	<b>1.2498</b>	<b>19.3161</b>	<b>9.9307</b>	<b>1.1498</b>	<b>11.0805</b>		<b>3,794.3149</b>	<b>3,794.3149</b>	<b>1.2272</b>		<b>3,820.0852</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	0.0383	0.0615	0.5076	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		129.8927	129.8927	5.5000e-003		130.0082
<b>Total</b>	<b>0.0383</b>	<b>0.0615</b>	<b>0.5076</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0600e-003</b>	<b>0.0483</b>		<b>129.8927</b>	<b>129.8927</b>	<b>5.5000e-003</b>		<b>130.0082</b>



**3.15 Phase III – Site Preparation - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,794.3149	3,794.3149	1.2272		3,820.0852
<b>Total</b>	<b>1.2300</b>	<b>34.4240</b>	<b>23.4003</b>	<b>0.0392</b>	<b>8.1298</b>	<b>0.9611</b>	<b>9.0909</b>	<b>4.4688</b>	<b>0.9611</b>	<b>5.4299</b>	<b>0.0000</b>	<b>3,794.3149</b>	<b>3,794.3149</b>	<b>1.2272</b>		<b>3,820.0852</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	0.0383	0.0615	0.5076	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0600e-003	0.0483		129.8927	129.8927	5.5000e-003		130.0082
<b>Total</b>	<b>0.0383</b>	<b>0.0615</b>	<b>0.5076</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0600e-003</b>	<b>0.0483</b>		<b>129.8927</b>	<b>129.8927</b>	<b>5.5000e-003</b>		<b>130.0082</b>

**3.16 Phase III – Grading - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.3599	32.1927	33.4441	0.0618		1.4234	1.4234		1.3096	1.3096		5,984.025 2	5,984.025 2	1.9354		6,024.667 7
<b>Total</b>	<b>3.3599</b>	<b>32.1927</b>	<b>33.4441</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.4234</b>	<b>10.0968</b>	<b>3.5965</b>	<b>1.3096</b>	<b>4.9061</b>		<b>5,984.025 2</b>	<b>5,984.025 2</b>	<b>1.9354</b>		<b>6,024.667 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	0.0000	0.0000	0.0000	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	0.0426	0.0683	0.5640	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		144.3253	144.3253	6.1100e-003		144.4536
<b>Total</b>	<b>0.0426</b>	<b>0.0683</b>	<b>0.5640</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.2700e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1800e-003</b>	<b>0.0536</b>		<b>144.3253</b>	<b>144.3253</b>	<b>6.1100e-003</b>		<b>144.4536</b>

**3.16 Phase III – Grading - 2024**

**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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,984.025 2	5,984.025 2	1.9354		6,024.667 7
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,984.025 2</b>	<b>5,984.025 2</b>	<b>1.9354</b>		<b>6,024.667 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	0.0000	0.0000	0.0000	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	0.0426	0.0683	0.5640	2.1400e-003	0.1977	1.2700e-003	0.1990	0.0524	1.1800e-003	0.0536		144.3253	144.3253	6.1100e-003		144.4536
<b>Total</b>	<b>0.0426</b>	<b>0.0683</b>	<b>0.5640</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.2700e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1800e-003</b>	<b>0.0536</b>		<b>144.3253</b>	<b>144.3253</b>	<b>6.1100e-003</b>		<b>144.4536</b>

**3.17 Phase III – Building Construction - 2024**

**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	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>		<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.4478	15.0748	57.1198	0.0792	2.1632	0.2791	2.4423	0.6176	0.2568	0.8744		7,380.3589	7,380.3589	0.0587		7,381.5912
Worker	2.9658	4.7595	39.2830	0.1491	13.7714	0.0887	13.8601	3.6524	0.0823	3.7348		10,052.2546	10,052.2546	0.4256		10,061.1915
<b>Total</b>	<b>7.4136</b>	<b>19.8342</b>	<b>96.4028</b>	<b>0.2284</b>	<b>15.9345</b>	<b>0.3678</b>	<b>16.3024</b>	<b>4.2700</b>	<b>0.3391</b>	<b>4.6091</b>		<b>17,432.6135</b>	<b>17,432.6135</b>	<b>0.4843</b>		<b>17,442.7826</b>

**3.17 Phase III – Building Construction - 2024**

**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	1.0782	23.4615	17.8156	0.0268		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0268</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.4478	15.0748	57.1198	0.0792	2.1632	0.2791	2.4423	0.6176	0.2568	0.8744		7,380.3589	7,380.3589	0.0587		7,381.5912
Worker	2.9658	4.7595	39.2830	0.1491	13.7714	0.0887	13.8601	3.6524	0.0823	3.7348		10,052.2546	10,052.2546	0.4256		10,061.1915
<b>Total</b>	<b>7.4136</b>	<b>19.8342</b>	<b>96.4028</b>	<b>0.2284</b>	<b>15.9345</b>	<b>0.3678</b>	<b>16.3024</b>	<b>4.2700</b>	<b>0.3391</b>	<b>4.6091</b>		<b>17,432.6135</b>	<b>17,432.6135</b>	<b>0.4843</b>		<b>17,442.7826</b>

**3.17 Phase III – Building Construction - 2025**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3343	14.9316	56.2838	0.0792	2.1632	0.2801	2.4434	0.6176	0.2577	0.8754		7,380.8585	7,380.8585	0.0589		7,382.0948
Worker	2.8243	4.5019	37.2437	0.1491	13.7714	0.0891	13.8605	3.6524	0.0827	3.7351		9,931.1503	9,931.1503	0.4107		9,939.7748
<b>Total</b>	<b>7.1587</b>	<b>19.4335</b>	<b>93.5275</b>	<b>0.2283</b>	<b>15.9346</b>	<b>0.3692</b>	<b>16.3039</b>	<b>4.2701</b>	<b>0.3404</b>	<b>4.6104</b>		<b>17,312.0088</b>	<b>17,312.0088</b>	<b>0.4696</b>		<b>17,321.8696</b>

**3.17 Phase III – Building Construction - 2025**

**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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3343	14.9316	56.2838	0.0792	2.1632	0.2801	2.4434	0.6176	0.2577	0.8754		7,380.8585	7,380.8585	0.0589		7,382.0948
Worker	2.8243	4.5019	37.2437	0.1491	13.7714	0.0891	13.8605	3.6524	0.0827	3.7351		9,931.1503	9,931.1503	0.4107		9,939.7748
<b>Total</b>	<b>7.1587</b>	<b>19.4335</b>	<b>93.5275</b>	<b>0.2283</b>	<b>15.9346</b>	<b>0.3692</b>	<b>16.3039</b>	<b>4.2701</b>	<b>0.3404</b>	<b>4.6104</b>		<b>17,312.0088</b>	<b>17,312.0088</b>	<b>0.4696</b>		<b>17,321.8696</b>

### 3.18 Phase III – Architectural Coating - 2025

#### 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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>744.7216</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.5657	0.9017	7.4594	0.0299	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		1,989.0818	1,989.0818	0.0823		1,990.8092
<b>Total</b>	<b>0.5657</b>	<b>0.9017</b>	<b>7.4594</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0166</b>	<b>0.7481</b>		<b>1,989.0818</b>	<b>1,989.0818</b>	<b>0.0823</b>		<b>1,990.8092</b>



**3.18 Phase III – Architectural Coating - 2025**

**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	744.5508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>744.6647</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.5657	0.9017	7.4594	0.0299	2.7582	0.0178	2.7761	0.7315	0.0166	0.7481		1,989.0818	1,989.0818	0.0823		1,990.8092
<b>Total</b>	<b>0.5657</b>	<b>0.9017</b>	<b>7.4594</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0178</b>	<b>2.7761</b>	<b>0.7315</b>	<b>0.0166</b>	<b>0.7481</b>		<b>1,989.0818</b>	<b>1,989.0818</b>	<b>0.0823</b>		<b>1,990.8092</b>

**3.19 Phase III – Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	4.7186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>5.6160</b>	<b>8.4215</b>	<b>14.2781</b>	<b>0.0223</b>		<b>0.4109</b>	<b>0.4109</b>		<b>0.3781</b>	<b>0.3781</b>		<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0304	0.0485	0.4010	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		106.9399	106.9399	4.4200e-003		107.0328
<b>Total</b>	<b>0.0304</b>	<b>0.0485</b>	<b>0.4010</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>106.9399</b>	<b>106.9399</b>	<b>4.4200e-003</b>		<b>107.0328</b>

**3.19 Phase III – Paving - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	4.7186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>5.6308</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0304	0.0485	0.4010	1.6100e-003	0.1483	9.6000e-004	0.1493	0.0393	8.9000e-004	0.0402		106.9399	106.9399	4.4200e-003		107.0328
<b>Total</b>	<b>0.0304</b>	<b>0.0485</b>	<b>0.4010</b>	<b>1.6100e-003</b>	<b>0.1483</b>	<b>9.6000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>8.9000e-004</b>	<b>0.0402</b>		<b>106.9399</b>	<b>106.9399</b>	<b>4.4200e-003</b>		<b>107.0328</b>

### 3.20 Phases IV & V – Site Preparation - 2025

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.840 3	3,793.840 3	1.2270		3,819.607 4
<b>Total</b>	<b>2.5083</b>	<b>23.5257</b>	<b>24.8879</b>	<b>0.0392</b>	<b>18.0663</b>	<b>1.0293</b>	<b>19.0956</b>	<b>9.9307</b>	<b>0.9470</b>	<b>10.8776</b>		<b>3,793.840 3</b>	<b>3,793.840 3</b>	<b>1.2270</b>		<b>3,819.607 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	0.0000	0.0000	0.0000	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	0.0365	0.0582	0.4813	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		128.3279	128.3279	5.3100e-003		128.4393
<b>Total</b>	<b>0.0365</b>	<b>0.0582</b>	<b>0.4813</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0700e-003</b>	<b>0.0483</b>		<b>128.3279</b>	<b>128.3279</b>	<b>5.3100e-003</b>		<b>128.4393</b>

### 3.20 Phases IV & V – Site Preparation - 2025

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.8403	3,793.8403	1.2270		3,819.6074
<b>Total</b>	<b>1.2300</b>	<b>34.4240</b>	<b>23.4003</b>	<b>0.0392</b>	<b>8.1298</b>	<b>0.9611</b>	<b>9.0909</b>	<b>4.4688</b>	<b>0.9611</b>	<b>5.4299</b>	<b>0.0000</b>	<b>3,793.8403</b>	<b>3,793.8403</b>	<b>1.2270</b>		<b>3,819.6074</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	0.0365	0.0582	0.4813	1.9300e-003	0.1780	1.1500e-003	0.1791	0.0472	1.0700e-003	0.0483		128.3279	128.3279	5.3100e-003		128.4393
<b>Total</b>	<b>0.0365</b>	<b>0.0582</b>	<b>0.4813</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1500e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.0700e-003</b>	<b>0.0483</b>		<b>128.3279</b>	<b>128.3279</b>	<b>5.3100e-003</b>		<b>128.4393</b>

**3.21 Phases IV & V – Grading - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>3.0022</b>	<b>27.2606</b>	<b>31.3515</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.1867</b>	<b>9.8600</b>	<b>3.5965</b>	<b>1.0918</b>	<b>4.6883</b>		<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0406	0.0646	0.5347	2.1400e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		142.5865	142.5865	5.9000e-003		142.7103
<b>Total</b>	<b>0.0406</b>	<b>0.0646</b>	<b>0.5347</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.2800e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1900e-003</b>	<b>0.0536</b>		<b>142.5865</b>	<b>142.5865</b>	<b>5.9000e-003</b>		<b>142.7103</b>

**3.21 Phases IV & V – Grading - 2025**

**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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0406	0.0646	0.5347	2.1400e-003	0.1977	1.2800e-003	0.1990	0.0524	1.1900e-003	0.0536		142.5865	142.5865	5.9000e-003		142.7103
<b>Total</b>	<b>0.0406</b>	<b>0.0646</b>	<b>0.5347</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.2800e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.1900e-003</b>	<b>0.0536</b>		<b>142.5865</b>	<b>142.5865</b>	<b>5.9000e-003</b>		<b>142.7103</b>

**3.21 Phases IV & V – Grading - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>3.0022</b>	<b>27.2606</b>	<b>31.3515</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.1867</b>	<b>9.8600</b>	<b>3.5965</b>	<b>1.0918</b>	<b>4.6883</b>		<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0388	0.0615	0.5100	2.1400e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		141.0804	141.0804	5.7100e-003		141.2003
<b>Total</b>	<b>0.0388</b>	<b>0.0615</b>	<b>0.5100</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.2900e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2000e-003</b>	<b>0.0536</b>		<b>141.0804</b>	<b>141.0804</b>	<b>5.7100e-003</b>		<b>141.2003</b>



### 3.21 Phases IV & V – Grading - 2026

#### 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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0388	0.0615	0.5100	2.1400e-003	0.1977	1.2900e-003	0.1990	0.0524	1.2000e-003	0.0536		141.0804	141.0804	5.7100e-003		141.2003
<b>Total</b>	<b>0.0388</b>	<b>0.0615</b>	<b>0.5100</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.2900e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2000e-003</b>	<b>0.0536</b>		<b>141.0804</b>	<b>141.0804</b>	<b>5.7100e-003</b>		<b>141.2003</b>

**3.22 Phases IV & V – Building Construction - 2026**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3708	14.7439	55.2786	0.0792	2.1634	0.2785	2.4419	0.6177	0.2563	0.8739		7,381.7699	7,381.7699	0.0587		7,383.0026
Worker	2.7001	4.2840	35.5218	0.1491	13.7714	0.0898	13.8612	3.6524	0.0834	3.7358		9,826.2473	9,826.2473	0.3979		9,834.6035
<b>Total</b>	<b>7.0709</b>	<b>19.0278</b>	<b>90.8003</b>	<b>0.2283</b>	<b>15.9348</b>	<b>0.3684</b>	<b>16.3031</b>	<b>4.2701</b>	<b>0.3396</b>	<b>4.6097</b>		<b>17,208.0172</b>	<b>17,208.0172</b>	<b>0.4566</b>		<b>17,217.6060</b>

### 3.22 Phases IV & V – Building Construction - 2026

#### 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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3708	14.7439	55.2786	0.0792	2.1634	0.2785	2.4419	0.6177	0.2563	0.8739		7,381.7699	7,381.7699	0.0587		7,383.0026
Worker	2.7001	4.2840	35.5218	0.1491	13.7714	0.0898	13.8612	3.6524	0.0834	3.7358		9,826.2473	9,826.2473	0.3979		9,834.6035
<b>Total</b>	<b>7.0709</b>	<b>19.0278</b>	<b>90.8003</b>	<b>0.2283</b>	<b>15.9348</b>	<b>0.3684</b>	<b>16.3031</b>	<b>4.2701</b>	<b>0.3396</b>	<b>4.6097</b>		<b>17,208.0172</b>	<b>17,208.0172</b>	<b>0.4566</b>		<b>17,217.6060</b>

**3.22 Phases IV & V – Building Construction - 2027**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.0589	14.5768	51.6618	0.0792	2.1636	0.2789	2.4425	0.6178	0.2566	0.8743		7,382.3855	7,382.3855	0.0588		7,383.6203
Worker	2.5865	4.0874	33.9826	0.1491	13.7714	0.0904	13.8618	3.6524	0.0839	3.7364		9,734.9224	9,734.9224	0.3865		9,743.0393
<b>Total</b>	<b>6.6454</b>	<b>18.6642</b>	<b>85.6444</b>	<b>0.2282</b>	<b>15.9350</b>	<b>0.3693</b>	<b>16.3043</b>	<b>4.2702</b>	<b>0.3405</b>	<b>4.6107</b>		<b>17,117.3079</b>	<b>17,117.3079</b>	<b>0.4453</b>		<b>17,126.6596</b>

**3.22 Phases IV & V – Building Construction - 2027**

**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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.0589	14.5768	51.6618	0.0792	2.1636	0.2789	2.4425	0.6178	0.2566	0.8743		7,382.3855	7,382.3855	0.0588		7,383.6203
Worker	2.5865	4.0874	33.9826	0.1491	13.7714	0.0904	13.8618	3.6524	0.0839	3.7364		9,734.9224	9,734.9224	0.3865		9,743.0393
<b>Total</b>	<b>6.6454</b>	<b>18.6642</b>	<b>85.6444</b>	<b>0.2282</b>	<b>15.9350</b>	<b>0.3693</b>	<b>16.3043</b>	<b>4.2702</b>	<b>0.3405</b>	<b>4.6107</b>		<b>17,117.3079</b>	<b>17,117.3079</b>	<b>0.4453</b>		<b>17,126.6596</b>

**3.22 Phases IV & V – Building Construction - 2028**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.9301	14.4292	48.1410	0.0791	2.1638	0.2786	2.4424	0.6178	0.2563	0.8742		7,383.0815	7,383.0815	0.0588		7,384.3168
Worker	2.4836	3.9081	32.6253	0.1490	13.7714	0.0910	13.8624	3.6524	0.0844	3.7369		9,656.2005	9,656.2005	0.3763		9,664.1018
<b>Total</b>	<b>6.4138</b>	<b>18.3373</b>	<b>80.7663</b>	<b>0.2281</b>	<b>15.9352</b>	<b>0.3696</b>	<b>16.3048</b>	<b>4.2703</b>	<b>0.3408</b>	<b>4.6111</b>		<b>17,039.2820</b>	<b>17,039.2820</b>	<b>0.4351</b>		<b>17,048.4186</b>

**3.22 Phases IV & V – Building Construction - 2028**

**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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.9301	14.4292	48.1410	0.0791	2.1638	0.2786	2.4424	0.6178	0.2563	0.8742		7,383.0815	7,383.0815	0.0588		7,384.3168
Worker	2.4836	3.9081	32.6253	0.1490	13.7714	0.0910	13.8624	3.6524	0.0844	3.7369		9,656.2005	9,656.2005	0.3763		9,664.1018
<b>Total</b>	<b>6.4138</b>	<b>18.3373</b>	<b>80.7663</b>	<b>0.2281</b>	<b>15.9352</b>	<b>0.3696</b>	<b>16.3048</b>	<b>4.2703</b>	<b>0.3408</b>	<b>4.6111</b>		<b>17,039.2820</b>	<b>17,039.2820</b>	<b>0.4351</b>		<b>17,048.4186</b>

**3.23 Phases IV & V – Architectural Coating - 2028**

**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	425.4576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>425.6284</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.4974	0.7828	6.5344	0.0299	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		1,934.0129	1,934.0129	0.0754		1,935.5954
<b>Total</b>	<b>0.4974</b>	<b>0.7828</b>	<b>6.5344</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0182</b>	<b>2.7765</b>	<b>0.7315</b>	<b>0.0169</b>	<b>0.7485</b>		<b>1,934.0129</b>	<b>1,934.0129</b>	<b>0.0754</b>		<b>1,935.5954</b>



**3.23 Phases IV & V – Architectural Coating - 2028**

**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	425.4576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>425.5715</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.4974	0.7828	6.5344	0.0299	2.7582	0.0182	2.7765	0.7315	0.0169	0.7485		1,934.0129	1,934.0129	0.0754		1,935.5954
<b>Total</b>	<b>0.4974</b>	<b>0.7828</b>	<b>6.5344</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0182</b>	<b>2.7765</b>	<b>0.7315</b>	<b>0.0169</b>	<b>0.7485</b>		<b>1,934.0129</b>	<b>1,934.0129</b>	<b>0.0754</b>		<b>1,935.5954</b>

**3.24 Phases IV & V – Paving - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	3.1458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.0431</b>	<b>8.4215</b>	<b>14.2781</b>	<b>0.0223</b>		<b>0.4109</b>	<b>0.4109</b>		<b>0.3781</b>	<b>0.3781</b>		<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0267	0.0421	0.3513	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.9792	103.9792	4.0500e-003		104.0643
<b>Total</b>	<b>0.0267</b>	<b>0.0421</b>	<b>0.3513</b>	<b>1.6000e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>103.9792</b>	<b>103.9792</b>	<b>4.0500e-003</b>		<b>104.0643</b>

**3.24 Phases IV & V – Paving - 2028**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	3.1458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.0579</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0267	0.0421	0.3513	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.9792	103.9792	4.0500e-003		104.0643
<b>Total</b>	<b>0.0267</b>	<b>0.0421</b>	<b>0.3513</b>	<b>1.6000e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>103.9792</b>	<b>103.9792</b>	<b>4.0500e-003</b>		<b>104.0643</b>

**3.24 Phases IV & V – Paving - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	3.1458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.0431</b>	<b>8.4215</b>	<b>14.2781</b>	<b>0.0223</b>		<b>0.4109</b>	<b>0.4109</b>		<b>0.3781</b>	<b>0.3781</b>		<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296
<b>Total</b>	<b>0.0256</b>	<b>0.0402</b>	<b>0.3371</b>	<b>1.6000e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>103.2468</b>	<b>103.2468</b>	<b>3.9400e-003</b>		<b>103.3296</b>

**3.24 Phases IV & V – Paving - 2029**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	3.1458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.0579</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296
<b>Total</b>	<b>0.0256</b>	<b>0.0402</b>	<b>0.3371</b>	<b>1.6000e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>103.2468</b>	<b>103.2468</b>	<b>3.9400e-003</b>		<b>103.3296</b>

**3.25 Phase VI – Site Preparation - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.5083	23.5257	24.8879	0.0392		1.0293	1.0293		0.9470	0.9470		3,793.8403	3,793.8403	1.2270		3,819.6074
<b>Total</b>	<b>2.5083</b>	<b>23.5257</b>	<b>24.8879</b>	<b>0.0392</b>	<b>18.0663</b>	<b>1.0293</b>	<b>19.0956</b>	<b>9.9307</b>	<b>0.9470</b>	<b>10.8776</b>		<b>3,793.8403</b>	<b>3,793.8403</b>	<b>1.2270</b>		<b>3,819.6074</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	0.0308	0.0483	0.4045	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		123.8962	123.8962	4.7300e-003		123.9956
<b>Total</b>	<b>0.0308</b>	<b>0.0483</b>	<b>0.4045</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1800e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.1000e-003</b>	<b>0.0483</b>		<b>123.8962</b>	<b>123.8962</b>	<b>4.7300e-003</b>		<b>123.9956</b>

**3.25 Phase VI – Site Preparation - 2029**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	1.2300	34.4240	23.4003	0.0392		0.9611	0.9611		0.9611	0.9611	0.0000	3,793.840 3	3,793.840 3	1.2270		3,819.607 4
<b>Total</b>	<b>1.2300</b>	<b>34.4240</b>	<b>23.4003</b>	<b>0.0392</b>	<b>8.1298</b>	<b>0.9611</b>	<b>9.0909</b>	<b>4.4688</b>	<b>0.9611</b>	<b>5.4299</b>	<b>0.0000</b>	<b>3,793.840 3</b>	<b>3,793.840 3</b>	<b>1.2270</b>		<b>3,819.607 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	0.0000	0.0000	0.0000	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	0.0308	0.0483	0.4045	1.9300e-003	0.1780	1.1800e-003	0.1791	0.0472	1.1000e-003	0.0483		123.8962	123.8962	4.7300e-003		123.9956
<b>Total</b>	<b>0.0308</b>	<b>0.0483</b>	<b>0.4045</b>	<b>1.9300e-003</b>	<b>0.1780</b>	<b>1.1800e-003</b>	<b>0.1791</b>	<b>0.0472</b>	<b>1.1000e-003</b>	<b>0.0483</b>		<b>123.8962</b>	<b>123.8962</b>	<b>4.7300e-003</b>		<b>123.9956</b>

**3.26 Phase VI – Grading - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.0022	27.2606	31.3515	0.0618		1.1867	1.1867		1.0918	1.0918		5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>3.0022</b>	<b>27.2606</b>	<b>31.3515</b>	<b>0.0618</b>	<b>8.6733</b>	<b>1.1867</b>	<b>9.8600</b>	<b>3.5965</b>	<b>1.0918</b>	<b>4.6883</b>		<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0342	0.0536	0.4494	2.1400e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		137.6624	137.6624	5.2600e-003		137.7729
<b>Total</b>	<b>0.0342</b>	<b>0.0536</b>	<b>0.4494</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.3100e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2200e-003</b>	<b>0.0537</b>		<b>137.6624</b>	<b>137.6624</b>	<b>5.2600e-003</b>		<b>137.7729</b>



**3.26 Phase VI – Grading - 2029**

**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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	1.8922	50.9465	37.9432	0.0618		1.3783	1.3783		1.3783	1.3783	0.0000	5,982.3526	5,982.3526	1.9348		6,022.9837
<b>Total</b>	<b>1.8922</b>	<b>50.9465</b>	<b>37.9432</b>	<b>0.0618</b>	<b>3.9030</b>	<b>1.3783</b>	<b>5.2813</b>	<b>1.6184</b>	<b>1.3783</b>	<b>2.9967</b>	<b>0.0000</b>	<b>5,982.3526</b>	<b>5,982.3526</b>	<b>1.9348</b>		<b>6,022.9837</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	0.0342	0.0536	0.4494	2.1400e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2200e-003	0.0537		137.6624	137.6624	5.2600e-003		137.7729
<b>Total</b>	<b>0.0342</b>	<b>0.0536</b>	<b>0.4494</b>	<b>2.1400e-003</b>	<b>0.1977</b>	<b>1.3100e-003</b>	<b>0.1990</b>	<b>0.0524</b>	<b>1.2200e-003</b>	<b>0.0537</b>		<b>137.6624</b>	<b>137.6624</b>	<b>5.2600e-003</b>		<b>137.7729</b>

**3.27 Phase VI – Building Construction - 2029**

**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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.8923	14.3794	47.9703	0.0791	2.1640	0.2787	2.4427	0.6179	0.2564	0.8743		7,384.2024	7,384.2024	0.0589		7,385.4388
Worker	2.3813	3.7354	31.3016	0.1490	13.7714	0.0914	13.8628	3.6524	0.0848	3.7373		9,588.1882	9,588.1882	0.3662		9,595.8790
<b>Total</b>	<b>6.2735</b>	<b>18.1148</b>	<b>79.2719</b>	<b>0.2281</b>	<b>15.9353</b>	<b>0.3701</b>	<b>16.3054</b>	<b>4.2704</b>	<b>0.3412</b>	<b>4.6116</b>		<b>16,972.3906</b>	<b>16,972.3906</b>	<b>0.4251</b>		<b>16,981.3178</b>

**3.27 Phase VI – Building Construction - 2029**

**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	1.0782	23.4615	17.8156	0.0269		0.9016	0.9016		0.9016	0.9016	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.0782</b>	<b>23.4615</b>	<b>17.8156</b>	<b>0.0269</b>		<b>0.9016</b>	<b>0.9016</b>		<b>0.9016</b>	<b>0.9016</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.8923	14.3794	47.9703	0.0791	2.1640	0.2787	2.4427	0.6179	0.2564	0.8743		7,384.2024	7,384.2024	0.0589		7,385.4388
Worker	2.3813	3.7354	31.3016	0.1490	13.7714	0.0914	13.8628	3.6524	0.0848	3.7373		9,588.1882	9,588.1882	0.3662		9,595.8790
<b>Total</b>	<b>6.2735</b>	<b>18.1148</b>	<b>79.2719</b>	<b>0.2281</b>	<b>15.9353</b>	<b>0.3701</b>	<b>16.3054</b>	<b>4.2704</b>	<b>0.3412</b>	<b>4.6116</b>		<b>16,972.3906</b>	<b>16,972.3906</b>	<b>0.4251</b>		<b>16,981.3178</b>

**3.28 Phase VI – Architectural Coating - 2029**

**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	827.2786					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>827.4495</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.4769	0.7482	6.2693	0.0299	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		1,920.3909	1,920.3909	0.0734		1,921.9313
<b>Total</b>	<b>0.4769</b>	<b>0.7482</b>	<b>6.2693</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0183</b>	<b>2.7765</b>	<b>0.7315</b>	<b>0.0170</b>	<b>0.7485</b>		<b>1,920.3909</b>	<b>1,920.3909</b>	<b>0.0734</b>		<b>1,921.9313</b>

**3.28 Phase VI – Architectural Coating - 2029**

**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	827.2786					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.7705
<b>Total</b>	<b>827.3925</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.7705</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	0.4769	0.7482	6.2693	0.0299	2.7582	0.0183	2.7765	0.7315	0.0170	0.7485		1,920.3909	1,920.3909	0.0734		1,921.9313
<b>Total</b>	<b>0.4769</b>	<b>0.7482</b>	<b>6.2693</b>	<b>0.0299</b>	<b>2.7582</b>	<b>0.0183</b>	<b>2.7765</b>	<b>0.7315</b>	<b>0.0170</b>	<b>0.7485</b>		<b>1,920.3909</b>	<b>1,920.3909</b>	<b>0.0734</b>		<b>1,921.9313</b>

**3.29 Phase VI – Paving - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8973	8.4215	14.2781	0.0223		0.4109	0.4109		0.3781	0.3781		2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	18.8745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>19.7718</b>	<b>8.4215</b>	<b>14.2781</b>	<b>0.0223</b>		<b>0.4109</b>	<b>0.4109</b>		<b>0.3781</b>	<b>0.3781</b>		<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296
<b>Total</b>	<b>0.0256</b>	<b>0.0402</b>	<b>0.3371</b>	<b>1.6000e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>103.2468</b>	<b>103.2468</b>	<b>3.9400e-003</b>		<b>103.3296</b>

### 3.29 Phase VI – Paving - 2029

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9122	19.6998	16.9276	0.0223		0.6542	0.6542		0.6542	0.6542	0.0000	2,159.7967	2,159.7967	0.6985		2,174.4656
Paving	18.8745					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>19.7866</b>	<b>19.6998</b>	<b>16.9276</b>	<b>0.0223</b>		<b>0.6542</b>	<b>0.6542</b>		<b>0.6542</b>	<b>0.6542</b>	<b>0.0000</b>	<b>2,159.7967</b>	<b>2,159.7967</b>	<b>0.6985</b>		<b>2,174.4656</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	0.0256	0.0402	0.3371	1.6000e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		103.2468	103.2468	3.9400e-003		103.3296
<b>Total</b>	<b>0.0256</b>	<b>0.0402</b>	<b>0.3371</b>	<b>1.6000e-003</b>	<b>0.1483</b>	<b>9.8000e-004</b>	<b>0.1493</b>	<b>0.0393</b>	<b>9.1000e-004</b>	<b>0.0402</b>		<b>103.2468</b>	<b>103.2468</b>	<b>3.9400e-003</b>		<b>103.3296</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Increase Transit Accessibility
- Improve Pedestrian Network
- Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	16.4658	27.7553	136.4651	0.4222	30.3141	0.5352	30.8493	8.1063	0.4940	8.6003		30,791.83 18	30,791.83 18	0.8716		30,810.13 54
Unmitigated	17.3256	31.9380	152.0907	0.5050	36.5186	0.6292	37.1478	9.7654	0.5807	10.3461		36,837.07 43	36,837.07 43	1.0285		36,858.67 28

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	823.75	895.00	758.75	2,095,877	1,739,787
City Park	30.34	30.34	30.34	61,654	51,179
Condo/Townhouse	1,298.23	1,410.52	1,195.79	3,303,102	2,741,904
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	644.10	749.55	378.60	897,003	744,602
Single Family Housing	966.57	1,018.08	885.77	2,445,958	2,030,389
Single Family Housing	2,842.29	2,993.76	2,604.69	7,192,571	5,970,551
<b>Total</b>	<b>6,605.28</b>	<b>7,097.25</b>	<b>5,853.94</b>	<b>15,996,165</b>	<b>13,278,411</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
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.457871	0.042296	0.214250	0.146969	0.067525	0.009931	0.017760	0.024978	0.002423	0.001427	0.009102	0.000742	0.004726

**5.0 Energy Detail**

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	0.4427	3.7836	1.6132	0.0242		0.3059	0.3059		0.3059	0.3059		4,829.5400	4,829.5400	0.0926	0.0885	4,858.9318
NaturalGas Unmitigated	0.5594	4.7808	2.0385	0.0305		0.3865	0.3865		0.3865	0.3865		6,102.3106	6,102.3106	0.1170	0.1119	6,139.4483

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2783.43	0.0300	0.2565	0.1092	1.6400e-003		0.0207	0.0207		0.0207	0.0207		327.4625	327.4625	6.2800e-003	6.0000e-003	329.4554
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	10511	0.1134	0.9687	0.4122	6.1800e-003		0.0783	0.0783		0.0783	0.0783		1,236.5828	1,236.5828	0.0237	0.0227	1,244.1085
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	102.329	1.1000e-003	0.0100	8.4300e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004		12.0387	12.0387	2.3000e-004	2.2000e-004	12.1119
Single Family Housing	28709.7	0.3096	2.6458	1.1259	0.0169		0.2139	0.2139		0.2139	0.2139		3,377.6113	3,377.6113	0.0647	0.0619	3,398.1669
Single Family Housing	9763.23	0.1053	0.8998	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.6153	1,148.6153	0.0220	0.0211	1,155.6056
<b>Total</b>		<b>0.5594</b>	<b>4.7808</b>	<b>2.0385</b>	<b>0.0305</b>		<b>0.3865</b>	<b>0.3865</b>		<b>0.3865</b>	<b>0.3865</b>		<b>6,102.3106</b>	<b>6,102.3106</b>	<b>0.1170</b>	<b>0.1119</b>	<b>6,139.4483</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					
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	8.2814	0.0893	0.7632	0.3248	4.8700e-003		0.0617	0.0617		0.0617	0.0617		974.2822	974.2822	0.0187	0.0179	980.2115
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.0767466	8.3000e-004	7.5200e-003	6.3200e-003	5.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		9.0290	9.0290	1.7000e-004	1.7000e-004	9.0840
Single Family Housing	22.7278	0.2451	2.0945	0.8913	0.0134		0.1693	0.1693		0.1693	0.1693		2,673.8553	2,673.8553	0.0513	0.0490	2,690.1280
Single Family Housing	7.72897	0.0834	0.7123	0.3031	4.5500e-003		0.0576	0.0576		0.0576	0.0576		909.2909	909.2909	0.0174	0.0167	914.8247
Apartments Mid Rise	2.2362	0.0241	0.2061	0.0877	1.3200e-003		0.0167	0.0167		0.0167	0.0167		263.0826	263.0826	5.0400e-003	4.8200e-003	264.6837
<b>Total</b>		<b>0.4427</b>	<b>3.7836</b>	<b>1.6132</b>	<b>0.0242</b>		<b>0.3059</b>	<b>0.3059</b>		<b>0.3059</b>	<b>0.3059</b>		<b>4,829.5400</b>	<b>4,829.5400</b>	<b>0.0926</b>	<b>0.0885</b>	<b>4,858.9318</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	74.4981	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3178	107.3178	0.1028	0.0000	109.4773
Unmitigated	94.0633	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300	0.0000	107.3178	107.3178	0.1028	0.0000	109.4773

## 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	18.0991					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	74.1770					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	1.7873	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300		107.3178	107.3178	0.1028		109.4773
<b>Total</b>	<b>94.0634</b>	<b>0.6845</b>	<b>59.4111</b>	<b>3.1500e-003</b>		<b>0.3300</b>	<b>0.3300</b>		<b>0.3300</b>	<b>0.3300</b>	<b>0.0000</b>	<b>107.3178</b>	<b>107.3178</b>	<b>0.1028</b>	<b>0.0000</b>	<b>109.4773</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	4.0797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	68.6310					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	1.7873	0.6845	59.4111	3.1500e-003		0.3300	0.3300		0.3300	0.3300		107.3178	107.3178	0.1028		109.4773
<b>Total</b>	<b>74.4981</b>	<b>0.6845</b>	<b>59.4111</b>	<b>3.1500e-003</b>		<b>0.3300</b>	<b>0.3300</b>		<b>0.3300</b>	<b>0.3300</b>	<b>0.0000</b>	<b>107.3178</b>	<b>107.3178</b>	<b>0.1028</b>	<b>0.0000</b>	<b>109.4773</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

## 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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**Avila Ranch Development Project Mitigated Project Alternative  
San Luis Obispo County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,590.00	Space	14.31	636,000.00	0
Other Asphalt Surfaces	21.71	Acre	21.71	945,687.60	0
City Park	19.08	Acre	19.08	831,124.80	0
Regional Shopping Center	15.00	1000sqft	1.86	15,000.00	0
Apartments Mid Rise	125.00	Dwelling Unit	4.40	125,000.00	286
Condo/Townhouse	197.00	Dwelling Unit	10.80	197,000.00	451
Single Family Housing	101.00	Dwelling Unit	12.80	181,800.00	232
Single Family Housing	297.00	Dwelling Unit	27.30	534,600.00	680

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.2	<b>Precipitation Freq (Days)</b>	44
<b>Climate Zone</b>	4			<b>Operational Year</b>	2030
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - Taken from MPA description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the MPA table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00

tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	18.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	54.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 2

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	3,100.00	665.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	120.00	60.00
tblConstructionPhase	NumDays	220.00	46.00
tblConstructionPhase	NumDays	310.00	125.00
tblConstructionPhase	NumDays	310.00	155.00
tblConstructionPhase	NumDays	220.00	15.00
tblConstructionPhase	NumDays	220.00	55.00
tblConstructionPhase	NumDays	120.00	15.00
tblConstructionPhase	NumDays	310.00	30.00
tblConstructionPhase	NumDays	3,100.00	100.00
tblConstructionPhase	NumDays	220.00	15.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	20.00
tblConstructionPhase	NumDays	310.00	35.00

tblConstructionPhase	NumDays	3,100.00	340.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	220.00	20.00
tblConstructionPhase	NumDays	120.00	40.00
tblConstructionPhase	NumDays	310.00	135.00
tblConstructionPhase	NumDays	3,100.00	625.00
tblConstructionPhase	NumDays	220.00	35.00
tblConstructionPhase	NumDays	220.00	30.00
tblConstructionPhase	NumDays	120.00	5.00
tblConstructionPhase	NumDays	310.00	15.00
tblConstructionPhase	NumDays	3,100.00	150.00
tblConstructionPhase	NumDays	220.00	18.00
tblConstructionPhase	NumDays	220.00	5.00
tblConstructionPhase	PhaseStartDate	9/29/2029	9/30/2029
tblGrading	AcresOfGrading	387.50	0.00
tblLandUse	LotAcreage	0.34	1.86
tblLandUse	LotAcreage	3.29	4.40
tblLandUse	LotAcreage	12.31	10.80
tblLandUse	LotAcreage	32.79	12.80
tblLandUse	LotAcreage	96.43	27.30
tblLandUse	Population	358.00	286.00
tblLandUse	Population	563.00	451.00
tblLandUse	Population	289.00	232.00
tblLandUse	Population	849.00	680.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblSequestration	NumberOfNewTrees	0.00	525.00
tblSolidWaste	SolidWasteGenerationRate	57.50	121.13
tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	90.62	190.91
tblSolidWaste	SolidWasteGenerationRate	15.75	6.84
tblSolidWaste	SolidWasteGenerationRate	373.92	711.82
tblTripsAndVMT	VendorTripNumber	0.00	475.00
tblTripsAndVMT	VendorTripNumber	475.00	0.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	30.00	18.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00
tblTripsAndVMT	WorkerTripNumber	30.00	1,393.00
tblTripsAndVMT	WorkerTripNumber	35.00	15.00
tblTripsAndVMT	WorkerTripNumber	1,393.00	279.00
tblWater	IndoorWaterUseRate	8,144,253.20	4,472,304.06
tblWater	IndoorWaterUseRate	12,835,343.05	7,048,351.14
tblWater	IndoorWaterUseRate	1,111,087.82	909,125.22
tblWater	IndoorWaterUseRate	25,931,302.20	17,829,611.92
tblWater	OutdoorWaterUseRate	5,134,420.50	2,859,341.94
tblWater	OutdoorWaterUseRate	22,733,464.15	12,434,472.00
tblWater	OutdoorWaterUseRate	8,091,846.70	4,506,322.86
tblWater	OutdoorWaterUseRate	680,989.31	557,205.78
tblWater	OutdoorWaterUseRate	16,347,994.86	11,399,260.08
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00

tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.50	0.00

## 2.0 Emissions Summary

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**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.9013	9.1757	7.3548	0.0104	1.7837	0.4416	2.2253	0.9741	0.4069	1.3810	0.0000	927.8427	927.8427	0.2851	0.0000	933.8296
2020	0.6575	5.9008	6.2384	0.0111	0.9669	0.2855	1.2524	0.3765	0.2647	0.6412	0.0000	902.8801	902.8801	0.2046	0.0000	907.1763
2021	0.3625	2.6119	3.6510	7.8200e-003	0.3505	0.1392	0.4897	0.0932	0.1316	0.2248	0.0000	585.5877	585.5877	0.0864	0.0000	587.4016
2022	0.3288	2.3418	3.5235	7.7900e-003	0.3492	0.1177	0.4669	0.0928	0.1113	0.2041	0.0000	579.4709	579.4709	0.0849	0.0000	581.2538
2023	11.0919	2.8888	6.9873	0.0162	1.1624	0.1058	1.2682	0.3690	0.0985	0.4675	0.0000	1,174.9383	1,174.9383	0.1046	0.0000	1,177.1353
2024	5.3746	4.0956	11.1419	0.0268	1.8675	0.1331	2.0006	0.5745	0.1238	0.6983	0.0000	1,923.9830	1,923.9830	0.1384	0.0000	1,926.8895
2025	8.1958	3.3805	8.7070	0.0212	2.1077	0.1115	2.2192	0.7531	0.1035	0.8565	0.0000	1,527.0546	1,527.0546	0.1314	0.0000	1,529.8139
2026	0.7929	3.9029	9.6215	0.0240	1.8526	0.1310	1.9837	0.5831	0.1215	0.7045	0.0000	1,735.9670	1,735.9670	0.1645	0.0000	1,739.4213
2027	0.9858	4.0623	12.3758	0.0335	2.0263	0.1165	2.1427	0.5442	0.1087	0.6529	0.0000	2,342.9165	2,342.9165	0.1233	0.0000	2,345.5054
2028	8.2457	3.2422	9.4658	0.0268	1.6169	0.0961	1.7130	0.4341	0.0897	0.5238	0.0000	1,865.1408	1,865.1408	0.1032	0.0000	1,867.3089
2029	8.0852	2.6254	7.1479	0.0203	1.3017	0.0816	1.3833	0.3717	0.0760	0.4477	0.0000	1,417.5370	1,417.5370	0.0900	0.0000	1,419.4274
<b>Total</b>	<b>45.0218</b>	<b>44.2279</b>	<b>86.2149</b>	<b>0.2058</b>	<b>15.3853</b>	<b>1.7596</b>	<b>17.1449</b>	<b>5.1661</b>	<b>1.6361</b>	<b>6.8022</b>	<b>0.0000</b>	<b>14,983.3187</b>	<b>14,983.3187</b>	<b>1.5164</b>	<b>0.0000</b>	<b>15,015.1628</b>





**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	17.1353	0.1129	9.8028	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0639	16.0639	0.0154	0.0000	16.3872
Energy	0.1021	0.8725	0.3720	5.5700e-003		0.0705	0.0705		0.0705	0.0705	0.0000	2,418.3717	2,418.3717	0.0830	0.0317	2,429.9409
Mobile	2.7440	5.3839	24.4339	0.0859	6.0219	0.1061	6.1280	1.6138	0.0979	1.7117	0.0000	5,683.4560	5,683.4560	0.1575	0.0000	5,686.7632
Waste						0.0000	0.0000		0.0000	0.0000	209.2228	0.0000	209.2228	12.3647	0.0000	468.8818
Water						0.0000	0.0000		0.0000	0.0000	9.5999	79.9662	89.5661	0.9896	0.0240	117.7974
<b>Total</b>	<b>19.9814</b>	<b>6.3693</b>	<b>34.6088</b>	<b>0.0920</b>	<b>6.0219</b>	<b>0.2311</b>	<b>6.2530</b>	<b>1.6138</b>	<b>0.2229</b>	<b>1.8367</b>	<b>218.8227</b>	<b>8,197.8578</b>	<b>8,416.6805</b>	<b>13.6102</b>	<b>0.0557</b>	<b>8,719.7704</b>

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	13.5646	0.1129	9.8028	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0639	16.0639	0.0154	0.0000	16.3872
Energy	0.0808	0.6905	0.2944	4.4100e-003		0.0558	0.0558		0.0558	0.0558	0.0000	1,755.4674	1,755.4674	0.0586	0.0236	1,764.0134
Mobile	2.5989	4.6767	21.7900	0.0718	4.9988	0.0902	5.0890	1.3396	0.0833	1.4229	0.0000	4,751.2365	4,751.2365	0.1334	0.0000	4,754.0384
Waste						0.0000	0.0000		0.0000	0.0000	209.2228	0.0000	209.2228	12.3647	0.0000	468.8818
Water						0.0000	0.0000		0.0000	0.0000	7.6799	64.6904	72.3703	0.7916	0.0192	94.9458
<b>Total</b>	<b>16.2444</b>	<b>5.4801</b>	<b>31.8873</b>	<b>0.0768</b>	<b>4.9988</b>	<b>0.2005</b>	<b>5.1993</b>	<b>1.3396</b>	<b>0.1935</b>	<b>1.5332</b>	<b>216.9027</b>	<b>6,587.4581</b>	<b>6,804.3608</b>	<b>13.3637</b>	<b>0.0428</b>	<b>7,098.2664</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>18.70</b>	<b>13.96</b>	<b>7.86</b>	<b>16.57</b>	<b>16.99</b>	<b>13.24</b>	<b>16.85</b>	<b>16.99</b>	<b>13.17</b>	<b>16.53</b>	<b>0.88</b>	<b>19.64</b>	<b>19.16</b>	<b>1.81</b>	<b>23.20</b>	<b>18.60</b>

## 2.3 Vegetation

### Vegetation

	CO2e
Category	MT
New Trees	371.7000
<b>Total</b>	<b>371.7000</b>

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Offsite Construction – Site Preparation	Site Preparation	1/1/2019	3/25/2019	5	60	
2	Offsite Construction – Grading	Grading	3/26/2019	10/28/2019	5	155	
3	Offsite Construction – Paving	Paving	10/29/2019	12/31/2019	5	46	
4	Phase I – Site Preparation	Site Preparation	1/1/2020	1/21/2020	5	15	
5	Phase I, III, IV – Grading	Grading	1/22/2020	7/14/2020	5	125	
6	Phase I – Building Construction	Building Construction	7/15/2020	1/31/2023	5	665	
7	Phase I – Paving	Paving	2/1/2023	2/21/2023	5	15	
8	Phase I – Architectural Coating	Architectural Coating	2/22/2023	5/9/2023	5	55	
9	Phase II – Site Preparation	Site Preparation	5/10/2023	5/30/2023	5	15	
10	Phase II – Grading	Grading	5/31/2023	7/11/2023	5	30	
11	Phase II – Building Construction	Building Construction	7/12/2023	11/28/2023	5	100	

12	Phase II – Paving	Paving	11/29/2023	12/19/2023	5	15
13	Phase II – Architectural Coating	Architectural Coating	12/20/2023	1/16/2024	5	20
14	Phase III – Site Preparation	Site Preparation	1/17/2024	2/13/2024	5	20
15	Phase III – Grading	Grading	2/14/2024	4/2/2024	5	35
16	Phase III – Building Construction	Building Construction	4/3/2024	7/22/2025	5	340
17	Phase III – Architectural Coating	Architectural Coating	7/23/2025	8/19/2025	5	20
18	Phase III – Paving	Paving	8/20/2025	9/16/2025	5	20
19	Phases IV & V – Site Preparation	Site Preparation	9/17/2025	11/11/2025	5	40
20	Phases IV & V – Grading	Grading	11/12/2025	5/19/2026	5	135
21	Phases IV & V – Building Construction	Building Construction	5/20/2026	10/10/2028	5	625
22	Phases IV & V – Architectural Coating	Architectural Coating	10/11/2028	11/28/2028	5	35
23	Phases IV & V – Paving	Paving	11/29/2028	1/9/2029	5	30
24	Phase VI – Site Preparation	Site Preparation	1/10/2029	1/16/2029	5	5
25	Phase VI – Grading	Grading	1/17/2029	2/6/2029	5	15
26	Phase VI – Building Construction	Building Construction	2/7/2029	9/4/2029	5	150
27	Phase VI – Architectural Coating	Architectural Coating	9/5/2029	9/28/2029	5	18
28	Phase VI – Paving	Paving	9/30/2029	10/5/2029	5	5

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase I – Building Construction	Air Compressors	1	6.00	78	0.48

Offsite Construction – Site Preparation	Excavators	3	8.00	162	0.38
Offsite Construction – Site Preparation	Concrete/Industrial Saws	1	8.00	81	0.73
Offsite Construction – Paving	Excavators	2	8.00	162	0.38
Phase I – Site Preparation	Cranes	1	7.00	226	0.29
Phase I – Site Preparation	Forklifts	3	8.00	89	0.20
Phase I – Site Preparation	Generator Sets	1	8.00	84	0.74
Phase I, III, IV – Grading	Pavers	2	8.00	125	0.42
Phase I, III, IV – Grading	Rollers	2	8.00	80	0.38
Offsite Construction – Site Preparation	Rubber Tired Dozers	2	8.00	255	0.40
Offsite Construction – Paving	Rubber Tired Dozers	1	8.00	255	0.40
Phase I – Site Preparation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Offsite Construction – Paving	Graders	1	8.00	174	0.41
Offsite Construction – Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Offsite Construction – Grading	Rubber Tired Dozers	3	8.00	255	0.40
Offsite Construction – Paving	Scrapers	2	8.00	361	0.48
Phase I – Site Preparation	Welders	1	8.00	46	0.45
Phase II – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase III – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phases IV & V – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase VI – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase I – Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase II – Building Construction	Cranes	1	7.00	226	0.29
Phase III – Building Construction	Cranes	1	7.00	226	0.29
Phases IV & V – Building Construction	Cranes	1	7.00	226	0.29
Phase VI – Building Construction	Cranes	1	7.00	226	0.29
Phase I – Building Construction	Cranes	1	7.00	226	0.29

Phase II – Grading	Excavators	2	8.00	162	0.38
Phase III – Grading	Excavators	2	8.00	162	0.38
Offsite Construction – Grading	Excavators	2	8.00	162	0.38
Phases IV & V – Grading	Excavators	2	8.00	162	0.38
Phase VI – Grading	Excavators	2	8.00	162	0.38
Phase I, III, IV – Grading	Excavators	2	8.00	162	0.38
Phase II – Building Construction	Forklifts	3	8.00	89	0.20
Phase III – Building Construction	Forklifts	3	8.00	89	0.20
Phases IV & V – Building Construction	Forklifts	3	8.00	89	0.20
Phase VI – Building Construction	Forklifts	3	8.00	89	0.20
Phase I – Building Construction	Forklifts	3	8.00	89	0.20
Phase II – Building Construction	Generator Sets	1	8.00	84	0.74
Phase III – Building Construction	Generator Sets	1	8.00	84	0.74
Phases IV & V – Building Construction	Generator Sets	1	8.00	84	0.74
Phase VI – Building Construction	Generator Sets	1	8.00	84	0.74
Phase I – Building Construction	Generator Sets	1	8.00	84	0.74
Phase II – Grading	Graders	1	8.00	174	0.41
Phase III – Grading	Graders	1	8.00	174	0.41
Offsite Construction – Grading	Graders	1	8.00	174	0.41
Phases IV & V – Grading	Graders	1	8.00	174	0.41
Phase VI – Grading	Graders	1	8.00	174	0.41
Phase I, III, IV – Grading	Graders	1	8.00	174	0.41
Phase II – Paving	Pavers	2	8.00	125	0.42
Phase III – Paving	Pavers	2	8.00	125	0.42
Phases IV & V – Paving	Pavers	2	8.00	125	0.42
Phase VI – Paving	Pavers	2	8.00	125	0.42
Offsite Construction – Paving	Pavers	2	8.00	125	0.42
Phase I – Paving	Pavers	2	8.00	125	0.42

Phase II – Paving	Paving Equipment	2	8.00	130	0.36
Phase III – Paving	Paving Equipment	2	8.00	130	0.36
Phases IV & V – Paving	Paving Equipment	2	8.00	130	0.36
Phase VI – Paving	Paving Equipment	2	8.00	130	0.36
Offsite Construction – Paving	Paving Equipment	2	8.00	130	0.36
Phase I – Paving	Paving Equipment	2	8.00	130	0.36
Phase II – Paving	Rollers	2	8.00	80	0.38
Phase III – Paving	Rollers	2	8.00	80	0.38
Phases IV & V – Paving	Rollers	2	8.00	80	0.38
Phase VI – Paving	Rollers	2	8.00	80	0.38
Offsite Construction – Paving	Rollers	2	8.00	80	0.38
Phase I – Paving	Rollers	2	8.00	80	0.38
Phase II – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phases IV & V – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase VI – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase I, III, IV – Grading	Rubber Tired Dozers	1	8.00	255	0.40
Phase III – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phases IV & V – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase VI – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase I – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Phase II – Grading	Scrapers	2	8.00	361	0.48
Phase III – Grading	Scrapers	2	8.00	361	0.48
Offsite Construction – Grading	Scrapers	2	8.00	361	0.48
Phases IV & V – Grading	Scrapers	2	8.00	361	0.48
Phase VI – Grading	Scrapers	2	8.00	361	0.48
Phase I, III, IV – Grading	Scrapers	2	8.00	361	0.48



Phase II – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase III – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phases IV & V – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase VI – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase I – Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase II – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase III – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phases IV & V – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase VI – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase I, III, IV – Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Offsite Construction – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase III – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phases IV & V – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase VI – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II – Building Construction	Welders	1	8.00	46	0.45
Phase III – Building Construction	Welders	1	8.00	46	0.45
Phases IV & V – Building Construction	Welders	1	8.00	46	0.45
Phase VI – Building Construction	Welders	1	8.00	46	0.45
Phase I – Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Offsite Construction – Site Preparation	10	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Grading	12	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Offsite Construction – Paving	14	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Site Preparation	12	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Phase I, III, IV – Grading	14	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Building Construction	10	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Architectural Coating	1	279.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Building Construction	9	1,393.00	475.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase I – Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase III – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phases IV & V – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase VI – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Phase II – Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Offsite Construction – Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1276	1.2987	1.2005	1.5700e-003		0.0681	0.0681		0.0632	0.0632	0.0000	140.4159	140.4159	0.0405	0.0000	141.2655
<b>Total</b>	<b>0.1276</b>	<b>1.2987</b>	<b>1.2005</b>	<b>1.5700e-003</b>	<b>0.3613</b>	<b>0.0681</b>	<b>0.4294</b>	<b>0.1986</b>	<b>0.0632</b>	<b>0.2618</b>	<b>0.0000</b>	<b>140.4159</b>	<b>140.4159</b>	<b>0.0405</b>	<b>0.0000</b>	<b>141.2655</b>

### 3.2 Offsite Construction – Site Preparation - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	2.2000e-003	0.0186	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.2922	3.2922	1.6000e-004	0.0000	3.2956
<b>Total</b>	<b>1.2800e-003</b>	<b>2.2000e-003</b>	<b>0.0186</b>	<b>5.0000e-005</b>	<b>4.3300e-003</b>	<b>3.0000e-005</b>	<b>4.3600e-003</b>	<b>1.1500e-003</b>	<b>3.0000e-005</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>3.2922</b>	<b>3.2922</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>3.2956</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0562	1.3648	1.0390	1.5700e-003		0.0426	0.0426		0.0426	0.0426	0.0000	140.4157	140.4157	0.0405	0.0000	141.2653
<b>Total</b>	<b>0.0562</b>	<b>1.3648</b>	<b>1.0390</b>	<b>1.5700e-003</b>	<b>0.1626</b>	<b>0.0426</b>	<b>0.2052</b>	<b>0.0894</b>	<b>0.0426</b>	<b>0.1320</b>	<b>0.0000</b>	<b>140.4157</b>	<b>140.4157</b>	<b>0.0405</b>	<b>0.0000</b>	<b>141.2653</b>

### 3.2 Offsite Construction – Site Preparation - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	2.2000e-003	0.0186	5.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.2922	3.2922	1.6000e-004	0.0000	3.2956
<b>Total</b>	<b>1.2800e-003</b>	<b>2.2000e-003</b>	<b>0.0186</b>	<b>5.0000e-005</b>	<b>4.3300e-003</b>	<b>3.0000e-005</b>	<b>4.3600e-003</b>	<b>1.1500e-003</b>	<b>3.0000e-005</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>3.2922</b>	<b>3.2922</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>3.2956</b>

### 3.3 Offsite Construction – Grading - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4001	0.0000	1.4001	0.7696	0.0000	0.7696	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5747	6.2756	4.8019	6.6400e-003		0.2972	0.2972		0.2734	0.2734	0.0000	596.9588	596.9588	0.1889	0.0000	600.9251
<b>Total</b>	<b>0.5747</b>	<b>6.2756</b>	<b>4.8019</b>	<b>6.6400e-003</b>	<b>1.4001</b>	<b>0.2972</b>	<b>1.6973</b>	<b>0.7696</b>	<b>0.2734</b>	<b>1.0430</b>	<b>0.0000</b>	<b>596.9588</b>	<b>596.9588</b>	<b>0.1889</b>	<b>0.0000</b>	<b>600.9251</b>

### 3.3 Offsite Construction – Grading - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9500e-003	6.8300e-003	0.0578	1.5000e-004	0.0134	9.0000e-005	0.0135	3.5700e-003	8.0000e-005	3.6500e-003	0.0000	10.2058	10.2058	5.0000e-004	0.0000	10.2163
<b>Total</b>	<b>3.9500e-003</b>	<b>6.8300e-003</b>	<b>0.0578</b>	<b>1.5000e-004</b>	<b>0.0134</b>	<b>9.0000e-005</b>	<b>0.0135</b>	<b>3.5700e-003</b>	<b>8.0000e-005</b>	<b>3.6500e-003</b>	<b>0.0000</b>	<b>10.2058</b>	<b>10.2058</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>10.2163</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6301	0.0000	0.6301	0.3463	0.0000	0.3463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2027	5.5716	4.0286	6.6400e-003		0.1502	0.1502		0.1502	0.1502	0.0000	596.9581	596.9581	0.1889	0.0000	600.9244
<b>Total</b>	<b>0.2027</b>	<b>5.5716</b>	<b>4.0286</b>	<b>6.6400e-003</b>	<b>0.6301</b>	<b>0.1502</b>	<b>0.7803</b>	<b>0.3463</b>	<b>0.1502</b>	<b>0.4965</b>	<b>0.0000</b>	<b>596.9581</b>	<b>596.9581</b>	<b>0.1889</b>	<b>0.0000</b>	<b>600.9244</b>

### 3.3 Offsite Construction – Grading - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9500e-003	6.8300e-003	0.0578	1.5000e-004	0.0134	9.0000e-005	0.0135	3.5700e-003	8.0000e-005	3.6500e-003	0.0000	10.2058	10.2058	5.0000e-004	0.0000	10.2163
<b>Total</b>	<b>3.9500e-003</b>	<b>6.8300e-003</b>	<b>0.0578</b>	<b>1.5000e-004</b>	<b>0.0134</b>	<b>9.0000e-005</b>	<b>0.0135</b>	<b>3.5700e-003</b>	<b>8.0000e-005</b>	<b>3.6500e-003</b>	<b>0.0000</b>	<b>10.2058</b>	<b>10.2058</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>10.2163</b>

### 3.4 Offsite Construction – Paving - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1453	1.5901	1.2570	1.9300e-003		0.0762	0.0762		0.0701	0.0701	0.0000	173.6048	173.6048	0.0549	0.0000	174.7583
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1925</b>	<b>1.5901</b>	<b>1.2570</b>	<b>1.9300e-003</b>		<b>0.0762</b>	<b>0.0762</b>		<b>0.0701</b>	<b>0.0701</b>	<b>0.0000</b>	<b>173.6048</b>	<b>173.6048</b>	<b>0.0549</b>	<b>0.0000</b>	<b>174.7583</b>

### 3.4 Offsite Construction – Paving - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	2.2500e-003	0.0191	5.0000e-005	4.4300e-003	3.0000e-005	4.4600e-003	1.1800e-003	3.0000e-005	1.2000e-003	0.0000	3.3653	3.3653	1.7000e-004	0.0000	3.3688
<b>Total</b>	<b>1.3000e-003</b>	<b>2.2500e-003</b>	<b>0.0191</b>	<b>5.0000e-005</b>	<b>4.4300e-003</b>	<b>3.0000e-005</b>	<b>4.4600e-003</b>	<b>1.1800e-003</b>	<b>3.0000e-005</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>3.3653</b>	<b>3.3653</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.3688</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0645	1.6249	1.2620	1.9300e-003		0.0468	0.0468		0.0468	0.0468	0.0000	173.6046	173.6046	0.0549	0.0000	174.7581
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1117</b>	<b>1.6249</b>	<b>1.2620</b>	<b>1.9300e-003</b>		<b>0.0468</b>	<b>0.0468</b>		<b>0.0468</b>	<b>0.0468</b>	<b>0.0000</b>	<b>173.6046</b>	<b>173.6046</b>	<b>0.0549</b>	<b>0.0000</b>	<b>174.7581</b>



### 3.4 Offsite Construction – Paving - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	2.2500e-003	0.0191	5.0000e-005	4.4300e-003	3.0000e-005	4.4600e-003	1.1800e-003	3.0000e-005	1.2000e-003	0.0000	3.3653	3.3653	1.7000e-004	0.0000	3.3688
<b>Total</b>	<b>1.3000e-003</b>	<b>2.2500e-003</b>	<b>0.0191</b>	<b>5.0000e-005</b>	<b>4.4300e-003</b>	<b>3.0000e-005</b>	<b>4.4600e-003</b>	<b>1.1800e-003</b>	<b>3.0000e-005</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>3.3653</b>	<b>3.3653</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.3688</b>

### 3.5 Phase I – Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0375	0.3715	0.3046	4.0000e-004		0.0188	0.0188		0.0175	0.0175	0.0000	34.9154	34.9154	9.9100e-003	0.0000	35.1236
<b>Total</b>	<b>0.0375</b>	<b>0.3715</b>	<b>0.3046</b>	<b>4.0000e-004</b>	<b>0.1355</b>	<b>0.0188</b>	<b>0.1543</b>	<b>0.0745</b>	<b>0.0175</b>	<b>0.0920</b>	<b>0.0000</b>	<b>34.9154</b>	<b>34.9154</b>	<b>9.9100e-003</b>	<b>0.0000</b>	<b>35.1236</b>

### 3.5 Phase I – Site Preparation - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0362	0.1881	0.4383	6.0000e-004	0.0159	2.5800e-003	0.0184	4.5400e-003	2.3700e-003	6.9100e-003	0.0000	50.8093	50.8093	4.0000e-004	0.0000	50.8178	
Worker	0.0267	0.0465	0.3898	1.1300e-003	0.1006	6.7000e-004	0.1013	0.0267	6.2000e-004	0.0274	0.0000	73.3579	73.3579	3.5100e-003	0.0000	73.4316	
<b>Total</b>	<b>0.0630</b>	<b>0.2346</b>	<b>0.8281</b>	<b>1.7300e-003</b>	<b>0.1165</b>	<b>3.2500e-003</b>	<b>0.1197</b>	<b>0.0313</b>	<b>2.9900e-003</b>	<b>0.0343</b>	<b>0.0000</b>	<b>124.1672</b>	<b>124.1672</b>	<b>3.9100e-003</b>	<b>0.0000</b>	<b>124.2494</b>	

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0610	0.0000	0.0610	0.0335	0.0000	0.0335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.3439	0.2389	4.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	34.9154	34.9154	9.9100e-003	0.0000	35.1235
<b>Total</b>	<b>0.0129</b>	<b>0.3439</b>	<b>0.2389</b>	<b>4.0000e-004</b>	<b>0.0610</b>	<b>0.0103</b>	<b>0.0713</b>	<b>0.0335</b>	<b>0.0103</b>	<b>0.0438</b>	<b>0.0000</b>	<b>34.9154</b>	<b>34.9154</b>	<b>9.9100e-003</b>	<b>0.0000</b>	<b>35.1235</b>

**3.5 Phase I – Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0362	0.1881	0.4383	6.0000e-004	0.0159	2.5800e-003	0.0184	4.5400e-003	2.3700e-003	6.9100e-003	0.0000	50.8093	50.8093	4.0000e-004	0.0000	50.8178
Worker	0.0267	0.0465	0.3898	1.1300e-003	0.1006	6.7000e-004	0.1013	0.0267	6.2000e-004	0.0274	0.0000	73.3579	73.3579	3.5100e-003	0.0000	73.4316
<b>Total</b>	<b>0.0630</b>	<b>0.2346</b>	<b>0.8281</b>	<b>1.7300e-003</b>	<b>0.1165</b>	<b>3.2500e-003</b>	<b>0.1197</b>	<b>0.0313</b>	<b>2.9900e-003</b>	<b>0.0343</b>	<b>0.0000</b>	<b>124.1672</b>	<b>124.1672</b>	<b>3.9100e-003</b>	<b>0.0000</b>	<b>124.2494</b>

**3.6 Phase I, III, IV – Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5421	0.0000	0.5421	0.2248	0.0000	0.2248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3675	3.9480	3.2986	5.2500e-003		0.1876	0.1876		0.1726	0.1726	0.0000	461.4433	461.4433	0.1492	0.0000	464.5773
<b>Total</b>	<b>0.3675</b>	<b>3.9480</b>	<b>3.2986</b>	<b>5.2500e-003</b>	<b>0.5421</b>	<b>0.1876</b>	<b>0.7296</b>	<b>0.2248</b>	<b>0.1726</b>	<b>0.3973</b>	<b>0.0000</b>	<b>461.4433</b>	<b>461.4433</b>	<b>0.1492</b>	<b>0.0000</b>	<b>464.5773</b>

**3.6 Phase I, III, IV – Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-003	4.1700e-003	0.0350	1.0000e-004	9.0300e-003	6.0000e-005	9.0900e-003	2.4000e-003	6.0000e-005	2.4500e-003	0.0000	6.5827	6.5827	3.1000e-004	0.0000	6.5893
<b>Total</b>	<b>2.4000e-003</b>	<b>4.1700e-003</b>	<b>0.0350</b>	<b>1.0000e-004</b>	<b>9.0300e-003</b>	<b>6.0000e-005</b>	<b>9.0900e-003</b>	<b>2.4000e-003</b>	<b>6.0000e-005</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>6.5827</b>	<b>6.5827</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>6.5893</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2439	0.0000	0.2439	0.1012	0.0000	0.1012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1753	4.4154	3.4294	5.2500e-003		0.1270	0.1270		0.1270	0.1270	0.0000	461.4427	461.4427	0.1492	0.0000	464.5768
<b>Total</b>	<b>0.1753</b>	<b>4.4154</b>	<b>3.4294</b>	<b>5.2500e-003</b>	<b>0.2439</b>	<b>0.1270</b>	<b>0.3710</b>	<b>0.1012</b>	<b>0.1270</b>	<b>0.2282</b>	<b>0.0000</b>	<b>461.4427</b>	<b>461.4427</b>	<b>0.1492</b>	<b>0.0000</b>	<b>464.5768</b>

### 3.6 Phase I, III, IV – Grading - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-003	4.1700e-003	0.0350	1.0000e-004	9.0300e-003	6.0000e-005	9.0900e-003	2.4000e-003	6.0000e-005	2.4500e-003	0.0000	6.5827	6.5827	3.1000e-004	0.0000	6.5893
<b>Total</b>	<b>2.4000e-003</b>	<b>4.1700e-003</b>	<b>0.0350</b>	<b>1.0000e-004</b>	<b>9.0300e-003</b>	<b>6.0000e-005</b>	<b>9.0900e-003</b>	<b>2.4000e-003</b>	<b>6.0000e-005</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>6.5827</b>	<b>6.5827</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>6.5893</b>

### 3.7 Phase I – Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1436	1.2668	1.1370	1.8200e-003		0.0747	0.0747		0.0706	0.0706	0.0000	156.2713	156.2713	0.0355	0.0000	157.0165
<b>Total</b>	<b>0.1436</b>	<b>1.2668</b>	<b>1.1370</b>	<b>1.8200e-003</b>		<b>0.0747</b>	<b>0.0747</b>		<b>0.0706</b>	<b>0.0706</b>	<b>0.0000</b>	<b>156.2713</b>	<b>156.2713</b>	<b>0.0355</b>	<b>0.0000</b>	<b>157.0165</b>

### 3.7 Phase I – Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0757	0.6350	1.8400e-003	0.1638	1.1000e-003	0.1649	0.0435	1.0200e-003	0.0446	0.0000	119.5002	119.5002	5.7200e-003	0.0000	119.6202
<b>Total</b>	<b>0.0435</b>	<b>0.0757</b>	<b>0.6350</b>	<b>1.8400e-003</b>	<b>0.1638</b>	<b>1.1000e-003</b>	<b>0.1649</b>	<b>0.0435</b>	<b>1.0200e-003</b>	<b>0.0446</b>	<b>0.0000</b>	<b>119.5002</b>	<b>119.5002</b>	<b>5.7200e-003</b>	<b>0.0000</b>	<b>119.6202</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	1.5747	1.1985	1.8200e-003		0.0608	0.0608		0.0608	0.0608	0.0000	156.2711	156.2711	0.0355	0.0000	157.0163
<b>Total</b>	<b>0.0727</b>	<b>1.5747</b>	<b>1.1985</b>	<b>1.8200e-003</b>		<b>0.0608</b>	<b>0.0608</b>		<b>0.0608</b>	<b>0.0608</b>	<b>0.0000</b>	<b>156.2711</b>	<b>156.2711</b>	<b>0.0355</b>	<b>0.0000</b>	<b>157.0163</b>

**3.7 Phase I – Building Construction - 2020****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0757	0.6350	1.8400e-003	0.1638	1.1000e-003	0.1649	0.0435	1.0200e-003	0.0446	0.0000	119.5002	119.5002	5.7200e-003	0.0000	119.6202
<b>Total</b>	<b>0.0435</b>	<b>0.0757</b>	<b>0.6350</b>	<b>1.8400e-003</b>	<b>0.1638</b>	<b>1.1000e-003</b>	<b>0.1649</b>	<b>0.0435</b>	<b>1.0200e-003</b>	<b>0.0446</b>	<b>0.0000</b>	<b>119.5002</b>	<b>119.5002</b>	<b>5.7200e-003</b>	<b>0.0000</b>	<b>119.6202</b>

**3.7 Phase I – Building Construction - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2756	2.4622	2.3954	3.8900e-003		0.1369	0.1369		0.1295	0.1295	0.0000	334.3538	334.3538	0.0748	0.0000	335.9248
<b>Total</b>	<b>0.2756</b>	<b>2.4622</b>	<b>2.3954</b>	<b>3.8900e-003</b>		<b>0.1369</b>	<b>0.1369</b>		<b>0.1295</b>	<b>0.1295</b>	<b>0.0000</b>	<b>334.3538</b>	<b>334.3538</b>	<b>0.0748</b>	<b>0.0000</b>	<b>335.9248</b>

### 3.7 Phase I – Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0868	0.1497	1.2556	3.9300e-003	0.3505	2.3300e-003	0.3529	0.0932	2.1600e-003	0.0953	0.0000	251.2339	251.2339	0.0116	0.0000	251.4767
<b>Total</b>	<b>0.0868</b>	<b>0.1497</b>	<b>1.2556</b>	<b>3.9300e-003</b>	<b>0.3505</b>	<b>2.3300e-003</b>	<b>0.3529</b>	<b>0.0932</b>	<b>2.1600e-003</b>	<b>0.0953</b>	<b>0.0000</b>	<b>251.2339</b>	<b>251.2339</b>	<b>0.0116</b>	<b>0.0000</b>	<b>251.4767</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1556	3.3687	2.5641	3.8900e-003		0.1301	0.1301		0.1301	0.1301	0.0000	334.3534	334.3534	0.0748	0.0000	335.9244
<b>Total</b>	<b>0.1556</b>	<b>3.3687</b>	<b>2.5641</b>	<b>3.8900e-003</b>		<b>0.1301</b>	<b>0.1301</b>		<b>0.1301</b>	<b>0.1301</b>	<b>0.0000</b>	<b>334.3534</b>	<b>334.3534</b>	<b>0.0748</b>	<b>0.0000</b>	<b>335.9244</b>



**3.7 Phase I – Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0868	0.1497	1.2556	3.9300e-003	0.3505	2.3300e-003	0.3529	0.0932	2.1600e-003	0.0953	0.0000	251.2339	251.2339	0.0116	0.0000	251.4767
<b>Total</b>	<b>0.0868</b>	<b>0.1497</b>	<b>1.2556</b>	<b>3.9300e-003</b>	<b>0.3505</b>	<b>2.3300e-003</b>	<b>0.3529</b>	<b>0.0932</b>	<b>2.1600e-003</b>	<b>0.0953</b>	<b>0.0000</b>	<b>251.2339</b>	<b>251.2339</b>	<b>0.0116</b>	<b>0.0000</b>	<b>251.4767</b>

**3.7 Phase I – Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2475	2.2028	2.3584	3.8700e-003		0.1154	0.1154		0.1092	0.1092	0.0000	333.1869	333.1869	0.0739	0.0000	334.7394
<b>Total</b>	<b>0.2475</b>	<b>2.2028</b>	<b>2.3584</b>	<b>3.8700e-003</b>		<b>0.1154</b>	<b>0.1154</b>		<b>0.1092</b>	<b>0.1092</b>	<b>0.0000</b>	<b>333.1869</b>	<b>333.1869</b>	<b>0.0739</b>	<b>0.0000</b>	<b>334.7394</b>

### 3.7 Phase I – Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0813	0.1390	1.1652	3.9200e-003	0.3492	2.3200e-003	0.3515	0.0928	2.1500e-003	0.0949	0.0000	246.2840	246.2840	0.0110	0.0000	246.5144	
<b>Total</b>	<b>0.0813</b>	<b>0.1390</b>	<b>1.1652</b>	<b>3.9200e-003</b>	<b>0.3492</b>	<b>2.3200e-003</b>	<b>0.3515</b>	<b>0.0928</b>	<b>2.1500e-003</b>	<b>0.0949</b>	<b>0.0000</b>	<b>246.2840</b>	<b>246.2840</b>	<b>0.0110</b>	<b>0.0000</b>	<b>246.5144</b>	

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1550	3.3558	2.5542	3.8700e-003		0.1296	0.1296		0.1296	0.1296	0.0000	333.1865	333.1865	0.0739	0.0000	334.7390
<b>Total</b>	<b>0.1550</b>	<b>3.3558</b>	<b>2.5542</b>	<b>3.8700e-003</b>		<b>0.1296</b>	<b>0.1296</b>		<b>0.1296</b>	<b>0.1296</b>	<b>0.0000</b>	<b>333.1865</b>	<b>333.1865</b>	<b>0.0739</b>	<b>0.0000</b>	<b>334.7390</b>

**3.7 Phase I – Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0813	0.1390	1.1652	3.9200e-003	0.3492	2.3200e-003	0.3515	0.0928	2.1500e-003	0.0949	0.0000	246.2840	246.2840	0.0110	0.0000	246.5144
<b>Total</b>	<b>0.0813</b>	<b>0.1390</b>	<b>1.1652</b>	<b>3.9200e-003</b>	<b>0.3492</b>	<b>2.3200e-003</b>	<b>0.3515</b>	<b>0.0928</b>	<b>2.1500e-003</b>	<b>0.0949</b>	<b>0.0000</b>	<b>246.2840</b>	<b>246.2840</b>	<b>0.0110</b>	<b>0.0000</b>	<b>246.5144</b>

**3.7 Phase I – Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1718	0.1982	3.3000e-004		8.4400e-003	8.4400e-003		7.9900e-003	7.9900e-003	0.0000	28.2015	28.2015	6.2000e-003	0.0000	28.3317
<b>Total</b>	<b>0.0193</b>	<b>0.1718</b>	<b>0.1982</b>	<b>3.3000e-004</b>		<b>8.4400e-003</b>	<b>8.4400e-003</b>		<b>7.9900e-003</b>	<b>7.9900e-003</b>	<b>0.0000</b>	<b>28.2015</b>	<b>28.2015</b>	<b>6.2000e-003</b>	<b>0.0000</b>	<b>28.3317</b>

### 3.7 Phase I – Building Construction - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4700e-003	0.0110	0.0917	3.3000e-004	0.0296	2.0000e-004	0.0297	7.8500e-003	1.8000e-004	8.0300e-003	0.0000	20.5320	20.5320	8.9000e-004	0.0000	20.5507	
<b>Total</b>	<b>6.4700e-003</b>	<b>0.0110</b>	<b>0.0917</b>	<b>3.3000e-004</b>	<b>0.0296</b>	<b>2.0000e-004</b>	<b>0.0297</b>	<b>7.8500e-003</b>	<b>1.8000e-004</b>	<b>8.0300e-003</b>	<b>0.0000</b>	<b>20.5320</b>	<b>20.5320</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>20.5507</b>	

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0131	0.2840	0.2161	3.3000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	28.2015	28.2015	6.2000e-003	0.0000	28.3316
<b>Total</b>	<b>0.0131</b>	<b>0.2840</b>	<b>0.2161</b>	<b>3.3000e-004</b>		<b>0.0110</b>	<b>0.0110</b>		<b>0.0110</b>	<b>0.0110</b>	<b>0.0000</b>	<b>28.2015</b>	<b>28.2015</b>	<b>6.2000e-003</b>	<b>0.0000</b>	<b>28.3316</b>

### 3.7 Phase I – Building Construction - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4700e-003	0.0110	0.0917	3.3000e-004	0.0296	2.0000e-004	0.0297	7.8500e-003	1.8000e-004	8.0300e-003	0.0000	20.5320	20.5320	8.9000e-004	0.0000	20.5507
<b>Total</b>	<b>6.4700e-003</b>	<b>0.0110</b>	<b>0.0917</b>	<b>3.3000e-004</b>	<b>0.0296</b>	<b>2.0000e-004</b>	<b>0.0297</b>	<b>7.8500e-003</b>	<b>1.8000e-004</b>	<b>8.0300e-003</b>	<b>0.0000</b>	<b>20.5320</b>	<b>20.5320</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>20.5507</b>

### 3.8 Phase I – Paving - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.6000e-003	0.0750	0.1071	1.7000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0548</b>	<b>0.0750</b>	<b>0.1071</b>	<b>1.7000e-004</b>		<b>3.7600e-003</b>	<b>3.7600e-003</b>		<b>3.4600e-003</b>	<b>3.4600e-003</b>	<b>0.0000</b>	<b>14.7006</b>	<b>14.7006</b>	<b>4.7500e-003</b>	<b>0.0000</b>	<b>14.8004</b>

### 3.8 Phase I – Paving - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533
<b>Total</b>	<b>2.4000e-004</b>	<b>4.0000e-004</b>	<b>3.3600e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>1.0000e-005</b>	<b>1.0900e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.7526</b>	<b>0.7526</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7533</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8400e-003	0.1478	0.1270	1.7000e-004		4.9100e-003	4.9100e-003		4.9100e-003	4.9100e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0540</b>	<b>0.1478</b>	<b>0.1270</b>	<b>1.7000e-004</b>		<b>4.9100e-003</b>	<b>4.9100e-003</b>		<b>4.9100e-003</b>	<b>4.9100e-003</b>	<b>0.0000</b>	<b>14.7006</b>	<b>14.7006</b>	<b>4.7500e-003</b>	<b>0.0000</b>	<b>14.8004</b>

**3.8 Phase I – Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533
<b>Total</b>	<b>2.4000e-004</b>	<b>4.0000e-004</b>	<b>3.3600e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>1.0000e-005</b>	<b>1.0900e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.7526</b>	<b>0.7526</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7533</b>

**3.9 Phase I – Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2700e-003	0.0358	0.0498	8.0000e-005		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	7.0215	7.0215	4.2000e-004	0.0000	7.0303
<b>Total</b>	<b>7.4508</b>	<b>0.0358</b>	<b>0.0498</b>	<b>8.0000e-005</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>	<b>0.0000</b>	<b>7.0215</b>	<b>7.0215</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>7.0303</b>

### 3.9 Phase I – Architectural Coating - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0162	0.0275	0.2293	8.3000e-004	0.0739	4.9000e-004	0.0744	0.0196	4.5000e-004	0.0201	0.0000	51.3301	51.3301	2.2200e-003	0.0000	51.3766
<b>Total</b>	<b>0.0162</b>	<b>0.0275</b>	<b>0.2293</b>	<b>8.3000e-004</b>	<b>0.0739</b>	<b>4.9000e-004</b>	<b>0.0744</b>	<b>0.0196</b>	<b>4.5000e-004</b>	<b>0.0201</b>	<b>0.0000</b>	<b>51.3301</b>	<b>51.3301</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>51.3766</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1300e-003	0.0647	0.0504	8.0000e-005		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003	0.0000	7.0214	7.0214	4.2000e-004	0.0000	7.0303
<b>Total</b>	<b>7.4486</b>	<b>0.0647</b>	<b>0.0504</b>	<b>8.0000e-005</b>		<b>2.6100e-003</b>	<b>2.6100e-003</b>		<b>2.6100e-003</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>7.0214</b>	<b>7.0214</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>7.0303</b>



### 3.9 Phase I – Architectural Coating - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0162	0.0275	0.2293	8.3000e-004	0.0739	4.9000e-004	0.0744	0.0196	4.5000e-004	0.0201	0.0000	51.3301	51.3301	2.2200e-003	0.0000	51.3766
<b>Total</b>	<b>0.0162</b>	<b>0.0275</b>	<b>0.2293</b>	<b>8.3000e-004</b>	<b>0.0739</b>	<b>4.9000e-004</b>	<b>0.0744</b>	<b>0.0196</b>	<b>4.5000e-004</b>	<b>0.0201</b>	<b>0.0000</b>	<b>51.3301</b>	<b>51.3301</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>51.3766</b>

### 3.10 Phase II – Site Preparation - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0226	0.2245	0.2161	2.9000e-004		0.0104	0.0104		9.6000e-003	9.6000e-003	0.0000	25.8136	25.8136	8.3500e-003	0.0000	25.9890
<b>Total</b>	<b>0.0226</b>	<b>0.2245</b>	<b>0.2161</b>	<b>2.9000e-004</b>	<b>0.1355</b>	<b>0.0104</b>	<b>0.1459</b>	<b>0.0745</b>	<b>9.6000e-003</b>	<b>0.0841</b>	<b>0.0000</b>	<b>25.8136</b>	<b>25.8136</b>	<b>8.3500e-003</b>	<b>0.0000</b>	<b>25.9890</b>

**3.10 Phase II – Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.8000e-004	4.0300e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9032	0.9032	4.0000e-005	0.0000	0.9040
<b>Total</b>	<b>2.8000e-004</b>	<b>4.8000e-004</b>	<b>4.0300e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>3.5000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>0.9032</b>	<b>0.9032</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9040</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0610	0.0000	0.0610	0.0335	0.0000	0.0335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2200e-003	0.2582	0.1755	2.9000e-004		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	25.8136	25.8136	8.3500e-003	0.0000	25.9889
<b>Total</b>	<b>9.2200e-003</b>	<b>0.2582</b>	<b>0.1755</b>	<b>2.9000e-004</b>	<b>0.0610</b>	<b>7.2100e-003</b>	<b>0.0682</b>	<b>0.0335</b>	<b>7.2100e-003</b>	<b>0.0407</b>	<b>0.0000</b>	<b>25.8136</b>	<b>25.8136</b>	<b>8.3500e-003</b>	<b>0.0000</b>	<b>25.9889</b>

**3.10 Phase II – Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.8000e-004	4.0300e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9032	0.9032	4.0000e-005	0.0000	0.9040
<b>Total</b>	<b>2.8000e-004</b>	<b>4.8000e-004</b>	<b>4.0300e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>3.5000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>0.9032</b>	<b>0.9032</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9040</b>

**3.11 Phase II – Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0530	0.5241	0.5128	9.3000e-004		0.0233	0.0233		0.0215	0.0215	0.0000	81.4484	81.4484	0.0263	0.0000	82.0016
<b>Total</b>	<b>0.0530</b>	<b>0.5241</b>	<b>0.5128</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0233</b>	<b>0.1534</b>	<b>0.0540</b>	<b>0.0215</b>	<b>0.0754</b>	<b>0.0000</b>	<b>81.4484</b>	<b>81.4484</b>	<b>0.0263</b>	<b>0.0000</b>	<b>82.0016</b>

**3.11 Phase II – Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	1.0700e-003	8.9700e-003	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.0070	2.0070	9.0000e-005	0.0000	2.0089
<b>Total</b>	<b>6.3000e-004</b>	<b>1.0700e-003</b>	<b>8.9700e-003</b>	<b>3.0000e-005</b>	<b>2.8900e-003</b>	<b>2.0000e-005</b>	<b>2.9100e-003</b>	<b>7.7000e-004</b>	<b>2.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>2.0070</b>	<b>2.0070</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.0089</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.7642	0.5692	9.3000e-004		0.0207	0.0207		0.0207	0.0207	0.0000	81.4483	81.4483	0.0263	0.0000	82.0015
<b>Total</b>	<b>0.0284</b>	<b>0.7642</b>	<b>0.5692</b>	<b>9.3000e-004</b>	<b>0.0586</b>	<b>0.0207</b>	<b>0.0792</b>	<b>0.0243</b>	<b>0.0207</b>	<b>0.0450</b>	<b>0.0000</b>	<b>81.4483</b>	<b>81.4483</b>	<b>0.0263</b>	<b>0.0000</b>	<b>82.0015</b>

### 3.11 Phase II – Grading - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	1.0700e-003	8.9700e-003	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.0070	2.0070	9.0000e-005	0.0000	2.0089
<b>Total</b>	<b>6.3000e-004</b>	<b>1.0700e-003</b>	<b>8.9700e-003</b>	<b>3.0000e-005</b>	<b>2.8900e-003</b>	<b>2.0000e-005</b>	<b>2.9100e-003</b>	<b>7.7000e-004</b>	<b>2.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>2.0070</b>	<b>2.0070</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.0089</b>

### 3.12 Phase II – Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0783	0.7156	0.8105	1.3400e-003		0.0348	0.0348		0.0328	0.0328	0.0000	115.4223	115.4223	0.0274	0.0000	115.9980
<b>Total</b>	<b>0.0783</b>	<b>0.7156</b>	<b>0.8105</b>	<b>1.3400e-003</b>		<b>0.0348</b>	<b>0.0348</b>		<b>0.0328</b>	<b>0.0328</b>	<b>0.0000</b>	<b>115.4223</b>	<b>115.4223</b>	<b>0.0274</b>	<b>0.0000</b>	<b>115.9980</b>

**3.12 Phase II – Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2063	0.7678	2.5225	3.9800e-003	0.1058	0.0138	0.1196	0.0303	0.0127	0.0430	0.0000	336.8968	336.8968	2.5800e-003	0.0000	336.9510
Worker	0.1467	0.2493	2.0817	7.5200e-003	0.6705	4.4400e-003	0.6750	0.1782	4.1200e-003	0.1823	0.0000	465.9680	465.9680	0.0201	0.0000	466.3906
<b>Total</b>	<b>0.3530</b>	<b>1.0170</b>	<b>4.6041</b>	<b>0.0115</b>	<b>0.7763</b>	<b>0.0182</b>	<b>0.7946</b>	<b>0.2085</b>	<b>0.0168</b>	<b>0.2253</b>	<b>0.0000</b>	<b>802.8648</b>	<b>802.8648</b>	<b>0.0227</b>	<b>0.0000</b>	<b>803.3416</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0539	1.1731	0.8908	1.3400e-003		0.0451	0.0451		0.0451	0.0451	0.0000	115.4222	115.4222	0.0274	0.0000	115.9979
<b>Total</b>	<b>0.0539</b>	<b>1.1731</b>	<b>0.8908</b>	<b>1.3400e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0451</b>	<b>0.0451</b>	<b>0.0000</b>	<b>115.4222</b>	<b>115.4222</b>	<b>0.0274</b>	<b>0.0000</b>	<b>115.9979</b>

### 3.12 Phase II – Building Construction - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2063	0.7678	2.5225	3.9800e-003	0.1058	0.0138	0.1196	0.0303	0.0127	0.0430	0.0000	336.8968	336.8968	2.5800e-003	0.0000	336.9510
Worker	0.1467	0.2493	2.0817	7.5200e-003	0.6705	4.4400e-003	0.6750	0.1782	4.1200e-003	0.1823	0.0000	465.9680	465.9680	0.0201	0.0000	466.3906
<b>Total</b>	<b>0.3530</b>	<b>1.0170</b>	<b>4.6041</b>	<b>0.0115</b>	<b>0.7763</b>	<b>0.0182</b>	<b>0.7946</b>	<b>0.2085</b>	<b>0.0168</b>	<b>0.2253</b>	<b>0.0000</b>	<b>802.8648</b>	<b>802.8648</b>	<b>0.0227</b>	<b>0.0000</b>	<b>803.3416</b>

### 3.13 Phase II – Paving - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.6000e-003	0.0750	0.1071	1.7000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0548</b>	<b>0.0750</b>	<b>0.1071</b>	<b>1.7000e-004</b>		<b>3.7600e-003</b>	<b>3.7600e-003</b>		<b>3.4600e-003</b>	<b>3.4600e-003</b>	<b>0.0000</b>	<b>14.7006</b>	<b>14.7006</b>	<b>4.7500e-003</b>	<b>0.0000</b>	<b>14.8004</b>

**3.13 Phase II – Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533
<b>Total</b>	<b>2.4000e-004</b>	<b>4.0000e-004</b>	<b>3.3600e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>1.0000e-005</b>	<b>1.0900e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.7526</b>	<b>0.7526</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7533</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8400e-003	0.1478	0.1270	1.7000e-004		4.9100e-003	4.9100e-003		4.9100e-003	4.9100e-003	0.0000	14.7006	14.7006	4.7500e-003	0.0000	14.8004
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0540</b>	<b>0.1478</b>	<b>0.1270</b>	<b>1.7000e-004</b>		<b>4.9100e-003</b>	<b>4.9100e-003</b>		<b>4.9100e-003</b>	<b>4.9100e-003</b>	<b>0.0000</b>	<b>14.7006</b>	<b>14.7006</b>	<b>4.7500e-003</b>	<b>0.0000</b>	<b>14.8004</b>



**3.13 Phase II – Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	0.7526	0.7526	3.0000e-005	0.0000	0.7533
<b>Total</b>	<b>2.4000e-004</b>	<b>4.0000e-004</b>	<b>3.3600e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>1.0000e-005</b>	<b>1.0900e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.7526</b>	<b>0.7526</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7533</b>

**3.14 Phase II – Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.9782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-004	5.2100e-003	7.2400e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	1.0213	1.0213	6.0000e-005	0.0000	1.0226
<b>Total</b>	<b>2.9790</b>	<b>5.2100e-003</b>	<b>7.2400e-003</b>	<b>1.0000e-005</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>		<b>2.8000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.0213</b>	<b>1.0213</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.0226</b>

### 3.14 Phase II – Architectural Coating - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3500e-003	3.9900e-003	0.0334	1.2000e-004	0.0107	7.0000e-005	0.0108	2.8600e-003	7.0000e-005	2.9200e-003	0.0000	7.4662	7.4662	3.2000e-004	0.0000	7.4730
<b>Total</b>	<b>2.3500e-003</b>	<b>3.9900e-003</b>	<b>0.0334</b>	<b>1.2000e-004</b>	<b>0.0107</b>	<b>7.0000e-005</b>	<b>0.0108</b>	<b>2.8600e-003</b>	<b>7.0000e-005</b>	<b>2.9200e-003</b>	<b>0.0000</b>	<b>7.4662</b>	<b>7.4662</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>7.4730</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.9782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	9.4100e-003	7.3300e-003	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	1.0213	1.0213	6.0000e-005	0.0000	1.0226
<b>Total</b>	<b>2.9787</b>	<b>9.4100e-003</b>	<b>7.3300e-003</b>	<b>1.0000e-005</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.0213</b>	<b>1.0213</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.0226</b>

### 3.14 Phase II – Architectural Coating - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3500e-003	3.9900e-003	0.0334	1.2000e-004	0.0107	7.0000e-005	0.0108	2.8600e-003	7.0000e-005	2.9200e-003	0.0000	7.4662	7.4662	3.2000e-004	0.0000	7.4730
<b>Total</b>	<b>2.3500e-003</b>	<b>3.9900e-003</b>	<b>0.0334</b>	<b>1.2000e-004</b>	<b>0.0107</b>	<b>7.0000e-005</b>	<b>0.0108</b>	<b>2.8600e-003</b>	<b>7.0000e-005</b>	<b>2.9200e-003</b>	<b>0.0000</b>	<b>7.4662</b>	<b>7.4662</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>7.4730</b>

### 3.14 Phase II – Architectural Coating - 2024

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.4673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	7.3100e-003	0.0109	2.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5338
<b>Total</b>	<b>4.4684</b>	<b>7.3100e-003</b>	<b>0.0109</b>	<b>2.0000e-005</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5320</b>	<b>1.5320</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.5338</b>

### 3.14 Phase II – Architectural Coating - 2024

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3300e-003	5.6200e-003	0.0470	1.8000e-004	0.0161	1.1000e-004	0.0162	4.2800e-003	1.0000e-004	4.3800e-003	0.0000	11.0483	11.0483	4.6000e-004	0.0000	11.0581
<b>Total</b>	<b>3.3300e-003</b>	<b>5.6200e-003</b>	<b>0.0470</b>	<b>1.8000e-004</b>	<b>0.0161</b>	<b>1.1000e-004</b>	<b>0.0162</b>	<b>4.2800e-003</b>	<b>1.0000e-004</b>	<b>4.3800e-003</b>	<b>0.0000</b>	<b>11.0483</b>	<b>11.0483</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>11.0581</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.4673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	0.0141	0.0110	2.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5338
<b>Total</b>	<b>4.4680</b>	<b>0.0141</b>	<b>0.0110</b>	<b>2.0000e-005</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>1.5320</b>	<b>1.5320</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.5338</b>

**3.14 Phase II – Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3300e-003	5.6200e-003	0.0470	1.8000e-004	0.0161	1.1000e-004	0.0162	4.2800e-003	1.0000e-004	4.3800e-003	0.0000	11.0483	11.0483	4.6000e-004	0.0000	11.0581
<b>Total</b>	<b>3.3300e-003</b>	<b>5.6200e-003</b>	<b>0.0470</b>	<b>1.8000e-004</b>	<b>0.0161</b>	<b>1.1000e-004</b>	<b>0.0162</b>	<b>4.2800e-003</b>	<b>1.0000e-004</b>	<b>4.3800e-003</b>	<b>0.0000</b>	<b>11.0483</b>	<b>11.0483</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>11.0581</b>

**3.15 Phase III – Site Preparation - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0282	0.2755	0.2760	3.9000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	34.4215	34.4215	0.0111	0.0000	34.6552
<b>Total</b>	<b>0.0282</b>	<b>0.2755</b>	<b>0.2760</b>	<b>3.9000e-004</b>	<b>0.1807</b>	<b>0.0125</b>	<b>0.1932</b>	<b>0.0993</b>	<b>0.0115</b>	<b>0.1108</b>	<b>0.0000</b>	<b>34.4215</b>	<b>34.4215</b>	<b>0.0111</b>	<b>0.0000</b>	<b>34.6552</b>

### 3.15 Phase III – Site Preparation - 2024

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	6.0000e-004	5.0500e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.1880	1.1880	5.0000e-005	0.0000	1.1890
<b>Total</b>	<b>3.6000e-004</b>	<b>6.0000e-004</b>	<b>5.0500e-003</b>	<b>2.0000e-005</b>	<b>1.7300e-003</b>	<b>1.0000e-005</b>	<b>1.7400e-003</b>	<b>4.6000e-004</b>	<b>1.0000e-005</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>1.1880</b>	<b>1.1880</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.1890</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.3442	0.2340	3.9000e-004		9.6100e-003	9.6100e-003		9.6100e-003	9.6100e-003	0.0000	34.4214	34.4214	0.0111	0.0000	34.6552
<b>Total</b>	<b>0.0123</b>	<b>0.3442</b>	<b>0.2340</b>	<b>3.9000e-004</b>	<b>0.0813</b>	<b>9.6100e-003</b>	<b>0.0909</b>	<b>0.0447</b>	<b>9.6100e-003</b>	<b>0.0543</b>	<b>0.0000</b>	<b>34.4214</b>	<b>34.4214</b>	<b>0.0111</b>	<b>0.0000</b>	<b>34.6552</b>

**3.15 Phase III – Site Preparation - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	6.0000e-004	5.0500e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.1880	1.1880	5.0000e-005	0.0000	1.1890
<b>Total</b>	<b>3.6000e-004</b>	<b>6.0000e-004</b>	<b>5.0500e-003</b>	<b>2.0000e-005</b>	<b>1.7300e-003</b>	<b>1.0000e-005</b>	<b>1.7400e-003</b>	<b>4.6000e-004</b>	<b>1.0000e-005</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>1.1880</b>	<b>1.1880</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.1890</b>

**3.16 Phase III – Grading - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1518	0.0000	0.1518	0.0629	0.0000	0.0629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0588	0.5634	0.5853	1.0800e-003		0.0249	0.0249		0.0229	0.0229	0.0000	95.0008	95.0008	0.0307	0.0000	95.6460
<b>Total</b>	<b>0.0588</b>	<b>0.5634</b>	<b>0.5853</b>	<b>1.0800e-003</b>	<b>0.1518</b>	<b>0.0249</b>	<b>0.1767</b>	<b>0.0629</b>	<b>0.0229</b>	<b>0.0859</b>	<b>0.0000</b>	<b>95.0008</b>	<b>95.0008</b>	<b>0.0307</b>	<b>0.0000</b>	<b>95.6460</b>

**3.16 Phase III – Grading - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	1.1800e-003	9.8300e-003	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3100	2.3100	1.0000e-004	0.0000	2.3120
<b>Total</b>	<b>7.0000e-004</b>	<b>1.1800e-003</b>	<b>9.8300e-003</b>	<b>4.0000e-005</b>	<b>3.3700e-003</b>	<b>2.0000e-005</b>	<b>3.3900e-003</b>	<b>9.0000e-004</b>	<b>2.0000e-005</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>2.3100</b>	<b>2.3100</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.3120</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0683	0.0000	0.0683	0.0283	0.0000	0.0283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.8916	0.6640	1.0800e-003		0.0241	0.0241		0.0241	0.0241	0.0000	95.0007	95.0007	0.0307	0.0000	95.6459
<b>Total</b>	<b>0.0331</b>	<b>0.8916</b>	<b>0.6640</b>	<b>1.0800e-003</b>	<b>0.0683</b>	<b>0.0241</b>	<b>0.0924</b>	<b>0.0283</b>	<b>0.0241</b>	<b>0.0524</b>	<b>0.0000</b>	<b>95.0007</b>	<b>95.0007</b>	<b>0.0307</b>	<b>0.0000</b>	<b>95.6459</b>



**3.16 Phase III – Grading - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	1.1800e-003	9.8300e-003	4.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3100	2.3100	1.0000e-004	0.0000	2.3120
<b>Total</b>	<b>7.0000e-004</b>	<b>1.1800e-003</b>	<b>9.8300e-003</b>	<b>4.0000e-005</b>	<b>3.3700e-003</b>	<b>2.0000e-005</b>	<b>3.3900e-003</b>	<b>9.0000e-004</b>	<b>2.0000e-005</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>2.3100</b>	<b>2.3100</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.3120</b>

**3.17 Phase III – Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1429	1.3043	1.5730	2.6200e-003		0.0595	0.0595		0.0560	0.0560	0.0000	225.1168	225.1168	0.0532	0.0000	226.2330
<b>Total</b>	<b>0.1429</b>	<b>1.3043</b>	<b>1.5730</b>	<b>2.6200e-003</b>		<b>0.0595</b>	<b>0.0595</b>		<b>0.0560</b>	<b>0.0560</b>	<b>0.0000</b>	<b>225.1168</b>	<b>225.1168</b>	<b>0.0532</b>	<b>0.0000</b>	<b>226.2330</b>

### 3.17 Phase III – Building Construction - 2024

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4019	1.4814	4.8218	7.7600e-003	0.2063	0.0270	0.2333	0.0591	0.0249	0.0840	0.0000	656.9772	656.9772	5.0600e-003	0.0000	0.0000	657.0834
Worker	0.2700	0.4563	3.8130	0.0147	1.3075	8.6500e-003	1.3162	0.3475	8.0300e-003	0.3555	0.0000	896.3886	896.3886	0.0376	0.0000	0.0000	897.1790
<b>Total</b>	<b>0.6719</b>	<b>1.9378</b>	<b>8.6348</b>	<b>0.0224</b>	<b>1.5138</b>	<b>0.0357</b>	<b>1.5495</b>	<b>0.4066</b>	<b>0.0329</b>	<b>0.4395</b>	<b>0.0000</b>	<b>1,553.3658</b>	<b>1,553.3658</b>	<b>0.0427</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1,554.2624</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.1051	2.2875	1.7370	2.6200e-003		0.0879	0.0879		0.0879	0.0879	0.0000	225.1165	225.1165	0.0532	0.0000	0.0000	226.2327
<b>Total</b>	<b>0.1051</b>	<b>2.2875</b>	<b>1.7370</b>	<b>2.6200e-003</b>		<b>0.0879</b>	<b>0.0879</b>		<b>0.0879</b>	<b>0.0879</b>	<b>0.0000</b>	<b>225.1165</b>	<b>225.1165</b>	<b>0.0532</b>	<b>0.0000</b>	<b>0.0000</b>	<b>226.2327</b>

**3.17 Phase III – Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4019	1.4814	4.8218	7.7600e-003	0.2063	0.0270	0.2333	0.0591	0.0249	0.0840	0.0000	656.9772	656.9772	5.0600e-003	0.0000	657.0834
Worker	0.2700	0.4563	3.8130	0.0147	1.3075	8.6500e-003	1.3162	0.3475	8.0300e-003	0.3555	0.0000	896.3886	896.3886	0.0376	0.0000	897.1790
<b>Total</b>	<b>0.6719</b>	<b>1.9378</b>	<b>8.6348</b>	<b>0.0224</b>	<b>1.5138</b>	<b>0.0357</b>	<b>1.5495</b>	<b>0.4066</b>	<b>0.0329</b>	<b>0.4395</b>	<b>0.0000</b>	<b>1,553.3658</b>	<b>1,553.3658</b>	<b>0.0427</b>	<b>0.0000</b>	<b>1,554.2624</b>

**3.17 Phase III – Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0987	0.8997	1.1638	1.9500e-003		0.0381	0.0381		0.0358	0.0358	0.0000	167.4455	167.4455	0.0393	0.0000	168.2708
<b>Total</b>	<b>0.0987</b>	<b>0.8997</b>	<b>1.1638</b>	<b>1.9500e-003</b>		<b>0.0381</b>	<b>0.0381</b>		<b>0.0358</b>	<b>0.0358</b>	<b>0.0000</b>	<b>167.4455</b>	<b>167.4455</b>	<b>0.0393</b>	<b>0.0000</b>	<b>168.2708</b>

**3.17 Phase III – Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2915	1.0913	3.5334	5.7700e-003	0.1534	0.0202	0.1736	0.0439	0.0186	0.0625	0.0000	488.5545	488.5545	3.7700e-003	0.0000	488.6337
Worker	0.1911	0.3210	2.6894	0.0109	0.9723	6.4600e-003	0.9787	0.2584	5.9900e-003	0.2644	0.0000	658.5210	658.5210	0.0270	0.0000	659.0882
<b>Total</b>	<b>0.4826</b>	<b>1.4122</b>	<b>6.2228</b>	<b>0.0167</b>	<b>1.1257</b>	<b>0.0266</b>	<b>1.1523</b>	<b>0.3023</b>	<b>0.0246</b>	<b>0.3269</b>	<b>0.0000</b>	<b>1,147.0755</b>	<b>1,147.0755</b>	<b>0.0308</b>	<b>0.0000</b>	<b>1,147.7219</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0782	1.7010	1.2916	1.9500e-003		0.0654	0.0654		0.0654	0.0654	0.0000	167.4453	167.4453	0.0393	0.0000	168.2706
<b>Total</b>	<b>0.0782</b>	<b>1.7010</b>	<b>1.2916</b>	<b>1.9500e-003</b>		<b>0.0654</b>	<b>0.0654</b>		<b>0.0654</b>	<b>0.0654</b>	<b>0.0000</b>	<b>167.4453</b>	<b>167.4453</b>	<b>0.0393</b>	<b>0.0000</b>	<b>168.2706</b>

**3.17 Phase III – Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2915	1.0913	3.5334	5.7700e-003	0.1534	0.0202	0.1736	0.0439	0.0186	0.0625	0.0000	488.5545	488.5545	3.7700e-003	0.0000	488.6337
Worker	0.1911	0.3210	2.6894	0.0109	0.9723	6.4600e-003	0.9787	0.2584	5.9900e-003	0.2644	0.0000	658.5210	658.5210	0.0270	0.0000	659.0882
<b>Total</b>	<b>0.4826</b>	<b>1.4122</b>	<b>6.2228</b>	<b>0.0167</b>	<b>1.1257</b>	<b>0.0266</b>	<b>1.1523</b>	<b>0.3023</b>	<b>0.0246</b>	<b>0.3269</b>	<b>0.0000</b>	<b>1,147.0755</b>	<b>1,147.0755</b>	<b>0.0308</b>	<b>0.0000</b>	<b>1,147.7219</b>

**3.18 Phase III – Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5562
<b>Total</b>	<b>7.4472</b>	<b>0.0115</b>	<b>0.0181</b>	<b>3.0000e-005</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>		<b>5.2000e-004</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.5562</b>

**3.18 Phase III – Architectural Coating - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2800e-003	8.8700e-003	0.0743	3.0000e-004	0.0269	1.8000e-004	0.0270	7.1400e-003	1.7000e-004	7.3000e-003	0.0000	18.1922	18.1922	7.5000e-004	0.0000	18.2079
<b>Total</b>	<b>5.2800e-003</b>	<b>8.8700e-003</b>	<b>0.0743</b>	<b>3.0000e-004</b>	<b>0.0269</b>	<b>1.8000e-004</b>	<b>0.0270</b>	<b>7.1400e-003</b>	<b>1.7000e-004</b>	<b>7.3000e-003</b>	<b>0.0000</b>	<b>18.1922</b>	<b>18.1922</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>18.2079</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1400e-003	0.0235	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5562
<b>Total</b>	<b>7.4467</b>	<b>0.0235</b>	<b>0.0183</b>	<b>3.0000e-005</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.5562</b>

**3.18 Phase III – Architectural Coating - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2800e-003	8.8700e-003	0.0743	3.0000e-004	0.0269	1.8000e-004	0.0270	7.1400e-003	1.7000e-004	7.3000e-003	0.0000	18.1922	18.1922	7.5000e-004	0.0000	18.2079
<b>Total</b>	<b>5.2800e-003</b>	<b>8.8700e-003</b>	<b>0.0743</b>	<b>3.0000e-004</b>	<b>0.0269</b>	<b>1.8000e-004</b>	<b>0.0270</b>	<b>7.1400e-003</b>	<b>1.7000e-004</b>	<b>7.3000e-003</b>	<b>0.0000</b>	<b>18.1922</b>	<b>18.1922</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>18.2079</b>

**3.19 Phase III – Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.9700e-003	0.0842	0.1428	2.2000e-004		4.1100e-003	4.1100e-003		3.7800e-003	3.7800e-003	0.0000	19.5934	19.5934	6.3400e-003	0.0000	19.7264
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0562</b>	<b>0.0842</b>	<b>0.1428</b>	<b>2.2000e-004</b>		<b>4.1100e-003</b>	<b>4.1100e-003</b>		<b>3.7800e-003</b>	<b>3.7800e-003</b>	<b>0.0000</b>	<b>19.5934</b>	<b>19.5934</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>19.7264</b>

**3.19 Phase III – Paving - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.8000e-004	3.9900e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9781	0.9781	4.0000e-005	0.0000	0.9789
<b>Total</b>	<b>2.8000e-004</b>	<b>4.8000e-004</b>	<b>3.9900e-003</b>	<b>2.0000e-005</b>	<b>1.4400e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>0.9781</b>	<b>0.9781</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9789</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1200e-003	0.1970	0.1693	2.2000e-004		6.5400e-003	6.5400e-003		6.5400e-003	6.5400e-003	0.0000	19.5933	19.5933	6.3400e-003	0.0000	19.7264
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0563</b>	<b>0.1970</b>	<b>0.1693</b>	<b>2.2000e-004</b>		<b>6.5400e-003</b>	<b>6.5400e-003</b>		<b>6.5400e-003</b>	<b>6.5400e-003</b>	<b>0.0000</b>	<b>19.5933</b>	<b>19.5933</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>19.7264</b>



**3.19 Phase III – Paving - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.8000e-004	3.9900e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9781	0.9781	4.0000e-005	0.0000	0.9789
<b>Total</b>	<b>2.8000e-004</b>	<b>4.8000e-004</b>	<b>3.9900e-003</b>	<b>2.0000e-005</b>	<b>1.4400e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>0.9781</b>	<b>0.9781</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9789</b>

**3.20 Phases IV & V – Site Preparation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0502	0.4705	0.4978	7.8000e-004		0.0206	0.0206		0.0189	0.0189	0.0000	68.8343	68.8343	0.0223	0.0000	69.3018
<b>Total</b>	<b>0.0502</b>	<b>0.4705</b>	<b>0.4978</b>	<b>7.8000e-004</b>	<b>0.3613</b>	<b>0.0206</b>	<b>0.3819</b>	<b>0.1986</b>	<b>0.0189</b>	<b>0.2176</b>	<b>0.0000</b>	<b>68.8343</b>	<b>68.8343</b>	<b>0.0223</b>	<b>0.0000</b>	<b>69.3018</b>

**3.20 Phases IV & V – Site Preparation - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494
<b>Total</b>	<b>6.8000e-004</b>	<b>1.1400e-003</b>	<b>9.5900e-003</b>	<b>4.0000e-005</b>	<b>3.4700e-003</b>	<b>2.0000e-005</b>	<b>3.4900e-003</b>	<b>9.2000e-004</b>	<b>2.0000e-005</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.3474</b>	<b>2.3474</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.3494</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.6885	0.4680	7.8000e-004		0.0192	0.0192		0.0192	0.0192	0.0000	68.8342	68.8342	0.0223	0.0000	69.3017
<b>Total</b>	<b>0.0246</b>	<b>0.6885</b>	<b>0.4680</b>	<b>7.8000e-004</b>	<b>0.1626</b>	<b>0.0192</b>	<b>0.1818</b>	<b>0.0894</b>	<b>0.0192</b>	<b>0.1086</b>	<b>0.0000</b>	<b>68.8342</b>	<b>68.8342</b>	<b>0.0223</b>	<b>0.0000</b>	<b>69.3017</b>

**3.20 Phases IV & V – Site Preparation - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494
<b>Total</b>	<b>6.8000e-004</b>	<b>1.1400e-003</b>	<b>9.5900e-003</b>	<b>4.0000e-005</b>	<b>3.4700e-003</b>	<b>2.0000e-005</b>	<b>3.4900e-003</b>	<b>9.2000e-004</b>	<b>2.0000e-005</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.3474</b>	<b>2.3474</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.3494</b>

**3.21 Phases IV & V – Grading - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5855	0.0000	0.5855	0.2428	0.0000	0.2428	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0540	0.4907	0.5643	1.1100e-003		0.0214	0.0214		0.0197	0.0197	0.0000	97.6878	97.6878	0.0316	0.0000	98.3513
<b>Total</b>	<b>0.0540</b>	<b>0.4907</b>	<b>0.5643</b>	<b>1.1100e-003</b>	<b>0.5855</b>	<b>0.0214</b>	<b>0.6068</b>	<b>0.2428</b>	<b>0.0197</b>	<b>0.2624</b>	<b>0.0000</b>	<b>97.6878</b>	<b>97.6878</b>	<b>0.0316</b>	<b>0.0000</b>	<b>98.3513</b>

**3.21 Phases IV & V – Grading - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494
<b>Total</b>	<b>6.8000e-004</b>	<b>1.1400e-003</b>	<b>9.5900e-003</b>	<b>4.0000e-005</b>	<b>3.4700e-003</b>	<b>2.0000e-005</b>	<b>3.4900e-003</b>	<b>9.2000e-004</b>	<b>2.0000e-005</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.3474</b>	<b>2.3474</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.3494</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2635	0.0000	0.2635	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0341	0.9170	0.6830	1.1100e-003		0.0248	0.0248		0.0248	0.0248	0.0000	97.6877	97.6877	0.0316	0.0000	98.3511
<b>Total</b>	<b>0.0341</b>	<b>0.9170</b>	<b>0.6830</b>	<b>1.1100e-003</b>	<b>0.2635</b>	<b>0.0248</b>	<b>0.2883</b>	<b>0.1092</b>	<b>0.0248</b>	<b>0.1341</b>	<b>0.0000</b>	<b>97.6877</b>	<b>97.6877</b>	<b>0.0316</b>	<b>0.0000</b>	<b>98.3511</b>

**3.21 Phases IV & V – Grading - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.1400e-003	9.5900e-003	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3474	2.3474	1.0000e-004	0.0000	2.3494
<b>Total</b>	<b>6.8000e-004</b>	<b>1.1400e-003</b>	<b>9.5900e-003</b>	<b>4.0000e-005</b>	<b>3.4700e-003</b>	<b>2.0000e-005</b>	<b>3.4900e-003</b>	<b>9.2000e-004</b>	<b>2.0000e-005</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.3474</b>	<b>2.3474</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>2.3494</b>

**3.21 Phases IV & V – Grading - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5855	0.0000	0.5855	0.2428	0.0000	0.2428	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1486	1.3494	1.5519	3.0600e-003		0.0587	0.0587		0.0540	0.0540	0.0000	268.6414	268.6414	0.0869	0.0000	270.4660
<b>Total</b>	<b>0.1486</b>	<b>1.3494</b>	<b>1.5519</b>	<b>3.0600e-003</b>	<b>0.5855</b>	<b>0.0587</b>	<b>0.6442</b>	<b>0.2428</b>	<b>0.0540</b>	<b>0.2968</b>	<b>0.0000</b>	<b>268.6414</b>	<b>268.6414</b>	<b>0.0869</b>	<b>0.0000</b>	<b>270.4660</b>

**3.21 Phases IV & V – Grading - 2026**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	2.9900e-003	0.0252	1.1000e-004	9.5300e-003	6.0000e-005	9.5900e-003	2.5300e-003	6.0000e-005	2.5900e-003	0.0000	6.3872	6.3872	2.6000e-004	0.0000	6.3925
<b>Total</b>	<b>1.7900e-003</b>	<b>2.9900e-003</b>	<b>0.0252</b>	<b>1.1000e-004</b>	<b>9.5300e-003</b>	<b>6.0000e-005</b>	<b>9.5900e-003</b>	<b>2.5300e-003</b>	<b>6.0000e-005</b>	<b>2.5900e-003</b>	<b>0.0000</b>	<b>6.3872</b>	<b>6.3872</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>6.3925</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2635	0.0000	0.2635	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0937	2.5219	1.8782	3.0600e-003		0.0682	0.0682		0.0682	0.0682	0.0000	268.6411	268.6411	0.0869	0.0000	270.4656
<b>Total</b>	<b>0.0937</b>	<b>2.5219</b>	<b>1.8782</b>	<b>3.0600e-003</b>	<b>0.2635</b>	<b>0.0682</b>	<b>0.3317</b>	<b>0.1092</b>	<b>0.0682</b>	<b>0.1775</b>	<b>0.0000</b>	<b>268.6411</b>	<b>268.6411</b>	<b>0.0869</b>	<b>0.0000</b>	<b>270.4656</b>

**3.21 Phases IV & V – Grading - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	2.9900e-003	0.0252	1.1000e-004	9.5300e-003	6.0000e-005	9.5900e-003	2.5300e-003	6.0000e-005	2.5900e-003	0.0000	6.3872	6.3872	2.6000e-004	0.0000	6.3925
<b>Total</b>	<b>1.7900e-003</b>	<b>2.9900e-003</b>	<b>0.0252</b>	<b>1.1000e-004</b>	<b>9.5300e-003</b>	<b>6.0000e-005</b>	<b>9.5900e-003</b>	<b>2.5300e-003</b>	<b>6.0000e-005</b>	<b>2.5900e-003</b>	<b>0.0000</b>	<b>6.3872</b>	<b>6.3872</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>6.3925</b>

**3.22 Phases IV & V – Building Construction - 2026**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1103	1.0052	1.3002	2.1700e-003		0.0425	0.0425		0.0400	0.0400	0.0000	187.0770	187.0770	0.0439	0.0000	187.9991
<b>Total</b>	<b>0.1103</b>	<b>1.0052</b>	<b>1.3002</b>	<b>2.1700e-003</b>		<b>0.0425</b>	<b>0.0425</b>		<b>0.0400</b>	<b>0.0400</b>	<b>0.0000</b>	<b>187.0770</b>	<b>187.0770</b>	<b>0.0439</b>	<b>0.0000</b>	<b>187.9991</b>

### 3.22 Phases IV & V – Building Construction - 2026

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3283	1.2040	3.8774	6.4500e-003	0.1714	0.0224	0.1938	0.0491	0.0206	0.0697	0.0000	545.9004	545.9004	4.2000e-003	0.0000	545.9886
Worker	0.2039	0.3413	2.8669	0.0122	1.0863	7.2800e-003	1.0935	0.2887	6.7500e-003	0.2954	0.0000	727.9611	727.9611	0.0292	0.0000	728.5751
<b>Total</b>	<b>0.5323</b>	<b>1.5453</b>	<b>6.7443</b>	<b>0.0186</b>	<b>1.2577</b>	<b>0.0297</b>	<b>1.2874</b>	<b>0.3378</b>	<b>0.0274</b>	<b>0.3651</b>	<b>0.0000</b>	<b>1,273.8614</b>	<b>1,273.8614</b>	<b>0.0334</b>	<b>0.0000</b>	<b>1,274.5637</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0873	1.9004	1.4431	2.1700e-003		0.0730	0.0730		0.0730	0.0730	0.0000	187.0768	187.0768	0.0439	0.0000	187.9989
<b>Total</b>	<b>0.0873</b>	<b>1.9004</b>	<b>1.4431</b>	<b>2.1700e-003</b>		<b>0.0730</b>	<b>0.0730</b>		<b>0.0730</b>	<b>0.0730</b>	<b>0.0000</b>	<b>187.0768</b>	<b>187.0768</b>	<b>0.0439</b>	<b>0.0000</b>	<b>187.9989</b>



**3.22 Phases IV & V – Building Construction - 2026**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3283	1.2040	3.8774	6.4500e-003	0.1714	0.0224	0.1938	0.0491	0.0206	0.0697	0.0000	545.9004	545.9004	4.2000e-003	0.0000	545.9886
Worker	0.2039	0.3413	2.8669	0.0122	1.0863	7.2800e-003	1.0935	0.2887	6.7500e-003	0.2954	0.0000	727.9611	727.9611	0.0292	0.0000	728.5751
<b>Total</b>	<b>0.5323</b>	<b>1.5453</b>	<b>6.7443</b>	<b>0.0186</b>	<b>1.2577</b>	<b>0.0297</b>	<b>1.2874</b>	<b>0.3378</b>	<b>0.0274</b>	<b>0.3651</b>	<b>0.0000</b>	<b>1,273.8614</b>	<b>1,273.8614</b>	<b>0.0334</b>	<b>0.0000</b>	<b>1,274.5637</b>

**3.22 Phases IV & V – Building Construction - 2027**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.22 Phases IV & V – Building Construction - 2027

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4935	1.9182	5.8608	0.0104	0.2762	0.0362	0.3123	0.0791	0.0333	0.1124	0.0000	879.5792	879.5792	6.7800e-003	0.0000	879.7216
Worker	0.3146	0.5247	4.4203	0.0196	1.7501	0.0118	1.7619	0.4651	0.0110	0.4760	0.0000	1,161.9355	1,161.9355	0.0458	0.0000	1,162.8964
<b>Total</b>	<b>0.8081</b>	<b>2.4428</b>	<b>10.2811</b>	<b>0.0300</b>	<b>2.0263</b>	<b>0.0480</b>	<b>2.0742</b>	<b>0.5442</b>	<b>0.0442</b>	<b>0.5884</b>	<b>0.0000</b>	<b>2,041.5146</b>	<b>2,041.5146</b>	<b>0.0525</b>	<b>0.0000</b>	<b>2,042.6180</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1407	3.0617	2.3249	3.5000e-003		0.1177	0.1177		0.1177	0.1177	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1407</b>	<b>3.0617</b>	<b>2.3249</b>	<b>3.5000e-003</b>		<b>0.1177</b>	<b>0.1177</b>		<b>0.1177</b>	<b>0.1177</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

**3.22 Phases IV & V – Building Construction - 2027**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4935	1.9182	5.8608	0.0104	0.2762	0.0362	0.3123	0.0791	0.0333	0.1124	0.0000	879.5792	879.5792	6.7800e-003	0.0000	879.7216
Worker	0.3146	0.5247	4.4203	0.0196	1.7501	0.0118	1.7619	0.4651	0.0110	0.4760	0.0000	1,161.9355	1,161.9355	0.0458	0.0000	1,162.8964
<b>Total</b>	<b>0.8081</b>	<b>2.4428</b>	<b>10.2811</b>	<b>0.0300</b>	<b>2.0263</b>	<b>0.0480</b>	<b>2.0742</b>	<b>0.5442</b>	<b>0.0442</b>	<b>0.5884</b>	<b>0.0000</b>	<b>2,041.5146</b>	<b>2,041.5146</b>	<b>0.0525</b>	<b>0.0000</b>	<b>2,042.6180</b>

**3.22 Phases IV & V – Building Construction - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1375	1.2534	1.6212	2.7100e-003		0.0530	0.0530		0.0499	0.0499	0.0000	233.2689	233.2689	0.0548	0.0000	234.4186
<b>Total</b>	<b>0.1375</b>	<b>1.2534</b>	<b>1.6212</b>	<b>2.7100e-003</b>		<b>0.0530</b>	<b>0.0530</b>		<b>0.0499</b>	<b>0.0499</b>	<b>0.0000</b>	<b>233.2689</b>	<b>233.2689</b>	<b>0.0548</b>	<b>0.0000</b>	<b>234.4186</b>

### 3.22 Phases IV & V – Building Construction - 2028

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3712	1.4697	4.2453	8.0300e-003	0.2138	0.0280	0.2417	0.0612	0.0257	0.0869	0.0000	680.8110	680.8110	5.2500e-003	0.0000	680.9213
Worker	0.2336	0.3883	3.2854	0.0152	1.3545	9.1900e-003	1.3637	0.3600	8.5300e-003	0.3685	0.0000	892.0110	892.0110	0.0345	0.0000	892.7350
<b>Total</b>	<b>0.6048</b>	<b>1.8580</b>	<b>7.5306</b>	<b>0.0232</b>	<b>1.5682</b>	<b>0.0371</b>	<b>1.6054</b>	<b>0.4212</b>	<b>0.0342</b>	<b>0.4554</b>	<b>0.0000</b>	<b>1,572.8220</b>	<b>1,572.8220</b>	<b>0.0397</b>	<b>0.0000</b>	<b>1,573.6562</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1089	2.3696	1.7994	2.7100e-003		0.0911	0.0911		0.0911	0.0911	0.0000	233.2686	233.2686	0.0548	0.0000	234.4183
<b>Total</b>	<b>0.1089</b>	<b>2.3696</b>	<b>1.7994</b>	<b>2.7100e-003</b>		<b>0.0911</b>	<b>0.0911</b>		<b>0.0911</b>	<b>0.0911</b>	<b>0.0000</b>	<b>233.2686</b>	<b>233.2686</b>	<b>0.0548</b>	<b>0.0000</b>	<b>234.4183</b>

### 3.22 Phases IV & V – Building Construction - 2028

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3712	1.4697	4.2453	8.0300e-003	0.2138	0.0280	0.2417	0.0612	0.0257	0.0869	0.0000	680.8110	680.8110	5.2500e-003	0.0000	680.9213
Worker	0.2336	0.3883	3.2854	0.0152	1.3545	9.1900e-003	1.3637	0.3600	8.5300e-003	0.3685	0.0000	892.0110	892.0110	0.0345	0.0000	892.7350
<b>Total</b>	<b>0.6048</b>	<b>1.8580</b>	<b>7.5306</b>	<b>0.0232</b>	<b>1.5682</b>	<b>0.0371</b>	<b>1.6054</b>	<b>0.4212</b>	<b>0.0342</b>	<b>0.4554</b>	<b>0.0000</b>	<b>1,572.8220</b>	<b>1,572.8220</b>	<b>0.0397</b>	<b>0.0000</b>	<b>1,573.6562</b>

### 3.23 Phases IV & V – Architectural Coating - 2028

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4733
<b>Total</b>	<b>7.4485</b>	<b>0.0201</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>9.0000e-004</b>	<b>9.0000e-004</b>		<b>9.0000e-004</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>4.4733</b>

### 3.23 Phases IV & V – Architectural Coating - 2028

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1100e-003	0.0135	0.1140	5.3000e-004	0.0470	3.2000e-004	0.0473	0.0125	3.0000e-004	0.0128	0.0000	30.9557	30.9557	1.2000e-003	0.0000	30.9808
<b>Total</b>	<b>8.1100e-003</b>	<b>0.0135</b>	<b>0.1140</b>	<b>5.3000e-004</b>	<b>0.0470</b>	<b>3.2000e-004</b>	<b>0.0473</b>	<b>0.0125</b>	<b>3.0000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>30.9557</b>	<b>30.9557</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>30.9808</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0412	0.0321	5.0000e-005		1.6600e-003	1.6600e-003		1.6600e-003	1.6600e-003	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4733
<b>Total</b>	<b>7.4475</b>	<b>0.0412</b>	<b>0.0321</b>	<b>5.0000e-005</b>		<b>1.6600e-003</b>	<b>1.6600e-003</b>		<b>1.6600e-003</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>4.4733</b>

### 3.23 Phases IV & V – Architectural Coating - 2028

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1100e-003	0.0135	0.1140	5.3000e-004	0.0470	3.2000e-004	0.0473	0.0125	3.0000e-004	0.0128	0.0000	30.9557	30.9557	1.2000e-003	0.0000	30.9808
<b>Total</b>	<b>8.1100e-003</b>	<b>0.0135</b>	<b>0.1140</b>	<b>5.3000e-004</b>	<b>0.0470</b>	<b>3.2000e-004</b>	<b>0.0473</b>	<b>0.0125</b>	<b>3.0000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>30.9557</b>	<b>30.9557</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>30.9808</b>

### 3.24 Phases IV & V – Paving - 2028

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.0969	0.1642	2.6000e-004		4.7300e-003	4.7300e-003		4.3500e-003	4.3500e-003	0.0000	22.5324	22.5324	7.2900e-003	0.0000	22.6854
Paving	0.0362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0465</b>	<b>0.0969</b>	<b>0.1642</b>	<b>2.6000e-004</b>		<b>4.7300e-003</b>	<b>4.7300e-003</b>		<b>4.3500e-003</b>	<b>4.3500e-003</b>	<b>0.0000</b>	<b>22.5324</b>	<b>22.5324</b>	<b>7.2900e-003</b>	<b>0.0000</b>	<b>22.6854</b>

**3.24 Phases IV & V – Paving - 2028**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	4.8000e-004	4.0300e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.0937	1.0937	4.0000e-005	0.0000	1.0946
<b>Total</b>	<b>2.9000e-004</b>	<b>4.8000e-004</b>	<b>4.0300e-003</b>	<b>2.0000e-005</b>	<b>1.6600e-003</b>	<b>1.0000e-005</b>	<b>1.6700e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.0937</b>	<b>1.0937</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.0946</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.2266	0.1947	2.6000e-004		7.5200e-003	7.5200e-003		7.5200e-003	7.5200e-003	0.0000	22.5323	22.5323	7.2900e-003	0.0000	22.6854
Paving	0.0362					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0467</b>	<b>0.2266</b>	<b>0.1947</b>	<b>2.6000e-004</b>		<b>7.5200e-003</b>	<b>7.5200e-003</b>		<b>7.5200e-003</b>	<b>7.5200e-003</b>	<b>0.0000</b>	<b>22.5323</b>	<b>22.5323</b>	<b>7.2900e-003</b>	<b>0.0000</b>	<b>22.6854</b>



**3.24 Phases IV & V – Paving - 2028**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	4.8000e-004	4.0300e-003	2.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.0937	1.0937	4.0000e-005	0.0000	1.0946
<b>Total</b>	<b>2.9000e-004</b>	<b>4.8000e-004</b>	<b>4.0300e-003</b>	<b>2.0000e-005</b>	<b>1.6600e-003</b>	<b>1.0000e-005</b>	<b>1.6700e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.0937</b>	<b>1.0937</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.0946</b>

**3.24 Phases IV & V – Paving - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1400e-003	0.0295	0.0500	8.0000e-005		1.4400e-003	1.4400e-003		1.3200e-003	1.3200e-003	0.0000	6.8577	6.8577	2.2200e-003	0.0000	6.9043
Paving	0.0110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0142</b>	<b>0.0295</b>	<b>0.0500</b>	<b>8.0000e-005</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>		<b>1.3200e-003</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>6.8577</b>	<b>6.8577</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>6.9043</b>

**3.24 Phases IV & V – Paving - 2029**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.4000e-004	1.1800e-003	1.0000e-005	5.1000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	0.0000	0.3308
<b>Total</b>	<b>8.0000e-005</b>	<b>1.4000e-004</b>	<b>1.1800e-003</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3305</b>	<b>0.3305</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3308</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1900e-003	0.0690	0.0593	8.0000e-005		2.2900e-003	2.2900e-003		2.2900e-003	2.2900e-003	0.0000	6.8577	6.8577	2.2200e-003	0.0000	6.9042
Paving	0.0110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0142</b>	<b>0.0690</b>	<b>0.0593</b>	<b>8.0000e-005</b>		<b>2.2900e-003</b>	<b>2.2900e-003</b>		<b>2.2900e-003</b>	<b>2.2900e-003</b>	<b>0.0000</b>	<b>6.8577</b>	<b>6.8577</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>6.9042</b>

**3.24 Phases IV & V – Paving - 2029**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.4000e-004	1.1800e-003	1.0000e-005	5.1000e-004	0.0000	5.1000e-004	1.3000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	0.0000	0.3308
<b>Total</b>	<b>8.0000e-005</b>	<b>1.4000e-004</b>	<b>1.1800e-003</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3305</b>	<b>0.3305</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3308</b>

**3.25 Phase VI – Site Preparation - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2700e-003	0.0588	0.0622	1.0000e-004		2.5700e-003	2.5700e-003		2.3700e-003	2.3700e-003	0.0000	8.6043	8.6043	2.7800e-003	0.0000	8.6627
<b>Total</b>	<b>6.2700e-003</b>	<b>0.0588</b>	<b>0.0622</b>	<b>1.0000e-004</b>	<b>0.0452</b>	<b>2.5700e-003</b>	<b>0.0477</b>	<b>0.0248</b>	<b>2.3700e-003</b>	<b>0.0272</b>	<b>0.0000</b>	<b>8.6043</b>	<b>8.6043</b>	<b>2.7800e-003</b>	<b>0.0000</b>	<b>8.6627</b>

**3.25 Phase VI – Site Preparation - 2029**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.2000e-004	1.0100e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.2833	0.2833	1.0000e-005	0.0000	0.2835
<b>Total</b>	<b>7.0000e-005</b>	<b>1.2000e-004</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.2833</b>	<b>0.2833</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2835</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e-003	0.0861	0.0585	1.0000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	8.6043	8.6043	2.7800e-003	0.0000	8.6627
<b>Total</b>	<b>3.0700e-003</b>	<b>0.0861</b>	<b>0.0585</b>	<b>1.0000e-004</b>	<b>0.0203</b>	<b>2.4000e-003</b>	<b>0.0227</b>	<b>0.0112</b>	<b>2.4000e-003</b>	<b>0.0136</b>	<b>0.0000</b>	<b>8.6043</b>	<b>8.6043</b>	<b>2.7800e-003</b>	<b>0.0000</b>	<b>8.6627</b>

**3.25 Phase VI – Site Preparation - 2029**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.2000e-004	1.0100e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.2833	0.2833	1.0000e-005	0.0000	0.2835
<b>Total</b>	<b>7.0000e-005</b>	<b>1.2000e-004</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.2833</b>	<b>0.2833</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2835</b>

**3.26 Phase VI – Grading - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0651	0.0000	0.0651	0.0270	0.0000	0.0270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0225	0.2045	0.2351	4.6000e-004		8.9000e-003	8.9000e-003		8.1900e-003	8.1900e-003	0.0000	40.7032	40.7032	0.0132	0.0000	40.9797
<b>Total</b>	<b>0.0225</b>	<b>0.2045</b>	<b>0.2351</b>	<b>4.6000e-004</b>	<b>0.0651</b>	<b>8.9000e-003</b>	<b>0.0740</b>	<b>0.0270</b>	<b>8.1900e-003</b>	<b>0.0352</b>	<b>0.0000</b>	<b>40.7032</b>	<b>40.7032</b>	<b>0.0132</b>	<b>0.0000</b>	<b>40.9797</b>

**3.26 Phase VI – Grading - 2029**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9443	0.9443	4.0000e-005	0.0000	0.9451
<b>Total</b>	<b>2.4000e-004</b>	<b>4.0000e-004</b>	<b>3.3600e-003</b>	<b>2.0000e-005</b>	<b>1.4400e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>0.9443</b>	<b>0.9443</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9451</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0293	0.0000	0.0293	0.0121	0.0000	0.0121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0142	0.3821	0.2846	4.6000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	40.7032	40.7032	0.0132	0.0000	40.9796
<b>Total</b>	<b>0.0142</b>	<b>0.3821</b>	<b>0.2846</b>	<b>4.6000e-004</b>	<b>0.0293</b>	<b>0.0103</b>	<b>0.0396</b>	<b>0.0121</b>	<b>0.0103</b>	<b>0.0225</b>	<b>0.0000</b>	<b>40.7032</b>	<b>40.7032</b>	<b>0.0132</b>	<b>0.0000</b>	<b>40.9796</b>

**3.26 Phase VI – Grading - 2029**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	4.0000e-004	3.3600e-003	2.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9443	0.9443	4.0000e-005	0.0000	0.9451
<b>Total</b>	<b>2.4000e-004</b>	<b>4.0000e-004</b>	<b>3.3600e-003</b>	<b>2.0000e-005</b>	<b>1.4400e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>0.9443</b>	<b>0.9443</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.9451</b>

**3.27 Phase VI – Building Construction - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1021	0.9307	1.2039	2.0100e-003		0.0394	0.0394		0.0370	0.0370	0.0000	173.2195	173.2195	0.0407	0.0000	174.0732
<b>Total</b>	<b>0.1021</b>	<b>0.9307</b>	<b>1.2039</b>	<b>2.0100e-003</b>		<b>0.0394</b>	<b>0.0394</b>		<b>0.0370</b>	<b>0.0370</b>	<b>0.0000</b>	<b>173.2195</b>	<b>173.2195</b>	<b>0.0407</b>	<b>0.0000</b>	<b>174.0732</b>

**3.27 Phase VI – Building Construction - 2029**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2731	1.0876	3.1408	5.9600e-003	0.1588	0.0208	0.1795	0.0455	0.0191	0.0646	0.0000	505.6291	505.6291	3.9000e-003	0.0000	505.7110
Worker	0.1662	0.2756	2.3413	0.0113	1.0058	6.8600e-003	1.0127	0.2673	6.3600e-003	0.2737	0.0000	657.7247	657.7247	0.0249	0.0000	658.2480
<b>Total</b>	<b>0.4392</b>	<b>1.3632</b>	<b>5.4820</b>	<b>0.0172</b>	<b>1.1646</b>	<b>0.0276</b>	<b>1.1922</b>	<b>0.3128</b>	<b>0.0255</b>	<b>0.3382</b>	<b>0.0000</b>	<b>1,163.3538</b>	<b>1,163.3538</b>	<b>0.0288</b>	<b>0.0000</b>	<b>1,163.9590</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0809	1.7596	1.3362	2.0100e-003		0.0676	0.0676		0.0676	0.0676	0.0000	173.2193	173.2193	0.0407	0.0000	174.0730
<b>Total</b>	<b>0.0809</b>	<b>1.7596</b>	<b>1.3362</b>	<b>2.0100e-003</b>		<b>0.0676</b>	<b>0.0676</b>		<b>0.0676</b>	<b>0.0676</b>	<b>0.0000</b>	<b>173.2193</b>	<b>173.2193</b>	<b>0.0407</b>	<b>0.0000</b>	<b>174.0730</b>



**3.27 Phase VI – Building Construction - 2029**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2731	1.0876	3.1408	5.9600e-003	0.1588	0.0208	0.1795	0.0455	0.0191	0.0646	0.0000	505.6291	505.6291	3.9000e-003	0.0000	505.7110
Worker	0.1662	0.2756	2.3413	0.0113	1.0058	6.8600e-003	1.0127	0.2673	6.3600e-003	0.2737	0.0000	657.7247	657.7247	0.0249	0.0000	658.2480
<b>Total</b>	<b>0.4392</b>	<b>1.3632</b>	<b>5.4820</b>	<b>0.0172</b>	<b>1.1646</b>	<b>0.0276</b>	<b>1.1922</b>	<b>0.3128</b>	<b>0.0255</b>	<b>0.3382</b>	<b>0.0000</b>	<b>1,163.3538</b>	<b>1,163.3538</b>	<b>0.0288</b>	<b>0.0000</b>	<b>1,163.9590</b>

**3.28 Phase VI – Architectural Coating - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5400e-003	0.0103	0.0163	3.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3006
<b>Total</b>	<b>7.4471</b>	<b>0.0103</b>	<b>0.0163</b>	<b>3.0000e-005</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3006</b>

### 3.28 Phase VI – Architectural Coating - 2029

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9900e-003	6.6200e-003	0.0563	2.7000e-004	0.0242	1.6000e-004	0.0243	6.4200e-003	1.5000e-004	6.5800e-003	0.0000	15.8081	15.8081	6.0000e-004	0.0000	15.8206
<b>Total</b>	<b>3.9900e-003</b>	<b>6.6200e-003</b>	<b>0.0563</b>	<b>2.7000e-004</b>	<b>0.0242</b>	<b>1.6000e-004</b>	<b>0.0243</b>	<b>6.4200e-003</b>	<b>1.5000e-004</b>	<b>6.5800e-003</b>	<b>0.0000</b>	<b>15.8081</b>	<b>15.8081</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>15.8206</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4455					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0300e-003	0.0212	0.0165	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	2.2979	2.2979	1.3000e-004	0.0000	2.3006
<b>Total</b>	<b>7.4465</b>	<b>0.0212</b>	<b>0.0165</b>	<b>3.0000e-005</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3006</b>

### 3.28 Phase VI – Architectural Coating - 2029

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9900e-003	6.6200e-003	0.0563	2.7000e-004	0.0242	1.6000e-004	0.0243	6.4200e-003	1.5000e-004	6.5800e-003	0.0000	15.8081	15.8081	6.0000e-004	0.0000	15.8206
<b>Total</b>	<b>3.9900e-003</b>	<b>6.6200e-003</b>	<b>0.0563</b>	<b>2.7000e-004</b>	<b>0.0242</b>	<b>1.6000e-004</b>	<b>0.0243</b>	<b>6.4200e-003</b>	<b>1.5000e-004</b>	<b>6.5800e-003</b>	<b>0.0000</b>	<b>15.8081</b>	<b>15.8081</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>15.8206</b>

### 3.29 Phase VI – Paving - 2029

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2400e-003	0.0211	0.0357	6.0000e-005		1.0300e-003	1.0300e-003		9.5000e-004	9.5000e-004	0.0000	4.8983	4.8983	1.5800e-003	0.0000	4.9316
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0494</b>	<b>0.0211</b>	<b>0.0357</b>	<b>6.0000e-005</b>		<b>1.0300e-003</b>	<b>1.0300e-003</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>4.8983</b>	<b>4.8983</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>4.9316</b>

**3.29 Phase VI – Paving - 2029**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	1.0000e-004	8.4000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2361	0.2361	1.0000e-005	0.0000	0.2363
<b>Total</b>	<b>6.0000e-005</b>	<b>1.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2361</b>	<b>0.2361</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2363</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2800e-003	0.0493	0.0423	6.0000e-005		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	4.8983	4.8983	1.5800e-003	0.0000	4.9316
Paving	0.0472					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0495</b>	<b>0.0493</b>	<b>0.0423</b>	<b>6.0000e-005</b>		<b>1.6400e-003</b>	<b>1.6400e-003</b>		<b>1.6400e-003</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.8983</b>	<b>4.8983</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>4.9316</b>

### 3.29 Phase VI – Paving - 2029

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	1.0000e-004	8.4000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2361	0.2361	1.0000e-005	0.0000	0.2363	
<b>Total</b>	<b>6.0000e-005</b>	<b>1.0000e-004</b>	<b>8.4000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2361</b>	<b>0.2361</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2363</b>	

## 4.0 Operational Detail - Mobile

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### 4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Increase Transit Accessibility
- Improve Pedestrian Network
- Expand Transit Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5989	4.6767	21.7900	0.0718	4.9988	0.0902	5.0890	1.3396	0.0833	1.4229	0.0000	4,751.2365	4,751.2365	0.1334	0.0000	4,754.0384
Unmitigated	2.7440	5.3839	24.4339	0.0859	6.0219	0.1061	6.1280	1.6138	0.0979	1.7117	0.0000	5,683.4560	5,683.4560	0.1575	0.0000	5,686.7632

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	823.75	895.00	758.75	2,095,877	1,739,787
City Park	30.34	30.34	30.34	61,654	51,179
Condo/Townhouse	1,298.23	1,410.52	1,195.79	3,303,102	2,741,904
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	644.10	749.55	378.60	897,003	744,602
Single Family Housing	966.57	1,018.08	885.77	2,445,958	2,030,389
Single Family Housing	2,842.29	2,993.76	2,604.69	7,192,571	5,970,551
<b>Total</b>	<b>6,605.28</b>	<b>7,097.25</b>	<b>5,853.94</b>	<b>15,996,165</b>	<b>13,278,411</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
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.457871	0.042296	0.214250	0.146969	0.067525	0.009931	0.017760	0.024978	0.002423	0.001427	0.009102	0.000742	0.004726

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	955.8829	955.8829	0.0432	8.9400e-003	959.5627
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,408.0658	1,408.0658	0.0637	0.0132	1,413.4864
NaturalGas Mitigated	0.0808	0.6905	0.2944	4.4100e-003		0.0558	0.0558		0.0558	0.0558	0.0000	799.5845	799.5845	0.0153	0.0147	804.4506
NaturalGas Unmitigated	0.1021	0.8725	0.3720	5.5700e-003		0.0705	0.0705		0.0705	0.0705	0.0000	1,010.3060	1,010.3060	0.0194	0.0185	1,016.4545



### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.01595e+006	5.4800e-003	0.0468	0.0199	3.0000e-004		3.7800e-003	3.7800e-003		3.7800e-003	3.7800e-003	0.0000	54.2151	54.2151	1.0400e-003	9.9000e-004	54.5450
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	3.8365e+006	0.0207	0.1768	0.0752	1.1300e-003		0.0143	0.0143		0.0143	0.0143	0.0000	204.7302	204.7302	3.9200e-003	3.7500e-003	205.9761
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	37350	2.0000e-004	1.8300e-003	1.5400e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9931	1.9931	4.0000e-005	4.0000e-005	2.0053
Single Family Housing	1.0479e+007	0.0565	0.4829	0.2055	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	559.2014	559.2014	0.0107	0.0103	562.6046
Single Family Housing	3.56358e+006	0.0192	0.1642	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.1661	190.1661	3.6400e-003	3.4900e-003	191.3235
<b>Total</b>		<b>0.1021</b>	<b>0.8725</b>	<b>0.3720</b>	<b>5.5700e-003</b>		<b>0.0705</b>	<b>0.0705</b>		<b>0.0705</b>	<b>0.0705</b>	<b>0.0000</b>	<b>1,010.3060</b>	<b>1,010.3060</b>	<b>0.0194</b>	<b>0.0185</b>	<b>1,016.4545</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	816214	4.4000e-003	0.0376	0.0160	2.4000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	43.5563	43.5563	8.3000e-004	8.0000e-004	43.8214
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	3.02271e+006	0.0163	0.1393	0.0593	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.3033	161.3033	3.0900e-003	2.9600e-003	162.2850
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28012.5	1.5000e-004	1.3700e-003	1.1500e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4949	1.4949	3.0000e-005	3.0000e-005	1.5040
Single Family Housing	2.82107e+006	0.0152	0.1300	0.0553	8.3000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	150.5433	150.5433	2.8900e-003	2.7600e-003	151.4595
Single Family Housing	8.29564e+006	0.0447	0.3823	0.1627	2.4400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	442.6867	442.6867	8.4800e-003	8.1200e-003	445.3809
<b>Total</b>		<b>0.0808</b>	<b>0.6905</b>	<b>0.2944</b>	<b>4.4100e-003</b>		<b>0.0558</b>	<b>0.0558</b>		<b>0.0558</b>	<b>0.0558</b>	<b>0.0000</b>	<b>799.5845</b>	<b>799.5845</b>	<b>0.0153</b>	<b>0.0147</b>	<b>804.4506</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	440820	128.2396	5.8000e-003	1.2000e-003	128.7333
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	849306	247.0730	0.0112	2.3100e-003	248.0241
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	559680	162.8173	7.3600e-003	1.5200e-003	163.4441
Regional Shopping Center	175350	51.0113	2.3100e-003	4.8000e-004	51.2077
Single Family Housing	2.10066e+006	611.1070	0.0276	5.7200e-003	613.4596
Single Family Housing	714367	207.8175	9.4000e-003	1.9400e-003	208.6176
<b>Total</b>		<b>1,408.0658</b>	<b>0.0637</b>	<b>0.0132</b>	<b>1,413.4864</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	307927	89.5796	4.0500e-003	8.4000e-004	89.9244
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	593196	172.5675	7.8000e-003	1.6100e-003	173.2318
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	314820	91.5848	4.1400e-003	8.6000e-004	91.9373
Regional Shopping Center	106172	30.8866	1.4000e-003	2.9000e-004	31.0055
Single Family Housing	1.46538e+006	426.2953	0.0193	3.9900e-003	427.9364
Single Family Housing	498327	144.9691	6.5600e-003	1.3600e-003	145.5272
<b>Total</b>		<b>955.8829</b>	<b>0.0432</b>	<b>8.9500e-003</b>	<b>959.5627</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	13.5646	0.1129	9.8028	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0639	16.0639	0.0154	0.0000	16.3872
Unmitigated	17.1353	0.1129	9.8028	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0639	16.0639	0.0154	0.0000	16.3872

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.3031					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	13.5373					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2949	0.1129	9.8028	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0639	16.0639	0.0154	0.0000	16.3872
<b>Total</b>	<b>17.1353</b>	<b>0.1129</b>	<b>9.8028</b>	<b>5.2000e-004</b>		<b>0.0545</b>	<b>0.0545</b>		<b>0.0545</b>	<b>0.0545</b>	<b>0.0000</b>	<b>16.0639</b>	<b>16.0639</b>	<b>0.0154</b>	<b>0.0000</b>	<b>16.3872</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7446					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	12.5252					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2949	0.1129	9.8028	5.2000e-004		0.0545	0.0545		0.0545	0.0545	0.0000	16.0639	16.0639	0.0154	0.0000	16.3872
<b>Total</b>	<b>13.5646</b>	<b>0.1129</b>	<b>9.8028</b>	<b>5.2000e-004</b>		<b>0.0545</b>	<b>0.0545</b>		<b>0.0545</b>	<b>0.0545</b>	<b>0.0000</b>	<b>16.0639</b>	<b>16.0639</b>	<b>0.0154</b>	<b>0.0000</b>	<b>16.3872</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	72.3703	0.7916	0.0192	94.9458
Unmitigated	89.5661	0.9896	0.0240	117.7974

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.4723 / 2.85934	11.3702	0.1462	3.5300e-003	15.5355
City Park	0 / 12.4345	12.6607	5.7000e-004	1.2000e-004	12.7094
Condo/Townhouse	7.04835 / 4.50632	17.9194	0.2304	5.5700e-003	24.4840
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.909125 / 0.557206	2.2868	0.0297	7.2000e-004	3.1335
Single Family Housing	17.8296 / 11.3993	45.3291	0.5828	0.0141	61.9350
<b>Total</b>		<b>89.5661</b>	<b>0.9896</b>	<b>0.0240</b>	<b>117.7974</b>



## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.57784 / 2.35091	9.1607	0.1169	2.8200e-003	12.4914
City Park	0 / 10.2234	10.4094	4.7000e-004	1.0000e-004	10.4495
Condo/Townhouse	5.63868 / 3.70503	14.4373	0.1843	4.4500e-003	19.6865
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.7273 / 0.458127	1.8421	0.0238	5.7000e-004	2.5191
Single Family Housing	14.2637 / 9.37231	36.5208	0.4661	0.0113	49.7993
<b>Total</b>		<b>72.3703</b>	<b>0.7916</b>	<b>0.0192</b>	<b>94.9458</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	209.2228	12.3647	0.0000	468.8818
Unmitigated	209.2228	12.3647	0.0000	468.8818

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

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	121.13	24.5883	1.4531	0.0000	55.1040
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	190.91	38.7530	2.2902	0.0000	86.8480
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.84	1.3885	0.0821	0.0000	3.1116
Single Family Housing	711.82	144.4930	8.5393	0.0000	323.8182
<b>Total</b>		<b>209.2228</b>	<b>12.3647</b>	<b>0.0000</b>	<b>468.8817</b>

### 8.2 Waste by Land Use

#### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	121.13	24.5883	1.4531	0.0000	55.1040
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	190.91	38.7530	2.2902	0.0000	86.8480
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.84	1.3885	0.0821	0.0000	3.1116
Single Family Housing	711.82	144.4930	8.5393	0.0000	323.8182
<b>Total</b>		<b>209.2228</b>	<b>12.3647</b>	<b>0.0000</b>	<b>468.8817</b>

### 9.0 Operational Offroad

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	371.7000	0.0000	0.0000	371.7000

### 10.2 Net New Trees

#### Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	525	371.7000	0.0000	0.0000	371.7000
<b>Total</b>		<b>371.7000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>371.7000</b>



Phase III – Site Preparation	0.56	-0.25	0.15	0.00	0.23	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Architectural Coating	0.00	-0.64	0.00	0.00	-0.65	-0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Building Construction	0.04	-0.36	-0.02	0.00	-0.42	-0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Grading	0.37	-0.87	-0.21	0.00	-0.16	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Paving	0.00	-1.33	-0.18	0.00	-0.59	-0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Site Preparation	0.50	-0.46	0.06	0.00	0.07	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Architectural Coating	0.00	-0.63	0.00	0.00	-0.62	-0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Building Construction	0.04	-0.36	-0.02	0.00	-0.42	-0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Grading	0.37	-0.87	-0.21	0.00	-0.16	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Paving	0.00	-1.33	-0.18	0.00	-0.59	-0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Site Preparation	0.50	-0.46	0.06	0.00	0.07	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	Tier 2	6	6	No Change	0.00
Excavators	Diesel	Tier 2	17	17	No Change	0.00
Concrete/Industrial Saws	Diesel	Tier 2	1	1	No Change	0.00
Cranes	Diesel	Tier 2	6	6	No Change	0.00
Forklifts	Diesel	Tier 2	18	18	No Change	0.00
Graders	Diesel	Tier 2	7	7	No Change	0.00
Pavers	Diesel	Tier 2	14	14	No Change	0.00
Rollers	Diesel	Tier 2	14	14	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 2	26	26	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 2	54	54	No Change	0.00
Generator Sets	Diesel	Tier 2	6	6	No Change	0.00
Paving Equipment	Diesel	Tier 2	14	14	No Change	0.00
Scrapers	Diesel	Tier 2	14	14	No Change	0.00
Welders	Diesel	Tier 2	6	6	No Change	0.00



Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	8.54000E-002	5.89570E-001	7.38540E-001	1.21000E-003	3.49300E-002	3.49300E-002	0.00000E+000	1.03790E+002	1.03790E+002	6.90000E-003	0.00000E+000	1.03935E+002
Concrete/Industrial Saws	1.38600E-002	1.07660E-001	1.11070E-001	1.90000E-004	6.88000E-003	6.88000E-003	0.00000E+000	1.61297E+001	1.61297E+001	1.14000E-003	0.00000E+000	1.61536E+001
Cranes	2.83440E-001	3.06280E+000	1.48387E+000	4.68000E-003	1.27880E-001	1.17650E-001	0.00000E+000	4.11191E+002	4.11191E+002	1.32990E-001	0.00000E+000	4.13984E+002
Excavators	1.47160E-001	1.39526E+000	2.11111E+000	3.34000E-003	6.75900E-002	6.21800E-002	0.00000E+000	2.96547E+002	2.96547E+002	9.49400E-002	0.00000E+000	2.98540E+002
Forklifts	2.90750E-001	2.70331E+000	3.25704E+000	4.34000E-003	1.66130E-001	1.52840E-001	0.00000E+000	3.81723E+002	3.81723E+002	1.23460E-001	0.00000E+000	3.84316E+002
Generator Sets	2.85870E-001	2.54779E+000	3.47699E+000	6.23000E-003	1.16920E-001	1.16920E-001	0.00000E+000	5.35534E+002	5.35534E+002	2.27900E-002	0.00000E+000	5.36013E+002
Graders	1.67950E-001	1.59457E+000	1.21024E+000	1.68000E-003	8.87500E-002	8.16500E-002	0.00000E+000	1.48918E+002	1.48918E+002	4.77700E-002	0.00000E+000	1.49921E+002
Pavers	5.90300E-002	6.14010E-001	7.13000E-001	1.16000E-003	2.96600E-002	2.72900E-002	0.00000E+000	1.02061E+002	1.02061E+002	3.28800E-002	0.00000E+000	1.02751E+002
Paving Equipment	4.81800E-002	4.81710E-001	6.39790E-001	1.03000E-003	2.39500E-002	2.20300E-002	0.00000E+000	9.05860E+001	9.05860E+001	2.91800E-002	0.00000E+000	9.11988E+001
Rollers	4.85800E-002	4.90890E-001	4.81540E-001	6.70000E-004	3.00100E-002	2.76100E-002	0.00000E+000	5.92395E+001	5.92395E+001	1.90800E-002	0.00000E+000	5.96403E+001
Rubber Tired Dozers	5.66270E-001	5.85498E+000	4.66927E+000	5.59000E-003	2.67920E-001	2.46490E-001	0.00000E+000	4.96972E+002	4.96972E+002	1.58960E-001	0.00000E+000	5.00310E+002
Scrapers	4.81210E-001	5.44762E+000	3.69136E+000	8.07000E-003	2.13460E-001	1.96380E-001	0.00000E+000	7.14404E+002	7.14404E+002	2.29160E-001	0.00000E+000	7.19216E+002
Tractors/Loaders/Backhoes	5.67240E-001	5.72538E+000	7.78738E+000	1.07900E-002	3.00880E-001	2.76810E-001	0.00000E+000	9.50203E+002	9.50203E+002	3.06380E-001	0.00000E+000	9.56637E+002
Welders	2.38520E-001	1.33335E+000	1.59013E+000	2.42000E-003	5.07300E-002	5.07300E-002	0.00000E+000	1.78339E+002	1.78339E+002	1.93800E-002	0.00000E+000	1.78746E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	4.63000E-002	9.56260E-001	7.44870E-001	1.21000E-003	3.86500E-002	3.86500E-002	0.00000E+000	1.03790E+002	1.03790E+002	6.90000E-003	0.00000E+000	1.03934E+002
Concrete/Industrial Saws	7.20000E-003	1.48610E-001	1.15760E-001	1.90000E-004	6.01000E-003	6.01000E-003	0.00000E+000	1.61297E+001	1.61297E+001	1.14000E-003	0.00000E+000	1.61535E+001
Cranes	1.15000E-001	3.97709E+000	2.49167E+000	4.68000E-003	8.43300E-002	8.43300E-002	0.00000E+000	4.11190E+002	4.11190E+002	1.32990E-001	0.00000E+000	4.13983E+002
Excavators	1.30170E-001	2.85685E+000	2.53486E+000	3.34000E-003	8.76900E-002	8.76900E-002	0.00000E+000	2.96546E+002	2.96546E+002	9.49400E-002	0.00000E+000	2.98540E+002
Forklifts	2.05240E-001	4.23875E+000	3.30176E+000	4.34000E-003	1.71330E-001	1.71330E-001	0.00000E+000	3.81723E+002	3.81723E+002	1.23460E-001	0.00000E+000	3.84315E+002
Generator Sets	2.38910E-001	4.93410E+000	3.84340E+000	6.23000E-003	1.99440E-001	1.99440E-001	0.00000E+000	5.35533E+002	5.35533E+002	2.27900E-002	0.00000E+000	5.36012E+002
Graders	6.46700E-002	1.41925E+000	1.25929E+000	1.68000E-003	4.35600E-002	4.35600E-002	0.00000E+000	1.48918E+002	1.48918E+002	4.77700E-002	0.00000E+000	1.49921E+002
Pavers	4.50400E-002	9.88460E-001	8.77050E-001	1.16000E-003	3.03400E-002	3.03400E-002	0.00000E+000	1.02061E+002	1.02061E+002	3.28800E-002	0.00000E+000	1.02751E+002
Paving Equipment	4.01500E-002	8.81140E-001	7.81830E-001	1.03000E-003	2.70500E-002	2.70500E-002	0.00000E+000	9.05859E+001	9.05859E+001	2.91800E-002	0.00000E+000	9.11987E+001
Rollers	3.15700E-002	6.51970E-001	5.07850E-001	6.70000E-004	2.63500E-002	2.63500E-002	0.00000E+000	5.92395E+001	5.92395E+001	1.90800E-002	0.00000E+000	5.96402E+001
Rubber Tired Dozers	1.35570E-001	4.68848E+000	2.93736E+000	5.59000E-003	9.94200E-002	9.94200E-002	0.00000E+000	4.96971E+002	4.96971E+002	1.58960E-001	0.00000E+000	5.00309E+002
Scrapers	1.98400E-001	6.26626E+000	4.29876E+000	8.07000E-003	1.45500E-001	1.45500E-001	0.00000E+000	7.14403E+002	7.14403E+002	2.29160E-001	0.00000E+000	7.19215E+002
Tractors/Loaders/Balckhoes	5.04200E-001	1.04128E+001	8.11101E+000	1.07900E-002	4.20900E-001	4.20900E-001	0.00000E+000	9.50202E+002	9.50202E+002	3.06380E-001	0.00000E+000	9.56635E+002
Welders	1.00320E-001	1.60160E+000	1.41826E+000	2.42000E-003	9.68600E-002	9.68600E-002	0.00000E+000	1.78339E+002	1.78339E+002	1.93800E-002	0.00000E+000	1.78746E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	4.57845E-001	-6.21962E-001	-8.57096E-003	0.00000E+000	-1.06499E-001	-1.06499E-001	0.00000E+000	1.15618E-006	1.15618E-006	0.00000E+000	0.00000E+000	1.15457E-006
Concrete/Industrial Saws	4.80519E-001	-3.80364E-001	-4.22256E-002	0.00000E+000	1.26453E-001	1.26453E-001	0.00000E+000	1.23995E-006	1.23995E-006	0.00000E+000	0.00000E+000	1.23812E-006
Cranes	5.94270E-001	-2.98514E-001	-6.79170E-001	0.00000E+000	3.40554E-001	2.83213E-001	0.00000E+000	1.19166E-006	1.19166E-006	0.00000E+000	0.00000E+000	1.18362E-006
Excavators	1.15453E-001	-1.04754E+000	-2.00724E-001	0.00000E+000	-2.97381E-001	-4.10261E-001	0.00000E+000	1.18025E-006	1.18025E-006	0.00000E+000	0.00000E+000	1.20587E-006
Forklifts	2.94101E-001	-5.67985E-001	-1.37303E-002	0.00000E+000	-3.13008E-002	-1.20976E-001	0.00000E+000	1.17887E-006	1.17887E-006	0.00000E+000	0.00000E+000	1.19693E-006
Generator Sets	1.64270E-001	-9.36620E-001	-1.05381E-001	0.00000E+000	-7.05782E-001	-7.05782E-001	0.00000E+000	1.17640E-006	1.17640E-006	0.00000E+000	0.00000E+000	1.19400E-006
Graders	6.14945E-001	1.09948E-001	-4.05292E-002	0.00000E+000	5.09183E-001	4.66503E-001	0.00000E+000	1.20872E-006	1.20872E-006	0.00000E+000	0.00000E+000	1.20063E-006
Pavers	2.36998E-001	-6.09843E-001	-2.30084E-001	0.00000E+000	-2.29265E-002	-1.11763E-001	0.00000E+000	1.17577E-006	1.17577E-006	0.00000E+000	0.00000E+000	1.16787E-006
Paving Equipment	1.66667E-001	-8.29192E-001	-2.22010E-001	0.00000E+000	-1.29436E-001	-2.27871E-001	0.00000E+000	1.21432E-006	1.21432E-006	0.00000E+000	0.00000E+000	1.20616E-006
Rollers	3.50144E-001	-3.28139E-001	-5.46372E-002	0.00000E+000	1.21959E-001	4.56356E-002	0.00000E+000	1.18164E-006	1.18164E-006	0.00000E+000	0.00000E+000	1.34138E-006
Rubber Tired Dozers	7.60591E-001	1.99232E-001	3.70917E-001	0.00000E+000	6.28919E-001	5.96657E-001	0.00000E+000	1.18719E-006	1.18719E-006	0.00000E+000	0.00000E+000	1.19926E-006
Scrapers	5.87706E-001	-1.50275E-001	-1.64546E-001	0.00000E+000	3.18373E-001	2.59090E-001	0.00000E+000	1.18980E-006	1.18980E-006	0.00000E+000	0.00000E+000	1.18184E-006
Tractors/Loaders/Balkhoes	1.11135E-001	-8.18705E-001	-4.15583E-002	0.00000E+000	-3.98897E-001	-5.20538E-001	0.00000E+000	1.18922E-006	1.18922E-006	0.00000E+000	0.00000E+000	1.19168E-006
Welders	5.79406E-001	-2.01185E-001	1.08086E-001	0.00000E+000	-9.09324E-001	-9.09324E-001	0.00000E+000	1.23361E-006	1.23361E-006	0.00000E+000	0.00000E+000	1.17485E-006

**Fugitive Dust Mitigation**

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00	
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day) 2.00





Phase VI – Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Phase VI – Site Preparation	Fugitive Dust	0.05	0.02	0.02	0.01	0.55	0.55
Phase VI – Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Architectural Coating	Roads	0.05	0.01	0.05	0.01	0.00	0.00
Phases IV & V – Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Building Construction	Roads	4.85	1.30	4.85	1.30	0.00	0.00
Phases IV & V – Grading	Fugitive Dust	1.17	0.49	0.53	0.22	0.55	0.55
Phases IV & V – Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Phases IV & V – Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Phases IV & V – Site Preparation	Fugitive Dust	0.36	0.20	0.16	0.09	0.55	0.55
Phases IV & V – Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

### Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	77.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.11	32.11	32.10	32.04	32.11
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	5.29	13.14	10.82	16.39	14.97	14.96	0.00	16.40	16.40	15.28	0.00	16.40
Natural Gas	20.86	20.86	20.87	20.83	20.86	20.86	0.00	20.86	20.86	20.87	20.79	20.86
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	19.10	19.20	20.01	20.10	19.40
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Operational Mobile Mitigation**

Project Setting: Urban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
Yes	Land Use	Increase Density	0.02	10.00		
No	Land Use	Increase Diversity	0.25	0.56		
Yes	Land Use	Improve Walkability Design	-0.10	7.00		
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.16	0.25		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.16			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.01		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.01		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
Yes	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.17		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	7.70		
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	15.00		
	Commute	Commute Subtotal	0.00		



No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.17		

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	50.00
Yes	Use Low VOC Paint (Residential Exterior)	50.00
Yes	Use Low VOC Paint (Non-residential Interior)	50.00
Yes	Use Low VOC Paint (Non-residential Exterior)	50.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

**Energy Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	25.00	
Yes	Install High Efficiency Lighting	25.00	
Yes	On-site Renewable		25.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

**Water Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
Yes	Use Reclaimed Water	0.00	45.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

**Solid Waste Mitigation**

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	



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June 13, 2016

Project 838.03

Avila Ranch, LLC  
c/o Mangano Homes, Inc.  
740 Tank Farm Road  
Suite 240  
San Luis Obispo, CA 93401  
Attention: Stephen Peck

Re: Avila Ranch Updated Biological Impact Analysis

Dear Steve:

We evaluated effects of various changes made to the Avila Ranch Site Plan. Overall, these appear to improve the project from a biological standpoint. Changes include:

- 1) retain existing northern reach of Tank Farm Creek (North-South Creek section, a federal wetland) in place rather than filling and relocating it as previously proposed;
- 2) avoid removal/relocation of the East-West drainage (a federal wetland);
- 3) improve and expand the capacity and riparian habitat within a reach of the North-South Creek to accommodate flood flows;
- 4) improve and expand wetland habitat and the capacity of a 400-foot reach near the confluence of the East-West and the North-South drainage; and,
- 5) increase the riparian buffer width to a minimum of 20 feet along approximately 750 lineal feet and the Tank Farm Creek frontage (approximately 10 percent of the total frontage), and to a minimum of 35 feet of riparian setback in all other locations.

The site plan was adjusted to avoid impacts to the east-west drainage, with a minimum of 35-foot setback from the top of bank. Tank Farm Creek will be temporarily impacted in the vicinity of the intersection of the east-west drainage and the north-south drainage to allow for a more natural confluence (increased sinuosity) and additional flood capacity at that intersection. The proposed modifications will provide a larger wetland/riparian area where it is currently farmed and used as an access road along the farm field.

The revised site plan changes increased buffer width for the riparian areas and associated wetland in Tank Farm Creek to a minimum of 20 feet, with most of the riparian buffer at a minimum of 35 feet (6600 linear feet on both sides of Tank Farm Creek). The proposed buffers are adequate for wildlife movement. The minimum buffer recommended by the California Rapid Assessment Method (CRAM) for riverine systems is 16.4 feet (5 meters)<sup>1</sup>. It should also be noted that CRAM considers vegetated levees as part of a Creek buffer, and that there are significant areas along the

creek that have vegetated 3:1 fill slopes that would qualify as part of the buffer. However, these areas were not included in the buffer width measurements for this analysis. The proposed buffer (setback) for the east-west drainage is 40 feet on the north side and 35 feet on the south side. The proposed setbacks, even at their minimum points exceed the CRAM minima and the City Municipal Code minima.

The planned wetland mitigation is on-site replacement (wetland creation) at a ratio of 1.5 to 1 acre for state wetland (1- or 2-factor wetland), and 3 to 1 ratio for federal wetland (3-factor wetland)<sup>ii</sup>. The proposed mitigation area is in appropriate soil (heavy serpentinite clay) where moisture from an adjacent Tank Farm ponded habitat provides high soil moisture conditions on an annual basis. The revised impacted wetland areas include 0.97 acre of state wetlands that are currently farmland (an increase of 0.11 acre from the previous project design), 0.07 acre of riparian 1-factor wetland vegetation adjacent to Tank Farm Creek (no change), and 0.17 acre of federal 3-factor wetland (a 0.71 acre reduction from the previous project design). The total proposed wetland impacts would be 1.21 acre: state wetland 1.04 acre, and federal wetland 0.17 acre. Proposed mitigation is a total of 3.47 acres mostly 3-factor wetland (federal wetland, also considered state wetland), that is more than the 2.06 mitigation acres needed. An attached figure shows wetland impact and mitigation areas.

Jesperon Road access from Buckley Road impacts state farmed wetland and a federal wetland at the east-west drainage. Venture Lane and two multi-use paths will bridge Tank Farm Creek. Multi-use paths will be canted a minimum of five percent toward a bioswale located away from the riparian buffer. Where Venture Lane turns toward the south, a culvert will be placed to cross the east-west drainage. Other wetland/riparian impacts include approximately 8 culvert outlets in Tank Farm Creek. All water from the site will be filtered prior to discharge.

TABLE 1. AVILA RANCH WETLAND IMPACT AND MITIGATION AREAS. The mitigation ratio for state wetland (1- or 2-factor wetland) is calculated at 1.5 acre mitigation to 1 acre of impact. The mitigation ratio for federal wetland (3-factor) is calculated at 3 acre mitigation to 1 acre of impact. The total mitigation proposed in bold.

	State Wetlands (1-and 2-factor farmed wetland)	Riparian (adjacent to Tank Farm Creek)	Federal Wetlands (3-factor wetland)	Totals: Wetland Plus Adjacent Riparian
Existing	2.83	1.86	3.03	7.72
Permanently Impacted	0.97	0.07	0.17	1.21
Mitigation Ratio	1.5:1	1.5:1	3:01	n/a
<b>Mitigation Needed</b>	<b>1.45</b>	<b>0.10</b>	<b>0.51</b>	<b>2.06</b>
<b>Mitigation (Creation) Shown</b>	<b>1.46</b>	<b>0.10</b>	<b>1.91</b>	<b>3.47</b>
New Total	3.31	1.89	4.77	9.97
Actual Mitigation Ratio	1.51	1.58	11.24	n/a

We are pleased with the revised plan for Avila Ranch provided by your design and engineering team.

Sincerely,



LynneDee Althouse

Copy: John Rogers (Cannon Associates)

Attachments: Wetland Impacts and Mitigation Areas  
Riparian setbacks

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<sup>i</sup> CRAM Buffer Definition: The buffer is the area adjoining the AA that is in a natural or semi-natural state and currently not dedicated to anthropogenic uses that would severely detract from its ability to entrap contaminants, discourage forays into the AA by people and non-native predators, or otherwise protect the AA from stress and disturbance. To be considered as buffer, a suitable land cover type must be at least 5 m wide starting at the edge of the AA extending perpendicular to the channel and extend along the perimeter of the AA (measured parallel to the channel) for at least 5 m.

<sup>ii</sup> Wetlands are represented by hydric soil, wetland hydrology (e.g. depression, swale, stream channel), and/or dominated by wetland vegetation. 1-factor wetland may only be represented by one of the wetland indicators (e.g. wetland vegetation as represented by willows on Avila Ranch) adjacent to a stream; 2-factor wetland contains two of the three wetland indicators; 3-factor wetland contains all three wetland indicators.