

**APPENDIX B**

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**GREENHOUSE GASES SPREADSHEETS**



**Taylor Yard River Park**  
**South Coast Air Basin, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	42.00	Acre	42.00	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	12			<b>Operational Year</b>	2021
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1227.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - The proposed project would not include building construction

Construction Phase - Estimated Phase 1 and Phase 2 construction schedule

Off-road Equipment - Construction equipment consistent with the project description

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Trips and VMT - Assumes 15 construction workers per day

Haul trips based on a truck capacity of 20 cubic yards

Assumes a total of 8,000 cubic yards for demolition, 171,000 cubic yards for remediation, and 19,000 cubic yards for remediation - class 1 soil

Grading -

Vehicle Trips - Trip rates consistent with the traffic analysis (KOA 2014)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	740.00	523.00
tblConstructionPhase	NumDays	50.00	130.00
tblConstructionPhase	NumDays	75.00	260.00
tblConstructionPhase	NumDays	55.00	20.00
tblConstructionPhase	NumDays	30.00	260.00
tblConstructionPhase	PhaseEndDate	7/1/2020	12/31/2020
tblConstructionPhase	PhaseEndDate	6/28/2019	6/30/2018
tblConstructionPhase	PhaseEndDate	1/28/2021	2/28/2019
tblConstructionPhase	PhaseEndDate	6/29/2018	6/30/2018
tblConstructionPhase	PhaseStartDate	7/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	7/1/2018	7/1/2017
tblConstructionPhase	PhaseStartDate	1/1/2021	2/1/2019
tblGrading	MaterialExported	0.00	76,000.00

tblGrading	MaterialExported	0.00	19,000.00
tblGrading	MaterialImported	0.00	95,000.00
tblLandUse	LandUseSquareFeet	1,829,520.00	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Park Construction
tblOffRoadEquipment	PhaseName		Remediation
tblOffRoadEquipment	PhaseName		Remediation
tblOffRoadEquipment	PhaseName		Remediation
tblOffRoadEquipment	PhaseName		Remediation
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblTripsAndVMT	HaulingTripLength	20.00	130.00
tblTripsAndVMT	HaulingTripNumber	791.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	72.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00

tblTripsAndVMT	VendorTripNumber	300.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	30.00
tblTripsAndVMT	WorkerTripNumber	3.00	30.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	768.00	30.00
tblVehicleTrips	ST_TR	1.59	5.00
tblVehicleTrips	SU_TR	1.59	5.00

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3679	3.9026	2.4939	4.8800e-003	0.1404	0.1913	0.3317	0.0263	0.1760	0.2023	0.0000	441.1631	441.1631	0.1241	0.0000	443.7691
2018	0.1497	1.5566	1.0726	2.3000e-003	0.0333	0.0736	0.1070	7.6200e-003	0.0678	0.0754	0.0000	203.3040	203.3040	0.0572	0.0000	204.5059
2019	0.0842	0.7562	0.9923	1.7400e-003	0.0438	0.0421	0.0859	0.0116	0.0387	0.0503	0.0000	145.0391	145.0391	0.0361	0.0000	145.7970
2020	0.0713	0.6159	0.9054	1.6300e-003	0.0431	0.0335	0.0766	0.0115	0.0308	0.0423	0.0000	131.1942	131.1942	0.0329	0.0000	131.8855
<b>Total</b>	<b>0.6731</b>	<b>6.8314</b>	<b>5.4642</b>	<b>0.0106</b>	<b>0.2607</b>	<b>0.3405</b>	<b>0.6011</b>	<b>0.0570</b>	<b>0.3133</b>	<b>0.3703</b>	<b>0.0000</b>	<b>920.7004</b>	<b>920.7004</b>	<b>0.2503</b>	<b>0.0000</b>	<b>925.9575</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	2.1200	0.0000	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0400e-003	1.0400e-003	0.0000	0.0000	1.1000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0511	0.1347	0.5584	1.7300e-003	0.1175	2.2900e-003	0.1198	0.0314	2.1100e-003	0.0336	0.0000	120.2767	120.2767	4.1900e-003	0.0000	120.3646
Waste						0.0000	0.0000		0.0000	0.0000	0.7328	0.0000	0.7328	0.0433	0.0000	1.6423
Water						0.0000	0.0000		0.0000	0.0000	0.0000	309.6534	309.6534	7.3100e-003	1.5100e-003	310.2760
<b>Total</b>	<b>2.1712</b>	<b>0.1347</b>	<b>0.5589</b>	<b>1.7300e-003</b>	<b>0.1175</b>	<b>2.2900e-003</b>	<b>0.1198</b>	<b>0.0314</b>	<b>2.1100e-003</b>	<b>0.0336</b>	<b>0.7328</b>	<b>429.9311</b>	<b>430.6639</b>	<b>0.0548</b>	<b>1.5100e-003</b>	<b>432.2840</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	2.1200	0.0000	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0400e-003	1.0400e-003	0.0000	0.0000	1.1000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0511	0.1347	0.5584	1.7300e-003	0.1175	2.2900e-003	0.1198	0.0314	2.1100e-003	0.0336	0.0000	120.2767	120.2767	4.1900e-003	0.0000	120.3646
Waste						0.0000	0.0000		0.0000	0.0000	0.7328	0.0000	0.7328	0.0433	0.0000	1.6423
Water						0.0000	0.0000		0.0000	0.0000	0.0000	309.6534	309.6534	7.3100e-003	1.5100e-003	310.2760
<b>Total</b>	<b>2.1712</b>	<b>0.1347</b>	<b>0.5589</b>	<b>1.7300e-003</b>	<b>0.1175</b>	<b>2.2900e-003</b>	<b>0.1198</b>	<b>0.0314</b>	<b>2.1100e-003</b>	<b>0.0336</b>	<b>0.7328</b>	<b>429.9311</b>	<b>430.6639</b>	<b>0.0548</b>	<b>1.5100e-003</b>	<b>432.2840</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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	6/30/2017	5	130	
2	Remediation	Site Preparation	7/1/2017	6/30/2018	5	260	
3	Remediation - Class I Soil	Grading	7/1/2017	6/30/2018	5	260	
4	Park Construction	Building Construction	1/1/2019	12/31/2020	5	523	
5	Paving	Paving	2/1/2019	2/28/2019	5	20	

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Cranes	1	8.00	226	0.29
Demolition	Excavators	2	8.00	162	0.38
Demolition	Off-Highway Trucks	1	8.00	400	0.38
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Remediation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Remediation - Class I Soil	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Park Construction	Excavators	1	8.00	162	0.38
Park Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Remediation	Cranes	1	8.00	226	0.29
Remediation	Excavators	1	8.00	162	0.38
Remediation	Off-Highway Trucks	1	8.00	400	0.38
Remediation	Plate Compactors	1	8.00	8	0.43

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	30.00	0.00	4.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Remediation	1	30.00	0.00	72.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Remediation - Class I Soil	5	0.00	0.00	8.00	14.70	6.90	130.00	LD_Mix	HDT_Mix	HHDT
Park Construction	2	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

### 3.2 Demolition - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0856	0.0000	0.0856	0.0130	0.0000	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1871	2.0572	1.2397	2.3100e-003		0.1015	0.1015		0.0934	0.0934	0.0000	214.6726	214.6726	0.0658	0.0000	216.0539
<b>Total</b>	<b>0.1871</b>	<b>2.0572</b>	<b>1.2397</b>	<b>2.3100e-003</b>	<b>0.0856</b>	<b>0.1015</b>	<b>0.1871</b>	<b>0.0130</b>	<b>0.0934</b>	<b>0.1063</b>	<b>0.0000</b>	<b>214.6726</b>	<b>214.6726</b>	<b>0.0658</b>	<b>0.0000</b>	<b>216.0539</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	7.8000e-004	5.0000e-004	0.0000	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1974	0.1974	0.0000	0.0000	0.1975
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	0.0104	0.1078	2.6000e-004	0.0214	1.8000e-004	0.0216	5.6800e-003	1.6000e-004	5.8400e-003	0.0000	19.2745	19.2745	1.0000e-003	0.0000	19.2954
<b>Total</b>	<b>7.0400e-003</b>	<b>0.0112</b>	<b>0.1083</b>	<b>2.6000e-004</b>	<b>0.0214</b>	<b>1.9000e-004</b>	<b>0.0216</b>	<b>5.6900e-003</b>	<b>1.7000e-004</b>	<b>5.8600e-003</b>	<b>0.0000</b>	<b>19.4720</b>	<b>19.4720</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>19.4929</b>

**3.2 Demolition - 2017****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0385	0.0000	0.0385	5.8300e-003	0.0000	5.8300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1871	2.0572	1.2396	2.3100e-003		0.1015	0.1015		0.0934	0.0934	0.0000	214.6723	214.6723	0.0658	0.0000	216.0536
<b>Total</b>	<b>0.1871</b>	<b>2.0572</b>	<b>1.2396</b>	<b>2.3100e-003</b>	<b>0.0385</b>	<b>0.1015</b>	<b>0.1400</b>	<b>5.8300e-003</b>	<b>0.0934</b>	<b>0.0992</b>	<b>0.0000</b>	<b>214.6723</b>	<b>214.6723</b>	<b>0.0658</b>	<b>0.0000</b>	<b>216.0536</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	7.8000e-004	5.0000e-004	0.0000	5.0000e-005	1.0000e-005	6.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1974	0.1974	0.0000	0.0000	0.1975
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	0.0104	0.1078	2.6000e-004	0.0214	1.8000e-004	0.0216	5.6800e-003	1.6000e-004	5.8400e-003	0.0000	19.2745	19.2745	1.0000e-003	0.0000	19.2954
<b>Total</b>	<b>7.0400e-003</b>	<b>0.0112</b>	<b>0.1083</b>	<b>2.6000e-004</b>	<b>0.0214</b>	<b>1.9000e-004</b>	<b>0.0216</b>	<b>5.6900e-003</b>	<b>1.7000e-004</b>	<b>5.8600e-003</b>	<b>0.0000</b>	<b>19.4720</b>	<b>19.4720</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>19.4929</b>

**3.3 Remediation - 2017****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.6700e-003	0.0000	9.6700e-003	1.4600e-003	0.0000	1.4600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1457	1.6158	0.8768	1.8000e-003		0.0744	0.0744		0.0685	0.0685	0.0000	166.3549	166.3549	0.0506	0.0000	167.4167
<b>Total</b>	<b>0.1457</b>	<b>1.6158</b>	<b>0.8768</b>	<b>1.8000e-003</b>	<b>9.6700e-003</b>	<b>0.0744</b>	<b>0.0841</b>	<b>1.4600e-003</b>	<b>0.0685</b>	<b>0.0700</b>	<b>0.0000</b>	<b>166.3549</b>	<b>166.3549</b>	<b>0.0506</b>	<b>0.0000</b>	<b>167.4167</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	7.0500e-003	4.4900e-003	2.0000e-005	8.1000e-004	1.1000e-004	9.2000e-004	2.1000e-004	1.0000e-004	3.1000e-004	0.0000	1.7769	1.7769	1.0000e-005	0.0000	1.7771
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	0.0104	0.1078	2.6000e-004	0.0214	1.8000e-004	0.0216	5.6800e-003	1.6000e-004	5.8400e-003	0.0000	19.2745	19.2745	1.0000e-003	0.0000	19.2954
<b>Total</b>	<b>7.4000e-003</b>	<b>0.0174</b>	<b>0.1123</b>	<b>2.8000e-004</b>	<b>0.0222</b>	<b>2.9000e-004</b>	<b>0.0225</b>	<b>5.8900e-003</b>	<b>2.6000e-004</b>	<b>6.1500e-003</b>	<b>0.0000</b>	<b>21.0514</b>	<b>21.0514</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>21.0726</b>

### 3.3 Remediation - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3500e-003	0.0000	4.3500e-003	6.6000e-004	0.0000	6.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1457	1.6158	0.8768	1.8000e-003		0.0744	0.0744		0.0685	0.0685	0.0000	166.3547	166.3547	0.0506	0.0000	167.4165
<b>Total</b>	<b>0.1457</b>	<b>1.6158</b>	<b>0.8768</b>	<b>1.8000e-003</b>	<b>4.3500e-003</b>	<b>0.0744</b>	<b>0.0788</b>	<b>6.6000e-004</b>	<b>0.0685</b>	<b>0.0692</b>	<b>0.0000</b>	<b>166.3547</b>	<b>166.3547</b>	<b>0.0506</b>	<b>0.0000</b>	<b>167.4165</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	7.0500e-003	4.4900e-003	2.0000e-005	8.1000e-004	1.1000e-004	9.2000e-004	2.1000e-004	1.0000e-004	3.1000e-004	0.0000	1.7769	1.7769	1.0000e-005	0.0000	1.7771
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	0.0104	0.1078	2.6000e-004	0.0214	1.8000e-004	0.0216	5.6800e-003	1.6000e-004	5.8400e-003	0.0000	19.2745	19.2745	1.0000e-003	0.0000	19.2954
<b>Total</b>	<b>7.4000e-003</b>	<b>0.0174</b>	<b>0.1123</b>	<b>2.8000e-004</b>	<b>0.0222</b>	<b>2.9000e-004</b>	<b>0.0225</b>	<b>5.8900e-003</b>	<b>2.6000e-004</b>	<b>6.1500e-003</b>	<b>0.0000</b>	<b>21.0514</b>	<b>21.0514</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>21.0726</b>

**3.3 Remediation - 2018****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.6700e-003	0.0000	9.6700e-003	1.4600e-003	0.0000	1.4600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1256	1.3667	0.8174	1.8000e-003		0.0612	0.0612		0.0564	0.0564	0.0000	163.7268	163.7268	0.0506	0.0000	164.7884
<b>Total</b>	<b>0.1256</b>	<b>1.3667</b>	<b>0.8174</b>	<b>1.8000e-003</b>	<b>9.6700e-003</b>	<b>0.0612</b>	<b>0.0709</b>	<b>1.4600e-003</b>	<b>0.0564</b>	<b>0.0578</b>	<b>0.0000</b>	<b>163.7268</b>	<b>163.7268</b>	<b>0.0506</b>	<b>0.0000</b>	<b>164.7884</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	6.5400e-003	4.4100e-003	2.0000e-005	8.1000e-004	1.1000e-004	9.2000e-004	2.1000e-004	1.0000e-004	3.1000e-004	0.0000	1.7474	1.7474	1.0000e-005	0.0000	1.7477
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2900e-003	9.4000e-003	0.0976	2.6000e-004	0.0214	1.7000e-004	0.0216	5.6800e-003	1.6000e-004	5.8400e-003	0.0000	18.5551	18.5551	9.2000e-004	0.0000	18.5745
<b>Total</b>	<b>6.6800e-003</b>	<b>0.0159</b>	<b>0.1020</b>	<b>2.8000e-004</b>	<b>0.0222</b>	<b>2.8000e-004</b>	<b>0.0225</b>	<b>5.8900e-003</b>	<b>2.6000e-004</b>	<b>6.1500e-003</b>	<b>0.0000</b>	<b>20.3025</b>	<b>20.3025</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>20.3222</b>



### 3.3 Remediation - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3500e-003	0.0000	4.3500e-003	6.6000e-004	0.0000	6.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1256	1.3667	0.8174	1.8000e-003		0.0612	0.0612		0.0564	0.0564	0.0000	163.7266	163.7266	0.0506	0.0000	164.7882
<b>Total</b>	<b>0.1256</b>	<b>1.3667</b>	<b>0.8174</b>	<b>1.8000e-003</b>	<b>4.3500e-003</b>	<b>0.0612</b>	<b>0.0656</b>	<b>6.6000e-004</b>	<b>0.0564</b>	<b>0.0570</b>	<b>0.0000</b>	<b>163.7266</b>	<b>163.7266</b>	<b>0.0506</b>	<b>0.0000</b>	<b>164.7882</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	6.5400e-003	4.4100e-003	2.0000e-005	8.1000e-004	1.1000e-004	9.2000e-004	2.1000e-004	1.0000e-004	3.1000e-004	0.0000	1.7474	1.7474	1.0000e-005	0.0000	1.7477
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2900e-003	9.4000e-003	0.0976	2.6000e-004	0.0214	1.7000e-004	0.0216	5.6800e-003	1.6000e-004	5.8400e-003	0.0000	18.5551	18.5551	9.2000e-004	0.0000	18.5745
<b>Total</b>	<b>6.6800e-003</b>	<b>0.0159</b>	<b>0.1020</b>	<b>2.8000e-004</b>	<b>0.0222</b>	<b>2.8000e-004</b>	<b>0.0225</b>	<b>5.8900e-003</b>	<b>2.6000e-004</b>	<b>6.1500e-003</b>	<b>0.0000</b>	<b>20.3025</b>	<b>20.3025</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>20.3222</b>

**3.4 Remediation - Class I Soil - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0700e-003	0.0000	1.0700e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0206	0.1979	0.1556	2.0000e-004		0.0149	0.0149		0.0137	0.0137	0.0000	18.7671	18.7671	5.7500e-003	0.0000	18.8879
<b>Total</b>	<b>0.0206</b>	<b>0.1979</b>	<b>0.1556</b>	<b>2.0000e-004</b>	<b>1.0700e-003</b>	<b>0.0149</b>	<b>0.0160</b>	<b>1.6000e-004</b>	<b>0.0137</b>	<b>0.0139</b>	<b>0.0000</b>	<b>18.7671</b>	<b>18.7671</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>18.8879</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	3.2700e-003	1.2700e-003	1.0000e-005	3.9000e-004	5.0000e-005	4.4000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	0.8452	0.8452	1.0000e-005	0.0000	0.8453
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5000e-004</b>	<b>3.2700e-003</b>	<b>1.2700e-003</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>5.0000e-005</b>	<b>4.4000e-004</b>	<b>1.0000e-004</b>	<b>5.0000e-005</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.8452</b>	<b>0.8452</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.8453</b>

### 3.4 Remediation - Class I Soil - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-004	0.0000	4.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0206	0.1979	0.1556	2.0000e-004		0.0149	0.0149		0.0137	0.0137	0.0000	18.7671	18.7671	5.7500e-003	0.0000	18.8879
<b>Total</b>	<b>0.0206</b>	<b>0.1979</b>	<b>0.1556</b>	<b>2.0000e-004</b>	<b>4.8000e-004</b>	<b>0.0149</b>	<b>0.0154</b>	<b>7.0000e-005</b>	<b>0.0137</b>	<b>0.0138</b>	<b>0.0000</b>	<b>18.7671</b>	<b>18.7671</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>18.8879</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	3.2700e-003	1.2700e-003	1.0000e-005	3.9000e-004	5.0000e-005	4.4000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	0.8452	0.8452	1.0000e-005	0.0000	0.8453
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5000e-004</b>	<b>3.2700e-003</b>	<b>1.2700e-003</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>5.0000e-005</b>	<b>4.4000e-004</b>	<b>1.0000e-004</b>	<b>5.0000e-005</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.8452</b>	<b>0.8452</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.8453</b>

### 3.4 Remediation - Class I Soil - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0700e-003	0.0000	1.0700e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1709	0.1519	2.0000e-004		0.0121	0.0121		0.0111	0.0111	0.0000	18.4435	18.4435	5.7400e-003	0.0000	18.5640
<b>Total</b>	<b>0.0173</b>	<b>0.1709</b>	<b>0.1519</b>	<b>2.0000e-004</b>	<b>1.0700e-003</b>	<b>0.0121</b>	<b>0.0132</b>	<b>1.6000e-004</b>	<b>0.0111</b>	<b>0.0113</b>	<b>0.0000</b>	<b>18.4435</b>	<b>18.4435</b>	<b>5.7400e-003</b>	<b>0.0000</b>	<b>18.5640</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	3.0200e-003	1.2500e-003	1.0000e-005	3.9000e-004	5.0000e-005	4.4000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	0.8312	0.8312	1.0000e-005	0.0000	0.8313
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5000e-004</b>	<b>3.0200e-003</b>	<b>1.2500e-003</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>5.0000e-005</b>	<b>4.4000e-004</b>	<b>1.0000e-004</b>	<b>5.0000e-005</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.8312</b>	<b>0.8312</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.8313</b>

### 3.4 Remediation - Class I Soil - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-004	0.0000	4.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1709	0.1519	2.0000e-004		0.0121	0.0121		0.0111	0.0111	0.0000	18.4434	18.4434	5.7400e-003	0.0000	18.5640
<b>Total</b>	<b>0.0173</b>	<b>0.1709</b>	<b>0.1519</b>	<b>2.0000e-004</b>	<b>4.8000e-004</b>	<b>0.0121</b>	<b>0.0126</b>	<b>7.0000e-005</b>	<b>0.0111</b>	<b>0.0112</b>	<b>0.0000</b>	<b>18.4434</b>	<b>18.4434</b>	<b>5.7400e-003</b>	<b>0.0000</b>	<b>18.5640</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	3.0200e-003	1.2500e-003	1.0000e-005	3.9000e-004	5.0000e-005	4.4000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	0.8312	0.8312	1.0000e-005	0.0000	0.8313
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5000e-004</b>	<b>3.0200e-003</b>	<b>1.2500e-003</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>5.0000e-005</b>	<b>4.4000e-004</b>	<b>1.0000e-004</b>	<b>5.0000e-005</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>0.8312</b>	<b>0.8312</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.8313</b>

**3.5 Park Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.6639	0.7371	1.1000e-003		0.0377	0.0377		0.0347	0.0347	0.0000	98.4520	98.4520	0.0312	0.0000	99.1061
<b>Total</b>	<b>0.0653</b>	<b>0.6639</b>	<b>0.7371</b>	<b>1.1000e-003</b>		<b>0.0377</b>	<b>0.0377</b>		<b>0.0347</b>	<b>0.0347</b>	<b>0.0000</b>	<b>98.4520</b>	<b>98.4520</b>	<b>0.0312</b>	<b>0.0000</b>	<b>99.1061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0116	0.0173	0.1797	5.3000e-004	0.0430	3.4000e-004	0.0433	0.0114	3.1000e-004	0.0117	0.0000	35.8351	35.8351	1.7400e-003	0.0000	35.8716
<b>Total</b>	<b>0.0116</b>	<b>0.0173</b>	<b>0.1797</b>	<b>5.3000e-004</b>	<b>0.0430</b>	<b>3.4000e-004</b>	<b>0.0433</b>	<b>0.0114</b>	<b>3.1000e-004</b>	<b>0.0117</b>	<b>0.0000</b>	<b>35.8351</b>	<b>35.8351</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>35.8716</b>

**3.5 Park Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.6639	0.7371	1.1000e-003		0.0377	0.0377		0.0347	0.0347	0.0000	98.4519	98.4519	0.0312	0.0000	99.1060
<b>Total</b>	<b>0.0653</b>	<b>0.6639</b>	<b>0.7371</b>	<b>1.1000e-003</b>		<b>0.0377</b>	<b>0.0377</b>		<b>0.0347</b>	<b>0.0347</b>	<b>0.0000</b>	<b>98.4519</b>	<b>98.4519</b>	<b>0.0312</b>	<b>0.0000</b>	<b>99.1060</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0116	0.0173	0.1797	5.3000e-004	0.0430	3.4000e-004	0.0433	0.0114	3.1000e-004	0.0117	0.0000	35.8351	35.8351	1.7400e-003	0.0000	35.8716
<b>Total</b>	<b>0.0116</b>	<b>0.0173</b>	<b>0.1797</b>	<b>5.3000e-004</b>	<b>0.0430</b>	<b>3.4000e-004</b>	<b>0.0433</b>	<b>0.0114</b>	<b>3.1000e-004</b>	<b>0.0117</b>	<b>0.0000</b>	<b>35.8351</b>	<b>35.8351</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>35.8716</b>

**3.5 Park 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	0.0604	0.5998	0.7376	1.1000e-003		0.0331	0.0331		0.0305	0.0305	0.0000	96.6830	96.6830	0.0313	0.0000	97.3397
<b>Total</b>	<b>0.0604</b>	<b>0.5998</b>	<b>0.7376</b>	<b>1.1000e-003</b>		<b>0.0331</b>	<b>0.0331</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>96.6830</b>	<b>96.6830</b>	<b>0.0313</b>	<b>0.0000</b>	<b>97.3397</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0109	0.0161	0.1679	5.3000e-004	0.0431	3.4000e-004	0.0435	0.0115	3.1000e-004	0.0118	0.0000	34.5112	34.5112	1.6500e-003	0.0000	34.5458
<b>Total</b>	<b>0.0109</b>	<b>0.0161</b>	<b>0.1679</b>	<b>5.3000e-004</b>	<b>0.0431</b>	<b>3.4000e-004</b>	<b>0.0435</b>	<b>0.0115</b>	<b>3.1000e-004</b>	<b>0.0118</b>	<b>0.0000</b>	<b>34.5112</b>	<b>34.5112</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>34.5458</b>



**3.5 Park Construction - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0604	0.5998	0.7376	1.1000e-003		0.0331	0.0331		0.0305	0.0305	0.0000	96.6829	96.6829	0.0313	0.0000	97.3396
<b>Total</b>	<b>0.0604</b>	<b>0.5998</b>	<b>0.7376</b>	<b>1.1000e-003</b>		<b>0.0331</b>	<b>0.0331</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>96.6829</b>	<b>96.6829</b>	<b>0.0313</b>	<b>0.0000</b>	<b>97.3396</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0109	0.0161	0.1679	5.3000e-004	0.0431	3.4000e-004	0.0435	0.0115	3.1000e-004	0.0118	0.0000	34.5112	34.5112	1.6500e-003	0.0000	34.5458
<b>Total</b>	<b>0.0109</b>	<b>0.0161</b>	<b>0.1679</b>	<b>5.3000e-004</b>	<b>0.0431</b>	<b>3.4000e-004</b>	<b>0.0435</b>	<b>0.0115</b>	<b>3.1000e-004</b>	<b>0.0118</b>	<b>0.0000</b>	<b>34.5112</b>	<b>34.5112</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>34.5458</b>

**3.6 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	7.1300e-003	0.0747	0.0718	1.1000e-004		4.0500e-003	4.0500e-003		3.7200e-003	3.7200e-003	0.0000	10.0197	10.0197	3.1700e-003	0.0000	10.0863
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.1300e-003</b>	<b>0.0747</b>	<b>0.0718</b>	<b>1.1000e-004</b>		<b>4.0500e-003</b>	<b>4.0500e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>10.0197</b>	<b>10.0197</b>	<b>3.1700e-003</b>	<b>0.0000</b>	<b>10.0863</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	3.5000e-004	3.6700e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7323	0.7323	4.0000e-005	0.0000	0.7330
<b>Total</b>	<b>2.4000e-004</b>	<b>3.5000e-004</b>	<b>3.6700e-003</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>2.3000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7323</b>	<b>0.7323</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.7330</b>

### 3.6 Paving - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.1300e-003	0.0747	0.0718	1.1000e-004		4.0500e-003	4.0500e-003		3.7200e-003	3.7200e-003	0.0000	10.0197	10.0197	3.1700e-003	0.0000	10.0863
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.1300e-003</b>	<b>0.0747</b>	<b>0.0718</b>	<b>1.1000e-004</b>		<b>4.0500e-003</b>	<b>4.0500e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>10.0197</b>	<b>10.0197</b>	<b>3.1700e-003</b>	<b>0.0000</b>	<b>10.0863</b>

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	3.5000e-004	3.6700e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7323	0.7323	4.0000e-005	0.0000	0.7330
<b>Total</b>	<b>2.4000e-004</b>	<b>3.5000e-004</b>	<b>3.6700e-003</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>2.3000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7323</b>	<b>0.7323</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.7330</b>

### 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0511	0.1347	0.5584	1.7300e-003	0.1175	2.2900e-003	0.1198	0.0314	2.1100e-003	0.0336	0.0000	120.2767	120.2767	4.1900e-003	0.0000	120.3646
Unmitigated	0.0511	0.1347	0.5584	1.7300e-003	0.1175	2.2900e-003	0.1198	0.0314	2.1100e-003	0.0336	0.0000	120.2767	120.2767	4.1900e-003	0.0000	120.3646

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	66.78	210.00	210.00	309,911	309,911
Total	66.78	210.00	210.00	309,911	309,911

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.507717	0.059700	0.181648	0.140055	0.042936	0.006749	0.016265	0.033349	0.001955	0.002502	0.004345	0.000573	0.002206

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N



### 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						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1200	0.0000	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0400e-003	1.0400e-003	0.0000	0.0000	1.1000e-003
Unmitigated	2.1200	0.0000	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0400e-003	1.0400e-003	0.0000	0.0000	1.1000e-003

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.1200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0400e-003	1.0400e-003	0.0000	0.0000	1.1000e-003
<b>Total</b>	<b>2.1200</b>	<b>0.0000</b>	<b>5.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0400e-003</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1000e-003</b>

### 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	2.1200					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0400e-003	1.0400e-003	0.0000	0.0000	1.1000e-003
<b>Total</b>	<b>2.1200</b>	<b>0.0000</b>	<b>5.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0400e-003</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1000e-003</b>

## 7.0 Water Detail



### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	309.6534	7.3100e-003	1.5100e-003	310.2760
Unmitigated	309.6534	7.3100e-003	1.5100e-003	310.2760

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 50.0422	309.6534	7.3100e-003	1.5100e-003	310.2760
<b>Total</b>		<b>309.6534</b>	<b>7.3100e-003</b>	<b>1.5100e-003</b>	<b>310.2760</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 50.0422	309.6534	7.3100e-003	1.5100e-003	310.2760
<b>Total</b>		<b>309.6534</b>	<b>7.3100e-003</b>	<b>1.5100e-003</b>	<b>310.2760</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.7328	0.0433	0.0000	1.6423
Unmitigated	0.7328	0.0433	0.0000	1.6423

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	3.61	0.7328	0.0433	0.0000	1.6423
<b>Total</b>		<b>0.7328</b>	<b>0.0433</b>	<b>0.0000</b>	<b>1.6423</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	3.61	0.7328	0.0433	0.0000	1.6423
<b>Total</b>		<b>0.7328</b>	<b>0.0433</b>	<b>0.0000</b>	<b>1.6423</b>

## 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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