

Newport - Superior Ave Ped and Bicycle Bridge - Orange County, Annual

### Newport - Superior Ave Ped and Bicycle Bridge Orange County, Annual

#### 1.0 Project Characteristics

##### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.50	Acre	0.50	21,780.00	0
Parking Lot	128.00	Space	2.51	51,200.00	0
City Park	0.40	Acre	0.40	17,424.00	0

##### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022

**Utility Company** Southern California Edison

<b>CO2 Intensity (lb/MW/hr)</b>	702.44	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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##### 1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Dog Park (City Park) 0.4 acre, 128 space Parking lot on 2.51 acre, and Bridge & new sidewalks (Other Non-Asphalt Surfaces) 0.5 acre

Construction Phase - Construction schedule provided by applicant

Off-road Equipment -

Off-road Equipment - 1 Drill Rig added to Grading - Excavation Phase

Off-road Equipment - 1 Tractor/Loader/Backhoe added to Painting - Landscaping phase

Off-road Equipment -

Trips and VMT - 6 vendor trips added to Demo and Grading to account for water truck emissions Haul Truck Trip lengths set to 50 miles

Demolition - 1000 tons of demo debris (Approx 41,300 sq ft of paving to be demolished that is 4-inches thick x 145 pounds per cu ft)

Grading - 25,000 cubic yards exported

Vehicle Trips -

Construction Off-road Equipment Mitigation - Water Exposed Area 2x per day selected to account for SCAQMD Rule 403 minimum requirements

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	230.00	199.00
tblConstructionPhase	NumDays	8.00	42.00
tblConstructionPhase	NumDays	18.00	21.00
tblGrading	MaterialExported	0.00	25,000.00
tblLandUse	LotAcreage	1.15	2.51
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00

2.0 Emissions Summary

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**2.1 Overall Construction**  
**Unmitigated Construction**

Year	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2021	0.3204	3.6472	2.6631	7.5500e-003	0.2766	0.1410	0.4176	0.1071	0.1319	0.2390	0.0000	701.9111	701.9111	0.1214	0.0000	704.9450
2022	0.0284	0.1315	0.1763	2.9000e-004	3.1800e-003	6.8600e-003	0.0100	8.5000e-004	6.3900e-003	7.2400e-003	0.0000	25.0421	25.0421	6.5000e-003	0.0000	25.2047
<b>Maximum</b>	<b>0.3204</b>	<b>3.6472</b>	<b>2.6631</b>	<b>7.5500e-003</b>	<b>0.2766</b>	<b>0.1410</b>	<b>0.4176</b>	<b>0.1071</b>	<b>0.1319</b>	<b>0.2390</b>	<b>0.0000</b>	<b>701.9111</b>	<b>701.9111</b>	<b>0.1214</b>	<b>0.0000</b>	<b>704.9450</b>

**Mitigated Construction**

Year	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2021	0.3204	3.6472	2.6631	7.5500e-003	0.1943	0.1410	0.3352	0.0672	0.1319	0.1991	0.0000	701.9107	701.9107	0.1214	0.0000	704.9446
2022	0.0284	0.1315	0.1763	2.9000e-004	3.1800e-003	6.8600e-003	0.0100	8.5000e-004	6.3900e-003	7.2400e-003	0.0000	25.0421	25.0421	6.5000e-003	0.0000	25.2047
<b>Maximum</b>	<b>0.3204</b>	<b>3.6472</b>	<b>2.6631</b>	<b>7.5500e-003</b>	<b>0.1943</b>	<b>0.1410</b>	<b>0.3352</b>	<b>0.0672</b>	<b>0.1319</b>	<b>0.1991</b>	<b>0.0000</b>	<b>701.9107</b>	<b>701.9107</b>	<b>0.1214</b>	<b>0.0000</b>	<b>704.9446</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>29.43</b>	<b>0.00</b>	<b>19.26</b>	<b>36.97</b>	<b>0.00</b>	<b>16.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	1.9046	1.9046
2	4-1-2021	6-30-2021	0.6825	0.6825
3	7-1-2021	9-30-2021	0.6900	0.6900
4	10-1-2021	12-31-2021	0.6908	0.6908
5	1-1-2022	3-31-2022	0.1662	0.1662
		Highest	1.9046	1.9046

**2.2 Overall Operational**  
Unmitigated Operational

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	6.0500e-003	2.0000e-005	1.6500e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	3.2000e-003	3.2000e-003	1.0000e-005	0.0000	3.4100e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.7097	5.7097	2.4000e-004	5.0000e-005	5.7301
Mobile	6.7000e-004	2.8600e-003	8.6900e-003	3.0000e-005	3.0500e-003	2.0000e-005	3.0800e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	3.0564	3.0564	1.3000e-004	0.0000	3.0596
Waste					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0900e-003	0.0000	6.0900e-003	3.6000e-004	0.0000	0.0151
Water						0.0000	0.0000		0.0000	0.0000	0.0000	1.6871	1.6871	7.0000e-005	1.0000e-005	1.6931
<b>Total</b>	<b>6.7200e-003</b>	<b>2.8800e-003</b>	<b>0.0103</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>3.0000e-005</b>	<b>3.0900e-003</b>	<b>8.2000e-004</b>	<b>3.0000e-005</b>	<b>8.5000e-004</b>	<b>6.0900e-003</b>	<b>10.4564</b>	<b>10.4625</b>	<b>8.1000e-004</b>	<b>6.0000e-005</b>	<b>10.5013</b>

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**2.2 Overall Operational**

Mitigated Operational

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	6.0500e-003	2.0000e-005	1.6500e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	3.2000e-003	3.2000e-003	1.0000e-005	0.0000	3.4100e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.7097	5.7097	2.4000e-004	5.0000e-005	5.7301
Mobile	6.7000e-004	2.8600e-003	8.6900e-003	3.0000e-005	3.0500e-003	2.0000e-005	3.0800e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	3.0564	3.0564	1.3000e-004	0.0000	3.0596
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	6.0900e-003	0.0000	6.0900e-003	3.6000e-004	0.0000	0.0151
Water						0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.6871	1.6871	7.0000e-005	1.0000e-005	1.6931
<b>Total</b>	<b>6.7200e-003</b>	<b>2.8800e-003</b>	<b>0.0103</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>3.0000e-005</b>	<b>3.0900e-003</b>	<b>8.2000e-004</b>	<b>3.0000e-005</b>	<b>8.5000e-004</b>	<b>6.0900e-003</b>	<b>10.4564</b>	<b>10.4625</b>	<b>8.1000e-004</b>	<b>6.0000e-005</b>	<b>10.5013</b>

Percent Reduction	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.00

**3.0 Construction Detail**

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition of Parking Lot	Demolition	1/1/2021	1/28/2021	5	20	
2	Grading - Excavation	Grading	1/29/2021	3/29/2021	5	42	
3	Bridge Construction	Building Construction	3/30/2021	12/31/2021	5	199	
4	Paving	Paving	1/1/2022	1/31/2022	5	21	
5	Painting - Landscaping	Architectural Coating	2/1/2022	2/28/2022	5	20	

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

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

**Acres of Paving: 3.01**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 4,379 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Parking Lot	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Parking Lot	Excavators	3	8.00	158	0.38
Demolition of Parking Lot	Rubber Tired Dozers	2	8.00	247	0.40
Grading - Excavation	Bore/Drill Rigs	1	8.00	221	0.50
Grading - Excavation	Excavators	1	8.00	158	0.38
Grading - Excavation	Graders	1	8.00	187	0.41
Grading - Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Bridge Construction	Cranes	1	7.00	231	0.29
Bridge Construction	Forklifts	3	8.00	89	0.20
Bridge Construction	Generator Sets	1	8.00	84	0.74
Bridge Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Bridge Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Painting - Landscaping	Air Compressors	1	6.00	78	0.48
Painting - Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

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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 of Parking Lot	6	15.00	6.00	99.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading - Excavation	7	18.00	6.00	3,125.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Bridge Construction	9	38.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Painting - Landscaping	2	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 of Parking Lot - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr															
	MT/yr															
Fugitive Dust					0.0107	0.0000	0.0107	1.6200e-003	0.0000	1.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155	0.0144	0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
<b>Total</b>	<b>0.0317</b>	<b>0.3144</b>	<b>0.2157</b>	<b>3.9000e-004</b>	<b>0.0107</b>	<b>0.0155</b>	<b>0.0262</b>	<b>0.0144</b>	<b>0.0144</b>	<b>0.0160</b>	<b>0.0000</b>	<b>34.0008</b>	<b>34.0008</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>34.2400</b>



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**3.2 Demolition of Parking Lot - 2021**

**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	7.9000e-004	0.0259	7.7700e-003	9.0000e-005	2.1200e-003	1.0000e-004	2.2200e-003	5.8000e-004	9.0000e-005	6.7000e-004	0.0000	8.7612	8.7612	8.8000e-004	0.0000	8.7833
Vendor	1.6000e-004	5.7200e-003	1.6000e-003	1.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4480	1.4480	1.2000e-004	0.0000	1.4509
Worker	5.5000e-004	3.7000e-004	4.3100e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3758	1.3758	3.0000e-005	0.0000	1.3765
<b>Total</b>	<b>1.5000e-003</b>	<b>0.0320</b>	<b>0.0137</b>	<b>1.2000e-004</b>	<b>4.1500e-003</b>	<b>1.2000e-004</b>	<b>4.2700e-003</b>	<b>1.1300e-003</b>	<b>1.1000e-004</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>11.5850</b>	<b>11.5850</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>11.6107</b>

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					4.8100e-003	0.0000	4.8100e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155	0.0144	0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
<b>Total</b>	<b>0.0317</b>	<b>0.3144</b>	<b>0.2157</b>	<b>3.9000e-004</b>	<b>4.8100e-003</b>	<b>0.0155</b>	<b>0.0203</b>	<b>7.3000e-004</b>	<b>0.0144</b>	<b>0.0151</b>	<b>0.0000</b>	<b>34.0007</b>	<b>34.0007</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>34.2400</b>

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**3.2 Demolition of Parking Lot - 2021**  
**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	7.9000e-004	0.0259	7.7700e-003	9.0000e-005	2.1200e-003	1.0000e-004	2.2200e-003	5.8000e-004	9.0000e-005	6.7000e-004	0.0000	8.7612	8.7612	8.8000e-004	0.0000	8.7833
Vendor	1.6000e-004	5.7200e-003	1.6000e-003	1.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4480	1.4480	1.2000e-004	0.0000	1.4509
Worker	5.5000e-004	3.7000e-004	4.3100e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3758	1.3758	3.0000e-005	0.0000	1.3765
<b>Total</b>	<b>1.5000e-003</b>	<b>0.0320</b>	<b>0.0137</b>	<b>1.2000e-004</b>	<b>4.1500e-003</b>	<b>1.2000e-004</b>	<b>4.2700e-003</b>	<b>1.1300e-003</b>	<b>1.1000e-004</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>11.5850</b>	<b>11.5850</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>11.6107</b>

**3.3 Grading - Excavation - 2021**  
**Unmitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.1390	0.0000	0.1390	0.0709	0.0000	0.0709	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0535	0.5830	0.3766	8.2000e-004		0.0263	0.0263	0.0242	0.0242	0.0242	0.0000	72.0884	72.0884	0.0233	0.0000	72.6712
<b>Total</b>	<b>0.0535</b>	<b>0.5830</b>	<b>0.3766</b>	<b>8.2000e-004</b>	<b>0.1390</b>	<b>0.0263</b>	<b>0.1653</b>	<b>0.0709</b>	<b>0.0242</b>	<b>0.0951</b>	<b>0.0000</b>	<b>72.0884</b>	<b>72.0884</b>	<b>0.0233</b>	<b>0.0000</b>	<b>72.6712</b>

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**3.3 Grading - Excavation - 2021**  
**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0249	0.8188	0.2453	2.7300e-003	0.0669	3.0400e-003	0.0699	0.0183	2.9100e-003	0.0212	0.0000	276.5530	276.5530	0.0279	0.0000	277.2495
Vendor	3.4000e-004	0.0120	3.3600e-003	3.0000e-005	7.9000e-004	2.0000e-005	8.2000e-004	2.3000e-004	2.0000e-005	2.5000e-004	0.0000	3.0407	3.0407	2.5000e-004	0.0000	3.0469
Worker	1.3800e-003	9.3000e-004	0.0109	4.0000e-005	4.1500e-003	3.0000e-005	4.1800e-003	1.1000e-003	3.0000e-005	1.1300e-003	0.0000	3.4670	3.4670	7.0000e-005	0.0000	3.4688
<b>Total</b>	<b>0.0266</b>	<b>0.8318</b>	<b>0.2595</b>	<b>2.8000e-003</b>	<b>0.0718</b>	<b>3.0900e-003</b>	<b>0.0749</b>	<b>0.0197</b>	<b>2.9600e-003</b>	<b>0.0226</b>	<b>0.0000</b>	<b>283.0607</b>	<b>283.0607</b>	<b>0.0282</b>	<b>0.0000</b>	<b>283.7652</b>

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.0626	0.0000	0.0626	0.0319	0.0000	0.0319	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0535	0.5830	0.3766	8.2000e-004		0.0263	0.0263	0.0242		0.0242	0.0000	72.0883	72.0883	0.0233	0.0000	72.6711
<b>Total</b>	<b>0.0535</b>	<b>0.5830</b>	<b>0.3766</b>	<b>8.2000e-004</b>	<b>0.0626</b>	<b>0.0263</b>	<b>0.0888</b>	<b>0.0319</b>	<b>0.0242</b>	<b>0.0561</b>	<b>0.0000</b>	<b>72.0883</b>	<b>72.0883</b>	<b>0.0233</b>	<b>0.0000</b>	<b>72.6711</b>

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**3.3 Grading - Excavation - 2021**

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0249	0.8188	0.2453	2.7300e-003	0.0669	3.0400e-003	0.0699	0.0183	2.9100e-003	0.0212	0.0000	276.5530	276.5530	0.0279	0.0000	277.2495
Vendor	3.4000e-004	0.0120	3.3600e-003	3.0000e-005	7.9000e-004	2.0000e-005	8.2000e-004	2.3000e-004	2.0000e-005	2.5000e-004	0.0000	3.0407	3.0407	2.5000e-004	0.0000	3.0469
Worker	1.3800e-003	9.3000e-004	0.0109	4.0000e-005	4.1500e-003	3.0000e-005	4.1800e-003	1.1000e-003	3.0000e-005	1.1300e-003	0.0000	3.4670	3.4670	7.0000e-005	0.0000	3.4688
<b>Total</b>	<b>0.0266</b>	<b>0.8318</b>	<b>0.2595</b>	<b>2.8000e-003</b>	<b>0.0718</b>	<b>3.0900e-003</b>	<b>0.0749</b>	<b>0.0197</b>	<b>2.9600e-003</b>	<b>0.0226</b>	<b>0.0000</b>	<b>283.0607</b>	<b>283.0607</b>	<b>0.0282</b>	<b>0.0000</b>	<b>283.7652</b>

**3.4 Bridge Construction - 2021**

**Unmitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1891	1.7345	1.6492	2.6800e-003		0.0954	0.0954	0.0897	0.0897	0.0897	0.0000	230.4791	230.4791	0.0556	0.0000	231.8692
<b>Total</b>	<b>0.1891</b>	<b>1.7345</b>	<b>1.6492</b>	<b>2.6800e-003</b>		<b>0.0954</b>	<b>0.0954</b>	<b>0.0897</b>	<b>0.0897</b>	<b>0.0897</b>	<b>0.0000</b>	<b>230.4791</b>	<b>230.4791</b>	<b>0.0556</b>	<b>0.0000</b>	<b>231.8692</b>

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**3.4 Bridge Construction - 2021**  
**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0700e-003	0.1422	0.0399	3.6000e-004	9.4000e-003	3.0000e-004	9.6900e-003	2.7100e-003	2.8000e-004	2.9900e-003	0.0000	36.0183	36.0183	2.9200e-003	0.0000	36.0912
Worker	0.0139	9.3100e-003	0.1086	3.8000e-004	0.0415	2.7000e-004	0.0418	0.0110	2.5000e-004	0.0113	0.0000	34.6789	34.6789	7.4000e-004	0.0000	34.6975
<b>Total</b>	<b>0.0179</b>	<b>0.1515</b>	<b>0.1485</b>	<b>7.4000e-004</b>	<b>0.0509</b>	<b>5.7000e-004</b>	<b>0.0515</b>	<b>0.0137</b>	<b>5.3000e-004</b>	<b>0.0143</b>	<b>0.0000</b>	<b>70.6972</b>	<b>70.6972</b>	<b>3.6600e-003</b>	<b>0.0000</b>	<b>70.7887</b>

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1891	1.7345	1.6492	2.6800e-003		0.0954	0.0954		0.0897	0.0897	0.0000	230.4788	230.4788	0.0556	0.0000	231.8689
<b>Total</b>	<b>0.1891</b>	<b>1.7345</b>	<b>1.6492</b>	<b>2.6800e-003</b>		<b>0.0954</b>	<b>0.0954</b>		<b>0.0897</b>	<b>0.0897</b>	<b>0.0000</b>	<b>230.4788</b>	<b>230.4788</b>	<b>0.0556</b>	<b>0.0000</b>	<b>231.8689</b>

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**3.4 Bridge Construction - 2021**

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0700e-003	0.1422	0.0399	3.6000e-004	9.4000e-003	3.0000e-004	9.6900e-003	2.7100e-003	2.8000e-004	2.9900e-003	0.0000	36.0183	36.0183	2.9200e-003	0.0000	36.0912
Worker	0.0139	9.3100e-003	0.1086	3.8000e-004	0.0415	2.7000e-004	0.0418	0.0110	2.5000e-004	0.0113	0.0000	34.6789	34.6789	7.4000e-004	0.0000	34.6975
<b>Total</b>	<b>0.0179</b>	<b>0.1515</b>	<b>0.1485</b>	<b>7.4000e-004</b>	<b>0.0509</b>	<b>5.7000e-004</b>	<b>0.0515</b>	<b>0.0137</b>	<b>5.3000e-004</b>	<b>0.0143</b>	<b>0.0000</b>	<b>70.6972</b>	<b>70.6972</b>	<b>3.6600e-003</b>	<b>0.0000</b>	<b>70.7887</b>

**3.5 Paving - 2022**

**Unmitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0103	0.1000	0.1280	2.0000e-004		5.1200e-003	5.1200e-003		4.7300e-003	4.7300e-003	0.0000	17.1947	17.1947	5.4000e-003	0.0000	17.3297
Paving	3.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0135</b>	<b>0.1000</b>	<b>0.1280</b>	<b>2.0000e-004</b>		<b>5.1200e-003</b>	<b>5.1200e-003</b>		<b>4.7300e-003</b>	<b>4.7300e-003</b>	<b>0.0000</b>	<b>17.1947</b>	<b>17.1947</b>	<b>5.4000e-003</b>	<b>0.0000</b>	<b>17.3297</b>

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**3.5 Paving - 2022**

**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	4.7000e-004	5.6200e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3200e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8548	1.8548	4.0000e-005	0.0000	1.8557
<b>Total</b>	<b>7.3000e-004</b>	<b>4.7000e-004</b>	<b>5.6200e-003</b>	<b>2.0000e-005</b>	<b>2.3100e-003</b>	<b>1.0000e-005</b>	<b>2.3200e-003</b>	<b>6.1000e-004</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>1.8548</b>	<b>1.8548</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.8557</b>

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0103	0.1000	0.1280	2.0000e-004	5.1200e-003	5.1200e-003	5.1200e-003	4.7300e-003	4.7300e-003	4.7300e-003	0.0000	17.1946	17.1946	5.4000e-003	0.0000	17.3297
Paving	3.2900e-003				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>0.0135</b>	<b>0.1000</b>	<b>0.1280</b>	<b>2.0000e-004</b>	<b>5.1200e-003</b>	<b>5.1200e-003</b>	<b>5.1200e-003</b>	<b>4.7300e-003</b>	<b>4.7300e-003</b>	<b>4.7300e-003</b>	<b>0.0000</b>	<b>17.1946</b>	<b>17.1946</b>	<b>5.4000e-003</b>	<b>0.0000</b>	<b>17.3297</b>

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**3.5 Paving - 2022**

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	4.7000e-004	5.6200e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3200e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.8548	1.8548	4.0000e-005	0.0000	0.0000	1.8557
<b>Total</b>	<b>7.3000e-004</b>	<b>4.7000e-004</b>	<b>5.6200e-003</b>	<b>2.0000e-005</b>	<b>2.3100e-003</b>	<b>1.0000e-005</b>	<b>2.3200e-003</b>	<b>6.1000e-004</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>1.8548</b>	<b>1.8548</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8557</b>

**3.6 Painting - Landscaping - 2022**

**Unmitigated Construction On-Site**

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	0.0102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6900e-003	0.0308	0.0405	6.0000e-005	1.7200e-003	1.7200e-003	1.7200e-003	1.6500e-003	1.6500e-003	1.6500e-003	0.0000	5.2861	5.2861	1.0500e-003	0.0000	0.0000	5.3123
<b>Total</b>	<b>0.0138</b>	<b>0.0308</b>	<b>0.0405</b>	<b>6.0000e-005</b>	<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>5.2861</b>	<b>5.2861</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.3123</b>



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**3.6 Painting - Landscaping - 2022**

**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.8000e-004	2.1400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7066	0.7066	1.0000e-005	0.0000	0.7069
<b>Total</b>	<b>2.8000e-004</b>	<b>1.8000e-004</b>	<b>2.1400e-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>0.7066</b>	<b>0.7066</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.7069</b>

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.0102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6900e-003	0.0308	0.0405	6.0000e-005	1.7200e-003	1.7200e-003	1.7200e-003	1.6500e-003	1.6500e-003	1.6500e-003	0.0000	5.2860	5.2860	1.0500e-003	0.0000	5.3123
<b>Total</b>	<b>0.0138</b>	<b>0.0308</b>	<b>0.0405</b>	<b>6.0000e-005</b>	<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>5.2860</b>	<b>5.2860</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>5.3123</b>

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**3.6 Painting - Landscaping - 2022**

**Mitigated Construction Off-Site**

Category	tons/yr											MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.8000e-004	2.1400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7066	0.7066	1.0000e-005	0.0000	0.0000	0.7069
<b>Total</b>	<b>2.8000e-004</b>	<b>1.8000e-004</b>	<b>2.1400e-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>0.7066</b>	<b>0.7066</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.7069</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

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Category	tons/yr													CO2e		
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2		CH4	N2O
Mitigated	6.7000e-004	2.8600e-003	8.6900e-003	3.0000e-005	3.0500e-003	2.0000e-005	3.0800e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	3.0564	3.0564	1.3000e-004	0.0000	3.0596
Unmitigated	6.7000e-004	2.8600e-003	8.6900e-003	3.0000e-005	3.0500e-003	2.0000e-005	3.0800e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	3.0564	3.0564	1.3000e-004	0.0000	3.0596

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.76	9.10	6.70	8,047	8,047
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.76	9.10	6.70	8,047	8,047

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-O or C-C	H-S or C-C	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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix





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**5.3 Energy by Land Use - Electricity**

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	17920	5.7097	2.4000e-004	5.0000e-005	5.7301
<b>Total</b>		<b>5.7097</b>	<b>2.4000e-004</b>	<b>5.0000e-005</b>	<b>5.7301</b>

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	17920	5.7097	2.4000e-004	5.0000e-005	5.7301
<b>Total</b>		<b>5.7097</b>	<b>2.4000e-004</b>	<b>5.0000e-005</b>	<b>5.7301</b>

**6.0 Area Detail**

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**6.1 Mitigation Measures Area**

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	6.0500e-003	2.0000e-005	1.6500e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	3.2000e-003	3.2000e-003	1.0000e-005	0.0000	3.4100e-003
Unmitigated	6.0500e-003	2.0000e-005	1.6500e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	3.2000e-003	3.2000e-003	1.0000e-005	0.0000	3.4100e-003

**6.2 Area by SubCategory**

Unmitigated

SubCategory	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	1.0100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	2.0000e-005	1.6500e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	3.2000e-003	3.2000e-003	1.0000e-005	0.0000	3.4100e-003
<b>Total</b>	<b>6.0400e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.2000e-003</b>	<b>3.2000e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.4100e-003</b>

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**6.2 Area by SubCategory**

**Mitigated**

SubCategory	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	1.0100e-003					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.8800e-003					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	2.0000e-005	1.6500e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	3.2000e-003	3.2000e-003	1.0000e-005	0.0000	3.4100e-003
<b>Total</b>	<b>6.0400e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.2000e-003</b>	<b>3.2000e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.4100e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**



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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.6871	7.0000e-005	1.0000e-005	1.6931
Unmitigated	1.6871	7.0000e-005	1.0000e-005	1.6931

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.476593	1.6871	7.0000e-005	1.0000e-005	1.6931
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.6871</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.6931</b>

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**7.2 Water by Land Use**

Mitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
City Park	0 / 0.476593	1.6871	7.0000e-005	1.0000e-005	1.6931
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.6871</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>1.6931</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.09000e-003	3.60000e-004	0.0000	0.0151
Unmitigated	6.09000e-003	3.60000e-004	0.0000	0.0151

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.09000e-003	3.60000e-004	0.0000	0.0151
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.09000e-003</b>	<b>3.60000e-004</b>	<b>0.0000</b>	<b>0.0151</b>

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**8.2 Waste by Land Use**

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.0900e-003</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>0.0151</b>

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## **11.0 Vegetation**

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