

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

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

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

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

Utility Company Southern California Edison

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

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

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

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

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.0335	1.2000e-004	0.0132	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.0282	0.0282	0.0282	7.0000e-005	0.0000	0.0301
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	0.0000	0.0000
Mobile	0.0126	0.0490	0.1598	6.1000e-004	0.0556	4.4000e-004	0.0560	0.0149	4.1000e-004	0.0153	62.2574	62.2574	62.2574	2.5100e-003	0.0000	62.3201
Total	0.0461	0.0491	0.1730	6.1000e-004	0.0556	4.9000e-004	0.0560	0.0149	4.6000e-004	0.0153	62.2856	62.2856	62.2856	2.5800e-003	0.0000	62.3501

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.0335	1.2000e-004	0.0132	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.0282	0.0282	0.0282	7.0000e-005	0.0000	0.0301
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	0.0000	0.0000
Mobile	0.0126	0.0490	0.1598	6.1000e-004	0.0556	4.4000e-004	0.0560	0.0149	4.1000e-004	0.0153	62.2574	62.2574	62.2574	2.5100e-003	0.0000	62.3201
Total	0.0461	0.0491	0.1730	6.1000e-004	0.0556	4.9000e-004	0.0560	0.0149	4.6000e-004	0.0153	62.2856	62.2856	62.2856	2.5800e-003	0.0000	62.3501

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

	ROG	NOx	CO	SO2	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 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

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

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

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

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
	lb/day															
Fugitive Dust					1.0700	0.0000	1.0700	0.1620	0.0000	0.1620			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513	1.4411	1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.0700	1.5513	2.6213	0.1620	1.4411	1.6031		3,747.9449	3,747.9449	1.0549		3,774.3174

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

3.2 Demolition of Parking Lot - 2021
Unmitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	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	0.0785	2.4861	0.7717	8.6700e-003	0.2153	9.5900e-003	0.2249	0.0589	9.1700e-003	0.0681		968.4113	968.4113	0.0969		970.8332
Vendor	0.0160	0.5629	0.1527	1.4800e-003	0.0383	1.1700e-003	0.0395	0.0110	1.1200e-003	0.0122		161.2755	161.2755	0.0127		161.5917
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003		157.9136
Total	0.1487	3.0817	1.3799	0.0117	0.4213	0.0119	0.4331	0.1144	0.0113	0.1257		1,287.5159	1,287.5159	0.1129		1,290.3385

Mitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	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					0.4815	0.0000	0.4815	0.0729	0.0000	0.0729			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513	1.4411	1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.4815	1.5513	2.0328	0.0729	1.4411	1.5140	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

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

3.2 Demolition of Parking Lot - 2021

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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	0.0785	2.4861	0.7717	8.6700e-003	0.2153	9.5900e-003	0.2249	0.0589	9.1700e-003	0.0681		968.4113	968.4113	0.0969			970.8332
Vendor	0.0160	0.5629	0.1527	1.4800e-003	0.0383	1.1700e-003	0.0395	0.0110	1.1200e-003	0.0122		161.2755	161.2755	0.0127			161.5917
Worker	0.0541	0.0328	0.4556	1.5800e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8291	157.8291	3.3800e-003			157.9136
Total	0.1487	3.0817	1.3799	0.0117	0.4213	0.0119	0.4331	0.1144	0.0113	0.1257		1,287.5159	1,287.5159	0.1129			1,290.3385

3.3 Grading - Excavation - 2021

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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					6.6197	0.0000	6.6197	3.3777	0.0000	3.3777			0.0000				0.0000
Off-Road	2.5485	27.7595	17.9315	0.0391		1.2516	1.2516	1.1514	1.1514	1.1514		3,783.9909	3,783.9909	1.2238			3,814.5864
Total	2.5485	27.7595	17.9315	0.0391	6.6197	1.2516	7.8712	3.3777	1.1514	4.5291		3,783.9909	3,783.9909	1.2238			3,814.5864

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

3.3 Grading - Excavation - 2021
Unmitigated Construction Off-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
lb/day																
Hauling	1.1804	37.3692	11.5991	0.1303	3.2362	0.1442	3.3804	0.8857	0.1379	1.0236		14,556.44 67	14,556.44 67	1.4562		14,592.85 13
Vendor	0.0160	0.5629	0.1527	1.4800e-003	0.0383	1.1700e-003	0.0395	0.0110	1.1200e-003	0.0122		161.2755	161.2755	0.0127		161.5917
Worker	0.0650	0.0393	0.5467	1.9000e-003	0.2012	1.3000e-003	0.2025	0.0634	1.2000e-003	0.0546		189.3950	189.3950	4.0600e-003		189.4963
Total	1.2614	37.9714	12.2985	0.1337	3.4758	0.1466	3.6224	0.9501	0.1402	1.0903		14,907.11 72	14,907.11 72	1.4729		14,943.93 93

Mitigated 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
lb/day																
Fugitive Dust					2.9788	0.0000	2.9788	1.5200	0.0000	1.5200			0.0000			0.0000
Off-Road	2.5485	27.7595	17.9315	0.0391		1.2516	1.2516	1.1514	1.1514	1.1514	0.0000	3,783.990 9	3,783.990 9	1.2238		3,814.586 4
Total	2.5485	27.7595	17.9315	0.0391	2.9788	1.2516	4.2304	1.5200	1.1514	2.6714	0.0000	3,783.990 9	3,783.990 9	1.2238		3,814.586 4

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

3.3 Grading - Excavation - 2021

Mitigated Construction Off-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
lb/day																
Hauling	1.1804	37.3692	11.5991	0.1303	3.2362	0.1442	3.3804	0.8857	0.1379	1.0236		14,556.44 67	14,556.44 67	1.4562		14,592.85 13
Vendor	0.0160	0.5629	0.1527	1.4800e-003	0.0383	1.1700e-003	0.0395	0.0110	1.1200e-003	0.0122		161.2755	161.2755	0.0127		161.5917
Worker	0.0650	0.0393	0.5467	1.9000e-003	0.2012	1.3000e-003	0.2025	0.0534	1.2000e-003	0.0546		189.3950	189.3950	4.0600e-003		189.4963
Total	1.2614	37.9714	12.2985	0.1337	3.4758	0.1466	3.6224	0.9501	0.1402	1.0903		14,907.11 72	14,907.11 72	1.4729		14,943.93 93

3.4 Bridge Construction - 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
lb/day																
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3

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

3.4 Bridge Construction - 2021
Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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
Vendor	0.0400	1.4072	0.3816	3.7000e-003	0.0958	2.9200e-003	0.0988	0.0276	2.8000e-003	0.0304	403.1888	403.1888	403.1888	0.0316			403.9791
Worker	0.1372	0.0830	1.1542	4.0100e-003	0.4248	2.7500e-003	0.4275	0.1127	2.5300e-003	0.1152	399.8338	399.8338	399.8338	8.5600e-003			400.0478
Total	0.1772	1.4902	1.5358	7.7100e-003	0.5206	5.6700e-003	0.5263	0.1402	5.3300e-003	0.1456	803.0225	803.0225	803.0225	0.0402			804.0270

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643

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

3.4 Bridge Construction - 2021

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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
Vendor	0.0400	1.4072	0.3816	3.7000e-003	0.0958	2.9200e-003	0.0988	0.0276	2.8000e-003	0.0304	403.1888	403.1888	403.1888	0.0316			403.9791
Worker	0.1372	0.0830	1.1542	4.0100e-003	0.4248	2.7500e-003	0.4275	0.1127	2.5300e-003	0.1152	399.8338	399.8338	399.8338	8.5600e-003			400.0478
Total	0.1772	1.4902	1.5358	7.7100e-003	0.5206	5.6700e-003	0.5263	0.1402	5.3300e-003	0.1456	803.0225	803.0225	803.0225	0.0402			804.0270

3.5 Paving - 2022

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672			1,819.3091
Paving	0.3132					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.2897	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672			1,819.3091

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

3.5 Paving - 2022

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606	202.6403	202.6403	4.0900e-003	4.0900e-003	202.7426	202.7426	202.7426
Total	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606	202.6403	202.6403	4.0900e-003	4.0900e-003	202.7426	202.7426	202.7426

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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	0.9765	9.5221	12.1940	0.0189	0.4877	0.4877	0.4877	0.4504	0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672	0.5672	1,819.3091	1,819.3091
Paving	0.3132				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.2897	9.5221	12.1940	0.0189	0.4877	0.4877	0.4877	0.4504	0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672	0.5672	1,819.3091	1,819.3091

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

3.5 Paving - 2022

Mitigated Construction Off-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	
lb/day																	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003			202.7426
Total	0.0682	0.0396	0.5670	2.0300e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		202.6403	202.6403	4.0900e-003			202.7426

3.6 Painting - Landscaping - 2022

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	
lb/day																	
Archit. Coating	1.0148					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3693	3.0841	4.0515	6.0800e-003	0.1718	0.1718	0.1718	0.1646	0.1646	0.1646		582.6870	582.6870	0.1158			585.5808
Total	1.3841	3.0841	4.0515	6.0800e-003	0.1718	0.1718	0.1718	0.1646	0.1646	0.1646		582.6870	582.6870	0.1158			585.5808

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

3.6 Painting - Landscaping - 2022

Unmitigated Construction Off-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	
lb/day																	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0273	0.0158	0.2268	8.1000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.2000e-004	0.0242	81.0561	81.0561	81.0561	1.6400e-003			81.0970
Total	0.0273	0.0158	0.2268	8.1000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.2000e-004	0.0242	81.0561	81.0561	81.0561	1.6400e-003			81.0970

Mitigated 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	
lb/day																	
Archit. Coating	1.0148					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3693	3.0841	4.0515	6.0800e-003	0.1718	0.1718	0.1718	0.1646	0.1646	0.1646	0.0000	582.6870	582.6870	0.1158			585.5808
Total	1.3841	3.0841	4.0515	6.0800e-003	0.1718	0.1718	0.1718	0.1646	0.1646	0.1646	0.0000	582.6870	582.6870	0.1158			585.5808

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

3.6 Painting - Landscaping - 2022

Mitigated Construction Off-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	
	lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0273	0.0158	0.2268	8.1000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.2000e-004	0.0242		81.0561	81.0561	1.6400e-003			81.0970
Total	0.0273	0.0158	0.2268	8.1000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.2000e-004	0.0242		81.0561	81.0561	1.6400e-003			81.0970

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

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
Mitigated	0.0126	0.0490	0.1598	6.1000e-004	0.0556	4.4000e-004	0.0560	0.0149	4.1000e-004	0.0153	62.2574	62.2574	62.2574	2.5100e-003		62.3201
Unmitigated	0.0126	0.0490	0.1598	6.1000e-004	0.0556	4.4000e-004	0.0560	0.0149	4.1000e-004	0.0153	62.2574	62.2574	62.2574	2.5100e-003		62.3201

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-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
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

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBTU/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	
lb/day																		
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Natural Gas Use kBTU/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	
lb/day																		
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

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

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	0.0335	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301
Unmitigated	0.0335	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	5.5600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0268					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2300e-003	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301
Total	0.0335	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301

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

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	5.5600e-003				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0268				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	1.2300e-003	1.2000e-004	0.0132	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.0282	0.0282	0.0282	7.0000e-005		0.0301
Total	0.0335	1.2000e-004	0.0132	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.0282	0.0282	0.0282	7.0000e-005		0.0301

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

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

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

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

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

Utility Company Southern California Edison

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

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

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

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

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.0335	1.2000e-004	0.0132	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.0282	0.0282	0.0282	7.0000e-005	0.0000	0.0301
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	0.0000	0.0000
Mobile	0.0124	0.0502	0.1534	5.9000e-004	0.0556	4.4000e-004	0.0560	0.0149	4.1000e-004	0.0153	59.4997	59.4997	59.4997	2.5100e-003	0.0000	59.5624
Total	0.0459	0.0504	0.1666	5.9000e-004	0.0556	4.9000e-004	0.0560	0.0149	4.6000e-004	0.0153	59.5280	59.5280	59.5280	2.5800e-003	0.0000	59.5925

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.0335	1.2000e-004	0.0132	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.0282	0.0282	0.0282	7.0000e-005	0.0000	0.0301
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	0.0000	0.0000
Mobile	0.0124	0.0502	0.1534	5.9000e-004	0.0556	4.4000e-004	0.0560	0.0149	4.1000e-004	0.0153	59.4997	59.4997	59.4997	2.5100e-003	0.0000	59.5624
Total	0.0459	0.0504	0.1666	5.9000e-004	0.0556	4.9000e-004	0.0560	0.0149	4.6000e-004	0.0153	59.5280	59.5280	59.5280	2.5800e-003	0.0000	59.5925

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

	ROG	NOx	CO	SO2	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 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

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

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

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

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
Fugitive Dust					1.0700	0.0000	1.0700	0.1620	0.0000	0.1620			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513	1.4411	1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.0700	1.5513	2.6213	0.1620	1.4411	1.6031		3,747.9449	3,747.9449	1.0549		3,774.3174

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

3.2 Demolition of Parking Lot - 2021

Unmitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	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	0.0794	2.5477	0.7860	8.6100e-003	0.2153	9.6600e-003	0.2250	0.0589	9.2400e-003	0.0682		962.0914	962.0914	0.0978		964.5371
Vendor	0.0168	0.5616	0.1675	1.4400e-003	0.0383	1.2100e-003	0.0396	0.0110	1.1600e-003	0.0122		157.3134	157.3134	0.0133		157.6450
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1575	3.1453	1.3739	0.0116	0.4213	0.0120	0.4333	0.1144	0.0114	0.1258		1,268.779	1,268.779	0.1143		1,271.636

Mitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	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					0.4815	0.0000	0.4815	0.0729	0.0000	0.0729			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513	1.4411	1.4411	1.4411	0.0000	3,747.944	3,747.944	1.0549		3,774.317
Total	3.1651	31.4407	21.5650	0.0388	0.4815	1.5513	2.0328	0.0729	1.4411	1.5140	0.0000	3,747.944	3,747.944	1.0549		3,774.317

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

3.2 Demolition of Parking Lot - 2021

Mitigated Construction Off-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
lb/day																
Hauling	0.0794	2.5477	0.7860	8.6100e-003	0.2153	9.6600e-003	0.2250	0.0589	9.2400e-003	0.0682		962.0914	962.0914	0.0978		964.5371
Vendor	0.0168	0.5616	0.1675	1.4400e-003	0.0383	1.2100e-003	0.0396	0.0110	1.1600e-003	0.0122		157.3134	157.3134	0.0133		157.6450
Worker	0.0613	0.0360	0.4204	1.5000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		149.3748	149.3748	3.2000e-003		149.4548
Total	0.1575	3.1453	1.3739	0.0116	0.4213	0.0120	0.4333	0.1144	0.0114	0.1258		1,268.7796	1,268.7796	0.1143		1,271.6369

3.3 Grading - Excavation - 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
lb/day																
Fugitive Dust					6.6197	0.0000	6.6197	3.3777	0.0000	3.3777			0.0000			0.0000
Off-Road	2.5485	27.7595	17.9315	0.0391		1.2516	1.2516	1.1514	1.1514	1.1514		3,783.9909	3,783.9909	1.2238		3,814.5864
Total	2.5485	27.7595	17.9315	0.0391	6.6197	1.2516	7.8712	3.3777	1.1514	4.5291		3,783.9909	3,783.9909	1.2238		3,814.5864

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

3.3 Grading - Excavation - 2021
Unmitigated Construction Off-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
lb/day																
Hauling	1.1933	38.2955	11.8144	0.1294	3.2362	0.1452	3.3814	0.8857	0.1389	1.0246		14,461.4504	14,461.4504	1.4705		14,498.2130
Vendor	0.0168	0.5616	0.1675	1.4400e-003	0.0383	1.2100e-003	0.0396	0.0110	1.1600e-003	0.0122		157.3134	157.3134	0.0133		157.6450
Worker	0.0736	0.0432	0.5045	1.8000e-003	0.2012	1.3000e-003	0.2025	0.0634	1.2000e-003	0.0546		179.2498	179.2498	3.8400e-003		179.3458
Total	1.2836	38.9003	12.4863	0.1327	3.4758	0.1477	3.6235	0.9501	0.1413	1.0914		14,798.0136	14,798.0136	1.4876		14,835.2038

Mitigated 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
lb/day																
Fugitive Dust					2.9788	0.0000	2.9788	1.5200	0.0000	1.5200			0.0000			0.0000
Off-Road	2.5485	27.7595	17.9315	0.0391		1.2516	1.2516	1.1514	1.1514	1.1514	0.0000	3,783.9909	3,783.9909	1.2238		3,814.5864
Total	2.5485	27.7595	17.9315	0.0391	2.9788	1.2516	4.2304	1.5200	1.1514	2.6714	0.0000	3,783.9909	3,783.9909	1.2238		3,814.5864

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

3.3 Grading - Excavation - 2021

Mitigated Construction Off-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
lb/day																
Hauling	1.1933	38.2955	11.8144	0.1294	3.2362	0.1452	3.3814	0.8857	0.1389	1.0246		14,461.4504	14,461.4504	1.4705		14,498.2130
Vendor	0.0168	0.5616	0.1675	1.4400e-003	0.0383	1.2100e-003	0.0396	0.0110	1.1600e-003	0.0122		157.3134	157.3134	0.0133		157.6450
Worker	0.0736	0.0432	0.5045	1.8000e-003	0.2012	1.3000e-003	0.2025	0.0534	1.2000e-003	0.0546		179.2498	179.2498	3.8400e-003		179.3458
Total	1.2836	38.9003	12.4863	0.1327	3.4758	0.1477	3.6235	0.9501	0.1413	1.0914		14,798.0136	14,798.0136	1.4876		14,835.2038

3.4 Bridge Construction - 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
lb/day																
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

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

3.4 Bridge Construction - 2021
Unmitigated Construction Off-Site

lb/day																	
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	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0420	1.4039	0.4187	3.6100e-003	0.0958	3.0300e-003	0.0989	0.0276	2.9000e-003	0.0305	393.2835	393.2835	393.2835	0.0332		394.1125	
Worker	0.1553	0.0912	1.0650	3.7900e-003	0.4248	2.7500e-003	0.4275	0.1127	2.5300e-003	0.1152	378.4162	378.4162	378.4162	8.1000e-003		378.6188	
Total	0.1973	1.4951	1.4837	7.4000e-003	0.5206	5.7800e-003	0.5264	0.1402	5.4300e-003	0.1457	771.6997	771.6997	771.6997	0.0413		772.7313	

Mitigated Construction On-Site

lb/day																	
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	
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643	
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643	

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

3.4 Bridge Construction - 2021

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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	0.0420	1.4039	0.4187	3.6100e-003	0.0958	3.0300e-003	0.0989	0.0276	2.9000e-003	0.0305	393.2835	393.2835	0.0332	0.0332		394.1125	
Worker	0.1553	0.0912	1.0650	3.7900e-003	0.4248	2.7500e-003	0.4275	0.1127	2.5300e-003	0.1152	378.4162	378.4162	8.1000e-003	8.1000e-003		378.6188	
Total	0.1973	1.4951	1.4837	7.4000e-003	0.5206	5.7800e-003	0.5264	0.1402	5.4300e-003	0.1457	771.6997	771.6997	0.0413	0.0413		772.7313	

3.5 Paving - 2022

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	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	0.9765	9.5221	12.1940	0.0189	0.4877	0.4877	0.4877	0.4504	0.4504	0.4504	1,805.1297	1,805.1297	0.5672	0.5672		1,819.3091	
Paving	0.3132				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000	
Total	1.2897	9.5221	12.1940	0.0189	0.4877	0.4877	0.4877	0.4504	0.4504	0.4504	1,805.1297	1,805.1297	0.5672	0.5672		1,819.3091	

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

3.5 Paving - 2022

Unmitigated Construction Off-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
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606	191.7958	191.7958	3.8700e-003	191.8925		191.8925
Total	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606	191.7958	191.7958	3.8700e-003	191.8925		191.8925

Mitigated 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
lb/day																
Off-Road	0.9765	9.5221	12.1940	0.0189	0.4877	0.4877	0.4877	0.4504	0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.3132				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total	1.2897	9.5221	12.1940	0.0189	0.4877	0.4877	0.4877	0.4504	0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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

3.5 Paving - 2022

Mitigated Construction Off-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	
lb/day																	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003			191.8925
Total	0.0774	0.0435	0.5224	1.9200e-003	0.2236	1.4200e-003	0.2250	0.0593	1.3100e-003	0.0606		191.7958	191.7958	3.8700e-003			191.8925

3.6 Painting - Landscaping - 2022

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	
lb/day																	
Archit. Coating	1.0148					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3693	3.0841	4.0515	6.0800e-003	0.1718	0.1718	0.1718	0.1646	0.1646	0.1646		582.6870	582.6870	0.1158			585.5808
Total	1.3841	3.0841	4.0515	6.0800e-003	0.1718	0.1718	0.1718	0.1646	0.1646	0.1646		582.6870	582.6870	0.1158			585.5808

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

3.6 Painting - Landscaping - 2022

Unmitigated Construction Off-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
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0310	0.0174	0.2089	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.2000e-004	0.0242	76.7183	76.7183	76.7183	1.5500e-003		76.7570
Total	0.0310	0.0174	0.2089	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.2000e-004	0.0242	76.7183	76.7183	76.7183	1.5500e-003		76.7570

Mitigated 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
lb/day																
Archit. Coating	1.0148					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3693	3.0841	4.0515	6.0800e-003		0.1718	0.1718		0.1646	0.1646	0.0000	582.6870	582.6870	0.1158		585.5808
Total	1.3841	3.0841	4.0515	6.0800e-003		0.1718	0.1718		0.1646	0.1646	0.0000	582.6870	582.6870	0.1158		585.5808

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

3.6 Painting - Landscaping - 2022

Mitigated Construction Off-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
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0310	0.0174	0.2089	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.2000e-004	0.0242	76.7183	76.7183	76.7183	1.5500e-003		76.7570
Total	0.0310	0.0174	0.2089	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.2000e-004	0.0242	76.7183	76.7183	76.7183	1.5500e-003		76.7570

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

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
Mitigated	0.0124	0.0502	0.1534	5.9000e-004	0.0556	4.4000e-004	0.0560	0.0149	4.1000e-004	0.0153	59.4997	59.4997	59.4997	2.5100e-003		59.5624
Unmitigated	0.0124	0.0502	0.1534	5.9000e-004	0.0556	4.4000e-004	0.0560	0.0149	4.1000e-004	0.0153	59.4997	59.4997	59.4997	2.5100e-003		59.5624

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT		
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

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBTU/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
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
Other Non-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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Natural Gas Use kBTU/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
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
Other Non-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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

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

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	0.0335	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301
Unmitigated	0.0335	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	5.5600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0268					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2300e-003	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301
Total	0.0335	1.2000e-004	0.0132	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301

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

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	5.5600e-003				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0268				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	1.2300e-003	1.2000e-004	0.0132	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005		0.0282	0.0282	7.0000e-005		0.0301
Total	0.0335	1.2000e-004	0.0132	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.0282	0.0282	0.0282	7.0000e-005		0.0301

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

