

Riverside Motorcycle Park - Riverside-South Coast County, Winter

Riverside Motorcycle Park
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	21.91	1000sqft	0.50	21,909.00	0
Other Non-Asphalt Surfaces	3,974.78	1000sqft	91.25	3,974,783.00	0
Regional Shopping Center	42.28	1000sqft	0.97	42,284.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The Proposed Project includes implementation of 42,284 square feet of building space, of which a majority will be optimized to support the proposed Pro Race Shop. Therefore, CalEEMod's "Regional Shopping Center" Land Use Subtype was determined to be most representative of the proposed building use.

Construction Phase - Demolition is not required.

Vehicle Trips - In accordance with the TIA prepared by Urban Crossroads.

Fleet Mix - In accordance with the TIA prepared by Urban Crossroads.

Construction Off-road Equipment Mitigation -

Riverside Motorcycle Park - Riverside-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	100.00
tblConstructionPhase	NumDays	1,550.00	100.00
tblConstructionPhase	NumDays	110.00	100.00
tblConstructionPhase	PhaseEndDate	8/13/2027	12/24/2021
tblConstructionPhase	PhaseEndDate	10/9/2026	3/19/2021
tblConstructionPhase	PhaseEndDate	3/12/2027	8/6/2021
tblConstructionPhase	PhaseStartDate	3/13/2027	8/9/2021
tblConstructionPhase	PhaseStartDate	10/31/2020	11/2/2020
tblConstructionPhase	PhaseStartDate	10/10/2026	3/22/2021
tblFleetMix	HHD	0.07	0.00
tblFleetMix	LDA	0.54	0.97
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.1410e-003	0.00
tblFleetMix	MCY	4.5820e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	1.0380e-003	0.00
tblFleetMix	MHD	0.02	0.03
tblFleetMix	OBUS	1.3830e-003	0.00
tblFleetMix	SBUS	9.4500e-004	0.00
tblFleetMix	UBUS	1.1830e-003	0.00
tblLandUse	LandUseSquareFeet	21,910.00	21,909.00
tblLandUse	LandUseSquareFeet	3,974,780.00	3,974,783.00
tblLandUse	LandUseSquareFeet	42,280.00	42,284.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

Riverside Motorcycle Park - Riverside-South Coast County, Winter

tblVehicleTrips	ST_TR	49.97	9.72
tblVehicleTrips	SU_TR	25.24	9.72
tblVehicleTrips	WD_TR	42.70	9.72

2.0 Emissions Summary

Riverside Motorcycle Park - Riverside-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7034	3.8000e-003	0.4140	3.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003		0.8839	0.8839	2.3500e-003		0.9426
Energy	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2564	30.2564	5.8000e-004	5.5000e-004	30.4362
Mobile	0.3471	0.9369	4.5833	0.0180	2.1894	0.0132	2.2026	0.5836	0.0123	0.5959		1,802.8045	1,802.8045	0.0317		1,803.5968
Total	3.0533	0.9660	5.0185	0.0182	2.1894	0.0166	2.2060	0.5836	0.0157	0.5993		1,833.9448	1,833.9448	0.0346	5.5000e-004	1,834.9757

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7034	3.8000e-003	0.4140	3.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003		0.8839	0.8839	2.3500e-003		0.9426
Energy	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2564	30.2564	5.8000e-004	5.5000e-004	30.4362
Mobile	0.3471	0.9369	4.5833	0.0180	2.1894	0.0132	2.2026	0.5836	0.0123	0.5959		1,802.8045	1,802.8045	0.0317		1,803.5968
Total	3.0533	0.9660	5.0185	0.0182	2.1894	0.0166	2.2060	0.5836	0.0157	0.5993		1,833.9448	1,833.9448	0.0346	5.5000e-004	1,834.9757

Riverside Motorcycle Park - Riverside-South Coast 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	Site Preparation	Site Preparation	1/6/2020	3/27/2020	5	60	
2	Grading	Grading	3/28/2020	10/30/2020	5	155	
3	Building Construction	Building Construction	11/2/2020	3/19/2021	5	100	
4	Paving	Paving	3/22/2021	8/6/2021	5	100	
5	Architectural Coating	Architectural Coating	8/9/2021	12/24/2021	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 91.75

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 63,426; Non-Residential Outdoor: 21,142; Striped Parking Area: 239,802 (Architectural Coating – sqft)

OffRoad Equipment

Riverside Motorcycle Park - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,692.00	662.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	338.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1139	0.0735	0.7613	2.3900e-003	0.2709	1.6000e-003	0.2725	0.0719	1.4700e-003	0.0733		238.2240	238.2240	5.8000e-003		238.3689
Total	0.1139	0.0735	0.7613	2.3900e-003	0.2709	1.6000e-003	0.2725	0.0719	1.4700e-003	0.0733		238.2240	238.2240	5.8000e-003		238.3689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	8.1298	2.1974	10.3272	4.4688	2.0216	6.4904	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1139	0.0735	0.7613	2.3900e-003	0.2709	1.6000e-003	0.2725	0.0719	1.4700e-003	0.0733		238.2240	238.2240	5.8000e-003		238.3689
Total	0.1139	0.0735	0.7613	2.3900e-003	0.2709	1.6000e-003	0.2725	0.0719	1.4700e-003	0.0733		238.2240	238.2240	5.8000e-003		238.3689

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1266	0.0816	0.8459	2.6600e-003	0.3010	1.7800e-003	0.3028	0.0798	1.6400e-003	0.0815		264.6933	264.6933	6.4400e-003		264.8544
Total	0.1266	0.0816	0.8459	2.6600e-003	0.3010	1.7800e-003	0.3028	0.0798	1.6400e-003	0.0815		264.6933	264.6933	6.4400e-003		264.8544

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	3.9030	2.1739	6.0769	1.6184	2.0000	3.6184	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1266	0.0816	0.8459	2.6600e-003	0.3010	1.7800e-003	0.3028	0.0798	1.6400e-003	0.0815		264.6933	264.6933	6.4400e-003		264.8544
Total	0.1266	0.0816	0.8459	2.6600e-003	0.3010	1.7800e-003	0.3028	0.0798	1.6400e-003	0.0815		264.6933	264.6933	6.4400e-003		264.8544

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.0665	71.2098	15.2679	0.1841	4.8510	0.4453	5.2963	1.3964	0.4260	1.8224		19,403.19 85	19,403.19 85	1.5499		19,441.94 57
Worker	10.7099	6.9052	71.5633	0.2247	25.4683	0.1505	25.6188	6.7536	0.1386	6.8922		22,393.05 40	22,393.05 40	0.5450		22,406.67 83
Total	12.7764	78.1150	86.8312	0.4088	30.3193	0.5958	30.9152	8.1500	0.5646	8.7146		41,796.25 25	41,796.25 25	2.0949		41,848.62 40

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.0665	71.2098	15.2679	0.1841	4.8510	0.4453	5.2963	1.3964	0.4260	1.8224		19,403.1985	19,403.1985	1.5499		19,441.9457
Worker	10.7099	6.9052	71.5633	0.2247	25.4683	0.1505	25.6188	6.7536	0.1386	6.8922		22,393.0540	22,393.0540	0.5450		22,406.6783
Total	12.7764	78.1150	86.8312	0.4088	30.3193	0.5958	30.9152	8.1500	0.5646	8.7146		41,796.2525	41,796.2525	2.0949		41,848.6240

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		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		2,553.3639	2,553.3639	0.6160		2,568.7643

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7281	63.3967	13.4616	0.1826	4.8508	0.1352	4.9860	1.3964	0.1293	1.5257		19,253.9878	19,253.9878	1.4685		19,290.7004
Worker	10.0103	6.1982	65.5166	0.2171	25.4683	0.1465	25.6147	6.7536	0.1349	6.8884		21,644.0392	21,644.0392	0.4903		21,656.2966
Total	11.7384	69.5948	78.9782	0.3997	30.3191	0.2816	30.6008	8.1499	0.2641	8.4141		40,898.0270	40,898.0270	1.9588		40,946.9971

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	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

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7281	63.3967	13.4616	0.1826	4.8508	0.1352	4.9860	1.3964	0.1293	1.5257		19,253.9878	19,253.9878	1.4685		19,290.7004
Worker	10.0103	6.1982	65.5166	0.2171	25.4683	0.1465	25.6147	6.7536	0.1349	6.8884		21,644.0392	21,644.0392	0.4903		21,656.2966
Total	11.7384	69.5948	78.9782	0.3997	30.3191	0.2816	30.6008	8.1499	0.2641	8.4141		40,898.0270	40,898.0270	1.9588		40,946.9971

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2687	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0887	0.0550	0.5808	1.9200e-003	0.2258	1.3000e-003	0.2271	0.0599	1.2000e-003	0.0611		191.8798	191.8798	4.3500e-003		191.9885
Total	0.0887	0.0550	0.5808	1.9200e-003	0.2258	1.3000e-003	0.2271	0.0599	1.2000e-003	0.0611		191.8798	191.8798	4.3500e-003		191.9885

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2687	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0887	0.0550	0.5808	1.9200e-003	0.2258	1.3000e-003	0.2271	0.0599	1.2000e-003	0.0611		191.8798	191.8798	4.3500e-003		191.9885
Total	0.0887	0.0550	0.5808	1.9200e-003	0.2258	1.3000e-003	0.2271	0.0599	1.2000e-003	0.0611		191.8798	191.8798	4.3500e-003		191.9885

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.0346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	15.2535	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.9997	1.2382	13.0878	0.0434	5.0876	0.0293	5.1169	1.3491	0.0269	1.3761		4,323.6910	4,323.6910	0.0979		4,326.1396
Total	1.9997	1.2382	13.0878	0.0434	5.0876	0.0293	5.1169	1.3491	0.0269	1.3761		4,323.6910	4,323.6910	0.0979		4,326.1396

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.0346					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	15.2535	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Riverside Motorcycle Park - Riverside-South Coast County, Winter

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.9997	1.2382	13.0878	0.0434	5.0876	0.0293	5.1169	1.3491	0.0269	1.3761		4,323.6910	4,323.6910	0.0979		4,326.1396
Total	1.9997	1.2382	13.0878	0.0434	5.0876	0.0293	5.1169	1.3491	0.0269	1.3761		4,323.6910	4,323.6910	0.0979		4,326.1396

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Riverside Motorcycle Park - Riverside-South Coast 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
Category	lb/day										lb/day					
Mitigated	0.3471	0.9369	4.5833	0.0180	2.1894	0.0132	2.2026	0.5836	0.0123	0.5959		1,802.8045	1,802.8045	0.0317		1,803.5968
Unmitigated	0.3471	0.9369	4.5833	0.0180	2.1894	0.0132	2.2026	0.5836	0.0123	0.5959		1,802.8045	1,802.8045	0.0317		1,803.5968

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	410.96	410.96	410.96	1,038,997	1,038,997
Total	410.96	410.96	410.96	1,038,997	1,038,997

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
Other Non-Asphalt Surfaces	18.50	10.10	7.90	0.00	0.00	0.00	0	0	0
Parking Lot	18.50	10.10	7.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	18.50	10.10	7.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Riverside Motorcycle Park - Riverside-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Parking Lot	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Regional Shopping Center	0.966000	0.000000	0.000000	0.000000	0.000000	0.000000	0.034000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2564	30.2564	5.8000e-004	5.5000e-004	30.4362
NaturalGas Unmitigated	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2564	30.2564	5.8000e-004	5.5000e-004	30.4362

Riverside Motorcycle Park - Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Regional Shopping Center	257.179	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2564	30.2564	5.8000e-004	5.5000e-004	30.4362
Total		2.7700e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2564	30.2564	5.8000e-004	5.5000e-004	30.4362

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Regional Shopping Center	0.257179	2.7700e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2564	30.2564	5.8000e-004	5.5000e-004	30.4362
Total		2.7700e-003	0.0252	0.0212	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.2564	30.2564	5.8000e-004	5.5000e-004	30.4362

6.0 Area Detail

Riverside Motorcycle Park - Riverside-South Coast County, Winter

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	lb/day										lb/day					
Mitigated	2.7034	3.8000e-003	0.4140	3.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003		0.8839	0.8839	2.3500e-003		0.9426
Unmitigated	2.7034	3.8000e-003	0.4140	3.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003		0.8839	0.8839	2.3500e-003		0.9426

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4119					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0387	3.8000e-003	0.4140	3.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003		0.8839	0.8839	2.3500e-003		0.9426
Total	2.7034	3.8000e-003	0.4140	3.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003		0.8839	0.8839	2.3500e-003		0.9426

Riverside Motorcycle Park - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4119					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0387	3.8000e-003	0.4140	3.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003		0.8839	0.8839	2.3500e-003		0.9426
Total	2.7034	3.8000e-003	0.4140	3.0000e-005		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003		0.8839	0.8839	2.3500e-003		0.9426

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

Riverside Motorcycle Park - Riverside-South Coast County, Winter

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation
