

Bridge Point Upland - San Bernardino-South Coast County, Summer

Bridge Point Upland
San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	266.82	1000sqft	6.13	266,825.00	0
Parking Lot	861.05	1000sqft	19.77	1,306,800.00	0
Regional Shopping Center	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2020
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 - 266.8 kSF buildings, 6.53 acres (284 KSF) landscaping, 1,306,800 KSF parking
 Construction Phase - anticipated construction schedule
 Off-road Equipment - anticipated construction equipment
 Off-road Equipment - anticipated construction equipment
 Off-road Equipment -
 Off-road Equipment - anticipated construction equipment

Off-road Equipment - anticipated construction equipment

Off-road Equipment -

Trips and VMT - Export site is less 1 mile from project site

Demolition -

Grading - Anticipated export

Architectural Coating - low VOC paint mitigation

Vehicle Trips - trip rates from Translutions trip generation report using High Cube Warehouse

Construction Off-road Equipment Mitigation - mitigation per Rule 403

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Operational Off-Road Equipment - anticipated operational equipment

Fleet Mix - Fleet mix from Translutions Traffic Study

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	45.00	35.00
tblConstructionPhase	NumDays	440.00	100.00
tblConstructionPhase	NumDays	35.00	66.00
tblConstructionPhase	NumDays	35.00	14.00
tblFleetMix	HHD	0.06	0.02
tblFleetMix	LDA	0.55	0.23
tblFleetMix	LHD1	0.02	0.38
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	UBUS	1.6570e-003	0.00

tblGrading	MaterialExported	0.00	431.00
tblLandUse	LandUseSquareFeet	266,820.00	266,825.00
tblLandUse	LandUseSquareFeet	861,050.00	1,306,800.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	12.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblVehicleTrips	ST_TR	49.97	36.50
tblVehicleTrips	ST_TR	1.68	7.94
tblVehicleTrips	SU_TR	25.24	36.50
tblVehicleTrips	SU_TR	1.68	7.94
tblVehicleTrips	WD_TR	42.70	36.50
tblVehicleTrips	WD_TR	1.68	7.94

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	52.1311	85.1995	61.7018	0.1939	18.2675	3.5286	20.4662	9.9840	3.2464	12.0069	0.0000	19,561.3656	19,561.3656	3.4353	0.0000	19,596.9796
Maximum	52.1311	85.1995	61.7018	0.1939	18.2675	3.5286	20.4662	9.9840	3.2464	12.0069	0.0000	19,561.3656	19,561.3656	3.4353	0.0000	19,596.9796

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	52.1311	85.1995	61.7018	0.1939	10.0380	3.5286	11.5615	4.2962	3.2464	6.3190	0.0000	19,561.3656	19,561.3656	3.4353	0.0000	19,596.9795
Maximum	52.1311	85.1995	61.7018	0.1939	10.0380	3.5286	11.5615	4.2962	3.2464	6.3190	0.0000	19,561.3656	19,561.3656	3.4353	0.0000	19,596.9795

	ROG	NOx	CO	SO2	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	45.05	0.00	43.51	56.97	0.00	47.37	0.00	0.00	0.00	0.00	0.00	0.00

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	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
Energy	0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4800e-003	3.3300e-003	182.8221
Mobile	8.3086	70.3239	94.6903	0.3179	21.6738	0.4846	22.1584	5.9052	0.4603	6.3655		32,204.5657	32,204.5657	1.2062		32,234.7218
Offroad	1.7281	15.5700	14.1632	0.0183		1.1600	1.1600		1.0672	1.0672		1,776.3700	1,776.3700	0.5745		1,790.7328

Total	16.8110	86.0465	109.0976	0.3372	21.6738	1.6565	23.3303	5.9052	1.5394	7.4446		34,162.9268	34,162.9268	1.7849	3.3300e-003	34,208.5424
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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	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
Energy	0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4800e-003	3.3300e-003	182.8221
Mobile	8.3086	70.3239	94.6903	0.3179	21.6738	0.4846	22.1584	5.9052	0.4603	6.3655		32,204.5657	32,204.5657	1.2062		32,234.7218
Offroad	1.7281	15.5700	14.1632	0.0183		1.1600	1.1600		1.0672	1.0672		1,776.3700	1,776.3700	0.5745		1,790.7328
Total	16.8110	86.0465	109.0976	0.3372	21.6738	1.6565	23.3303	5.9052	1.5394	7.4446		34,162.9268	34,162.9268	1.7849	3.3300e-003	34,208.5424

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2020	1/31/2020	5	0	
2	Site Preparation	Site Preparation	2/1/2020	2/4/2020	5	2	
3	Grading	Grading	2/5/2020	3/24/2020	5	35	
4	Building Construction	Building Construction	3/25/2020	8/11/2020	5	100	
5	Architectural Coating	Architectural Coating	6/1/2020	8/31/2020	5	66	
6	Paving	Paving	8/12/2020	8/31/2020	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 175

Acres of Paving: 19.77

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 415,238; Non-Residential Outdoor: 138,413; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	54.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	664.00	260.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	133.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

3.3 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

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	0.0982	0.0631	0.8095	2.0400e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		203.4151	203.4151	6.2100e-003		203.5704
Total	0.0982	0.0631	0.8095	2.0400e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		203.4151	203.4151	6.2100e-003		203.5704

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			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	7.7233	2.1974	9.9207	4.2454	2.0216	6.2670	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0982	0.0631	0.8095	2.0400e-003	0.1907	1.3200e-003	0.1920	0.0508	1.2100e-003	0.0520		203.4151	203.4151	6.2100e-003		203.5704
Total	0.0982	0.0631	0.8095	2.0400e-003	0.1907	1.3200e-003	0.1920	0.0508	1.2100e-003	0.0520		203.4151	203.4151	6.2100e-003		203.5704

3.4 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					11.3260	0.0000	11.3260	3.8830	0.0000	3.8830			0.0000			0.0000
Off-Road	7.4017	84.8525	55.2256	0.1093		3.5266	3.5266		3.2445	3.2445		10,582.8510	10,582.8510	3.4227		10,668.4187
Total	7.4017	84.8525	55.2256	0.1093	11.3260	3.5266	14.8526	3.8830	3.2445	7.1274		10,582.8510	10,582.8510	3.4227		10,668.4187

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	6.4400e-003	0.2769	0.0360	7.3000e-004	0.0135	5.9000e-004	0.0141	3.7100e-003	5.7000e-004	4.2800e-003		77.1877	77.1877	5.7000e-003		77.3303
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	0.1092	0.0701	0.8995	2.2700e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3500e-003	0.0606		226.0168	226.0168	6.9000e-003		226.1893
Total	0.1156	0.3470	0.9355	3.0000e-003	0.2371	2.0500e-003	0.2391	0.0630	1.9200e-003	0.0649		303.2046	303.2046	0.0126		303.5196

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					4.8419	0.0000	4.8419	1.6600	0.0000	1.6600			0.0000			0.0000

Off-Road	7.4017	84.8525	55.2256	0.1093		3.5266	3.5266		3.2445	3.2445	0.0000	10,582.8510	10,582.8510	3.4227		10,668.4187
Total	7.4017	84.8525	55.2256	0.1093	4.8419	3.5266	8.3685	1.6600	3.2445	4.9044	0.0000	10,582.8510	10,582.8510	3.4227		10,668.4187

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	6.4400e-003	0.2769	0.0360	7.3000e-004	0.0129	5.9000e-004	0.0135	3.5600e-003	5.7000e-004	4.1300e-003		77.1877	77.1877	5.7000e-003		77.3303
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	0.1092	0.0701	0.8995	2.2700e-003	0.2119	1.4600e-003	0.2134	0.0564	1.3500e-003	0.0578		226.0168	226.0168	6.9000e-003		226.1893
Total	0.1156	0.3470	0.9355	3.0000e-003	0.2248	2.0500e-003	0.2269	0.0600	1.9200e-003	0.0619		303.2046	303.2046	0.0126		303.5196

3.5 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

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	0.7893	27.4375	5.3472	0.0705	1.6653	0.1263	1.7915	0.4795	0.1208	0.6003		7,438.6360	7,438.6360	0.4832			7,450.7151
Worker	3.6240	2.3259	29.8619	0.0754	7.4220	0.0486	7.4706	1.9683	0.0448	2.0131		7,503.7586	7,503.7586	0.2291			7,509.4854
Total	4.4133	29.7633	35.2091	0.1459	9.0872	0.1749	9.2621	2.4478	0.1656	2.6134		14,942.3946	14,942.3946	0.7122			14,960.2005

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	2,553.0631	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	0.0000	2,553.0631	2,553.0631	0.6229			2,568.6345

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	0.0000	0.0000
Vendor	0.7893	27.4375	5.3472	0.0705	1.5941	0.1263	1.7204	0.4620	0.1208	0.5828		7,438.6360	7,438.6360	0.4832		7,450.7151
Worker	3.6240	2.3259	29.8619	0.0754	7.0348	0.0486	7.0834	1.8733	0.0448	1.9181		7,503.7586	7,503.7586	0.2291		7,509.4854
Total	4.4133	29.7633	35.2091	0.1459	8.6289	0.1749	8.8038	2.3353	0.1656	2.5009		14,942.3946	14,942.3946	0.7122		14,960.2005

3.6 Architectural Coating - 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					
Archit. Coating	44.3878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4844	3.3677	3.6628	5.9400e-003		0.2219	0.2219		0.2219	0.2219		562.8961	562.8961	0.0436		563.9856
Total	44.8721	3.3677	3.6628	5.9400e-003		0.2219	0.2219		0.2219	0.2219		562.8961	562.8961	0.0436		563.9856

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	0.7259	0.4659	5.9814	0.0151	1.4866	9.7400e-003	1.4964	0.3943	8.9700e-003	0.4032		1,503.0119	1,503.0119	0.0459		1,504.1590
Total	0.7259	0.4659	5.9814	0.0151	1.4866	9.7400e-003	1.4964	0.3943	8.9700e-003	0.4032		1,503.0119	1,503.0119	0.0459		1,504.1590

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	44.3878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4844	3.3677	3.6628	5.9400e-003		0.2219	0.2219		0.2219	0.2219	0.0000	562.8961	562.8961	0.0436		563.9856
Total	44.8721	3.3677	3.6628	5.9400e-003		0.2219	0.2219		0.2219	0.2219	0.0000	562.8961	562.8961	0.0436		563.9856

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	0.7259	0.4659	5.9814	0.0151	1.4091	9.7400e-003	1.4188	0.3752	8.9700e-003	0.3842		1,503.0119	1,503.0119	0.0459		1,504.1590
Total	0.7259	0.4659	5.9814	0.0151	1.4091	9.7400e-003	1.4188	0.3752	8.9700e-003	0.3842		1,503.0119	1,503.0119	0.0459		1,504.1590

3.7 Paving - 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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	3.6998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.0564	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

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	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
Total	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Paving	3.6998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.0564	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

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	0.0819	0.0525	0.6746	1.7000e-003	0.1589	1.1000e-003	0.1600	0.0423	1.0100e-003	0.0433		169.5126	169.5126	5.1700e-003		169.6420
Total	0.0819	0.0525	0.6746	1.7000e-003	0.1589	1.1000e-003	0.1600	0.0423	1.0100e-003	0.0433		169.5126	169.5126	5.1700e-003		169.6420

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.3086	70.3239	94.6903	0.3179	21.6738	0.4846	22.1584	5.9052	0.4603	6.3655		32,204.5657	32,204.5657	1.2062		32,234.7218
Unmitigated	8.3086	70.3239	94.6903	0.3179	21.6738	0.4846	22.1584	5.9052	0.4603	6.3655		32,204.5657	32,204.5657	1.2062		32,234.7218

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	365.00	365.00	365.00	789,438	789,438
Unrefrigerated Warehouse-No Rail	2,118.55	2,118.55	2118.55	9,079,509	9,079,509
Total	2,483.55	2,483.55	2,483.55	9,868,947	9,868,947

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Regional Shopping Center	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Unrefrigerated Warehouse-No Rail	0.227299	0.037976	0.179086	0.122965	0.380000	0.005460	0.017497	0.023600	0.000000	0.000000	0.006117	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	0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4800e-003	3.3300e-003	182.8221
NaturalGas Unmitigated	0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4800e-003	3.3300e-003	182.8221

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					
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	60.8219	6.6000e-004	5.9600e-003	5.0100e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.1555	7.1555	1.4000e-004	1.3000e-004	7.1980
Unrefrigerated Warehouse-No Post	1483.99	0.0160	0.1455	0.1222	8.7000e-004		0.0111	0.0111		0.0111	0.0111		174.5865	174.5865	3.3500e-003	3.2000e-003	175.6240
Total		0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4900e-003	3.3300e-003	182.8221

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					
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	0.0608219	6.6000e-004	5.9600e-003	5.0100e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.1555	7.1555	1.4000e-004	1.3000e-004	7.1980

Unrefrigerated Warehouse-No	1.48399	0.0160	0.1455	0.1222	8.7000e-004		0.0111	0.0111		0.0111	0.0111		174.5865	174.5865	3.3500e-003	3.2000e-003	175.6240
Total		0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4900e-003	3.3300e-003	182.8221

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004			0.2657
Unmitigated	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004			0.2657

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	0.8026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	5.9440					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	0.0110	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004			0.2657

Total	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
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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	0.8026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9440					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0110	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
Total	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	12	8.00	260	89	0.20	CNG

UnMitigated/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
Equipment Type	lb/day										lb/day					
Forklifts	1.7281	15.5700	14.1632	0.0183		1.1600	1.1600		1.0672	1.0672		1,776.3700	1,776.3700	0.5745		1,790.7328
Total	1.7281	15.5700	14.1632	0.0183		1.1600	1.1600		1.0672	1.0672		1,776.3700	1,776.3700	0.5745		1,790.7328

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

Bridge Point Upland - San Bernardino-South Coast County, Winter

Bridge Point Upland
San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	266.82	1000sqft	6.13	266,825.00	0
Parking Lot	861.05	1000sqft	19.77	1,306,800.00	0
Regional Shopping Center	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2020
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 - 266.8 kSF buildings, 6.53 acres (284 KSF) landscaping, 1,306,800 KSF parking
- Construction Phase - anticipated construction schedule
- Off-road Equipment - anticipated construction equipment
- Off-road Equipment - anticipated construction equipment
- Off-road Equipment -
- Off-road Equipment - anticipated construction equipment

Off-road Equipment - anticipated construction equipment

Off-road Equipment -

Trips and VMT - Export site is less 1 mile from project site

Demolition -

Grading - Anticipated export

Architectural Coating - low VOC paint mitigation

Vehicle Trips - trip rates from Translutions trip generation report using High Cube Warehouse

Construction Off-road Equipment Mitigation - mitigation per Rule 403

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Operational Off-Road Equipment - anticipated operational equipment

Fleet Mix - Fleet mix from Translutions Traffic Study

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	45.00	35.00
tblConstructionPhase	NumDays	440.00	100.00
tblConstructionPhase	NumDays	35.00	66.00
tblConstructionPhase	NumDays	35.00	14.00
tblFleetMix	HHD	0.06	0.02
tblFleetMix	LDA	0.55	0.23
tblFleetMix	LHD1	0.02	0.38
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	UBUS	1.6570e-003	0.00

tblGrading	MaterialExported	0.00	431.00
tblLandUse	LandUseSquareFeet	266,820.00	266,825.00
tblLandUse	LandUseSquareFeet	861,050.00	1,306,800.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	12.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblVehicleTrips	ST_TR	49.97	36.50
tblVehicleTrips	ST_TR	1.68	7.94
tblVehicleTrips	SU_TR	25.24	36.50
tblVehicleTrips	SU_TR	1.68	7.94
tblVehicleTrips	WD_TR	42.70	36.50
tblVehicleTrips	WD_TR	1.68	7.94

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	52.1766	85.2004	56.1678	0.1818	18.2675	3.5287	20.4662	9.9840	3.2464	12.0069	0.0000	18,345.5478	18,345.5478	3.4351	0.0000	18,381.5937
Maximum	52.1766	85.2004	56.1678	0.1818	18.2675	3.5287	20.4662	9.9840	3.2464	12.0069	0.0000	18,345.5478	18,345.5478	3.4351	0.0000	18,381.5937

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	52.1766	85.2004	56.1678	0.1818	10.0380	3.5287	11.5631	4.2962	3.2464	6.3190	0.0000	18,345.5478	18,345.5478	3.4351	0.0000	18,381.5937
Maximum	52.1766	85.2004	56.1678	0.1818	10.0380	3.5287	11.5631	4.2962	3.2464	6.3190	0.0000	18,345.5478	18,345.5478	3.4351	0.0000	18,381.5937

	ROG	NOx	CO	SO2	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	45.05	0.00	43.50	56.97	0.00	47.37	0.00	0.00	0.00	0.00	0.00	0.00

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	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
Energy	0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4800e-003	3.3300e-003	182.8221
Mobile	7.7208	72.9813	85.9679	0.3020	21.6738	0.4854	22.1592	5.9052	0.4611	6.3663		30,615.8047	30,615.8047	1.1856		30,645.4436
Offroad	1.7281	15.5700	14.1632	0.0183		1.1600	1.1600		1.0672	1.0672		1,776.3700	1,776.3700	0.5745		1,790.7328

Total	16.2232	88.7039	100.3752	0.3212	21.6738	1.6573	23.3311	5.9052	1.5402	7.4454		32,574.1658	32,574.1658	1.7642	3.3300e-003	32,619.2642
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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	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
Energy	0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4800e-003	3.3300e-003	182.8221
Mobile	7.7208	72.9813	85.9679	0.3020	21.6738	0.4854	22.1592	5.9052	0.4611	6.3663		30,615.8047	30,615.8047	1.1856		30,645.4436
Offroad	1.7281	15.5700	14.1632	0.0183		1.1600	1.1600		1.0672	1.0672		1,776.3700	1,776.3700	0.5745		1,790.7328
Total	16.2232	88.7039	100.3752	0.3212	21.6738	1.6573	23.3311	5.9052	1.5402	7.4454		32,574.1658	32,574.1658	1.7642	3.3300e-003	32,619.2642

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2020	1/31/2020	5	0	
2	Site Preparation	Site Preparation	2/1/2020	2/4/2020	5	2	
3	Grading	Grading	2/5/2020	3/24/2020	5	35	
4	Building Construction	Building Construction	3/25/2020	8/11/2020	5	100	
5	Architectural Coating	Architectural Coating	6/1/2020	8/31/2020	5	66	
6	Paving	Paving	8/12/2020	8/31/2020	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 175

Acres of Paving: 19.77

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 415,238; Non-Residential Outdoor: 138,413; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	54.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	664.00	260.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	133.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

3.3 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

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	0.0983	0.0663	0.6653	1.8300e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		182.4750	182.4750	5.4500e-003		182.6112
Total	0.0983	0.0663	0.6653	1.8300e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		182.4750	182.4750	5.4500e-003		182.6112

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			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	7.7233	2.1974	9.9207	4.2454	2.0216	6.2670	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0983	0.0663	0.6653	1.8300e-003	0.1907	1.3200e-003	0.1920	0.0508	1.2100e-003	0.0520		182.4750	182.4750	5.4500e-003		182.6112
Total	0.0983	0.0663	0.6653	1.8300e-003	0.1907	1.3200e-003	0.1920	0.0508	1.2100e-003	0.0520		182.4750	182.4750	5.4500e-003		182.6112

3.4 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					11.3260	0.0000	11.3260	3.8830	0.0000	3.8830			0.0000			0.0000
Off-Road	7.4017	84.8525	55.2256	0.1093		3.5266	3.5266		3.2445	3.2445		10,582.8510	10,582.8510	3.4227		10,668.4187
Total	7.4017	84.8525	55.2256	0.1093	11.3260	3.5266	14.8526	3.8830	3.2445	7.1274		10,582.8510	10,582.8510	3.4227		10,668.4187

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	6.8800e-003	0.2742	0.0442	7.0000e-004	0.0135	6.1000e-004	0.0141	3.7100e-003	5.8000e-004	4.2900e-003		73.8378	73.8378	6.2900e-003		73.9952
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	0.1092	0.0737	0.7393	2.0400e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3500e-003	0.0606		202.7500	202.7500	6.0500e-003		202.9013
Total	0.1161	0.3479	0.7835	2.7400e-003	0.2371	2.0700e-003	0.2392	0.0630	1.9300e-003	0.0649		276.5878	276.5878	0.0123		276.8965

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					4.8419	0.0000	4.8419	1.6600	0.0000	1.6600			0.0000			0.0000

Off-Road	7.4017	84.8525	55.2256	0.1093		3.5266	3.5266		3.2445	3.2445	0.0000	10,582.8510	10,582.8510	3.4227		10,668.4187
Total	7.4017	84.8525	55.2256	0.1093	4.8419	3.5266	8.3685	1.6600	3.2445	4.9044	0.0000	10,582.8510	10,582.8510	3.4227		10,668.4187

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	6.8800e-003	0.2742	0.0442	7.0000e-004	0.0129	6.1000e-004	0.0135	3.5600e-003	5.8000e-004	4.1400e-003		73.8378	73.8378	6.2900e-003		73.9952
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	0.1092	0.0737	0.7393	2.0400e-003	0.2119	1.4600e-003	0.2134	0.0564	1.3500e-003	0.0578		202.7500	202.7500	6.0500e-003		202.9013
Total	0.1161	0.3479	0.7835	2.7400e-003	0.2248	2.0700e-003	0.2269	0.0600	1.9300e-003	0.0619		276.5878	276.5878	0.0123		276.8965

3.5 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

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	0.8324	27.2149	6.1975	0.0678	1.6653	0.1279	1.7931	0.4795	0.1223	0.6018		7,150.0028	7,150.0028	0.5342		7,163.3579
Worker	3.6259	2.4474	24.5430	0.0676	7.4220	0.0486	7.4706	1.9683	0.0448	2.0131		6,731.2986	6,731.2986	0.2010		6,736.3223
Total	4.4584	29.6623	30.7405	0.1354	9.0872	0.1765	9.2637	2.4478	0.1671	2.6149		13,881.3014	13,881.3014	0.7352		13,899.6801

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	2,553.0631	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	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

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	0.0000	0.0000
Vendor	0.8324	27.2149	6.1975	0.0678	1.5941	0.1279	1.7220	0.4620	0.1223	0.5843		7,150.0028	7,150.0028	0.5342		7,163.3579
Worker	3.6259	2.4474	24.5430	0.0676	7.0348	0.0486	7.0834	1.8733	0.0448	1.9181		6,731.2986	6,731.2986	0.2010		6,736.3223
Total	4.4584	29.6623	30.7405	0.1354	8.6289	0.1765	8.8054	2.3353	0.1671	2.5024		13,881.3014	13,881.3014	0.7352		13,899.6801

3.6 Architectural Coating - 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					
Archit. Coating	44.3878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4844	3.3677	3.6628	5.9400e-003		0.2219	0.2219		0.2219	0.2219		562.8961	562.8961	0.0436		563.9856
Total	44.8721	3.3677	3.6628	5.9400e-003		0.2219	0.2219		0.2219	0.2219		562.8961	562.8961	0.0436		563.9856

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	0.7263	0.4902	4.9160	0.0135	1.4866	9.7400e-003	1.4964	0.3943	8.9700e-003	0.4032		1,348.2872	1,348.2872	0.0403		1,349.2935
Total	0.7263	0.4902	4.9160	0.0135	1.4866	9.7400e-003	1.4964	0.3943	8.9700e-003	0.4032		1,348.2872	1,348.2872	0.0403		1,349.2935

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	44.3878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4844	3.3677	3.6628	5.9400e-003		0.2219	0.2219		0.2219	0.2219	0.0000	562.8961	562.8961	0.0436		563.9856
Total	44.8721	3.3677	3.6628	5.9400e-003		0.2219	0.2219		0.2219	0.2219	0.0000	562.8961	562.8961	0.0436		563.9856

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	0.7263	0.4902	4.9160	0.0135	1.4091	9.7400e-003	1.4188	0.3752	8.9700e-003	0.3842		1,348.2872	1,348.2872	0.0403		1,349.2935
Total	0.7263	0.4902	4.9160	0.0135	1.4091	9.7400e-003	1.4188	0.3752	8.9700e-003	0.3842		1,348.2872	1,348.2872	0.0403		1,349.2935

3.7 Paving - 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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	3.6998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.0564	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

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	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
Total	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Paving	3.6998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	5.0564	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

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	0.0819	0.0553	0.5544	1.5300e-003	0.1589	1.1000e-003	0.1600	0.0423	1.0100e-003	0.0433		152.0625	152.0625	4.5400e-003		152.1760
Total	0.0819	0.0553	0.5544	1.5300e-003	0.1589	1.1000e-003	0.1600	0.0423	1.0100e-003	0.0433		152.0625	152.0625	4.5400e-003		152.1760

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.7208	72.9813	85.9679	0.3020	21.6738	0.4854	22.1592	5.9052	0.4611	6.3663		30,615.8047	30,615.8047	1.1856		30,645.4436
Unmitigated	7.7208	72.9813	85.9679	0.3020	21.6738	0.4854	22.1592	5.9052	0.4611	6.3663		30,615.8047	30,615.8047	1.1856		30,645.4436

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	365.00	365.00	365.00	789,438	789,438
Unrefrigerated Warehouse-No Rail	2,118.55	2,118.55	2118.55	9,079,509	9,079,509
Total	2,483.55	2,483.55	2,483.55	9,868,947	9,868,947

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Regional Shopping Center	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Unrefrigerated Warehouse-No Rail	0.227299	0.037976	0.179086	0.122965	0.380000	0.005460	0.017497	0.023600	0.000000	0.000000	0.006117	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	0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4800e-003	3.3300e-003	182.8221
NaturalGas Unmitigated	0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4800e-003	3.3300e-003	182.8221

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					
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	60.8219	6.6000e-004	5.9600e-003	5.0100e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.1555	7.1555	1.4000e-004	1.3000e-004	7.1980
Unrefrigerated Warehouse-No Post	1483.99	0.0160	0.1455	0.1222	8.7000e-004		0.0111	0.0111		0.0111	0.0111		174.5865	174.5865	3.3500e-003	3.2000e-003	175.6240
Total		0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4900e-003	3.3300e-003	182.8221

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					
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	0.0608219	6.6000e-004	5.9600e-003	5.0100e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.1555	7.1555	1.4000e-004	1.3000e-004	7.1980

Unrefrigerated Warehouse-No	1.48399	0.0160	0.1455	0.1222	8.7000e-004		0.0111	0.0111		0.0111	0.0111		174.5865	174.5865	3.3500e-003	3.2000e-003	175.6240
Total		0.0167	0.1515	0.1272	9.1000e-004		0.0115	0.0115		0.0115	0.0115		181.7421	181.7421	3.4900e-003	3.3300e-003	182.8221

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
Unmitigated	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657

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	0.8026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9440					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0110	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657

Total	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
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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	0.8026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9440					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0110	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657
Total	6.7576	1.0800e-003	0.1169	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2490	0.2490	6.7000e-004		0.2657

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	12	8.00	260	89	0.20	CNG

UnMitigated/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
Equipment Type	lb/day										lb/day					
Forklifts	1.7281	15.5700	14.1632	0.0183		1.1600	1.1600		1.0672	1.0672		1,776.3700	1,776.3700	0.5745		1,790.7328
Total	1.7281	15.5700	14.1632	0.0183		1.1600	1.1600		1.0672	1.0672		1,776.3700	1,776.3700	0.5745		1,790.7328

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

Bridge Point Upland - San Bernardino-South Coast County, Annual

Bridge Point Upland
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	266.82	1000sqft	6.13	266,825.00	0
Parking Lot	861.05	1000sqft	19.77	1,306,800.00	0
Regional Shopping Center	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2020
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 - 266.8 kSF buildings, 6.53 acres (284 KSF) landscaping, 1,306,800 KSF parking
- Construction Phase - anticipated construction schedule
- Off-road Equipment - anticipated construction equipment
- Off-road Equipment - anticipated construction equipment
- Off-road Equipment -
- Off-road Equipment - anticipated construction equipment

Off-road Equipment - anticipated construction equipment

Off-road Equipment -

Trips and VMT - Export site is less 1 mile from project site

Demolition -

Grading - Anticipated export

Architectural Coating - low VOC paint mitigation

Vehicle Trips - trip rates from Translutions trip generation report using High Cube Warehouse

Construction Off-road Equipment Mitigation - mitigation per Rule 403

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Operational Off-Road Equipment - anticipated operational equipment

Fleet Mix - Fleet mix from Translutions Traffic Study

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	45.00	35.00
tblConstructionPhase	NumDays	440.00	100.00
tblConstructionPhase	NumDays	35.00	66.00
tblConstructionPhase	NumDays	35.00	14.00
tblFleetMix	HHD	0.06	0.02
tblFleetMix	LDA	0.55	0.23
tblFleetMix	LHD1	0.02	0.38
tblFleetMix	MH	1.0820e-003	0.00
tblFleetMix	OBUS	1.3370e-003	0.00
tblFleetMix	SBUS	8.1700e-004	0.00
tblFleetMix	UBUS	1.6570e-003	0.00

tblGrading	MaterialExported	0.00	431.00
tblLandUse	LandUseSquareFeet	266,820.00	266,825.00
tblLandUse	LandUseSquareFeet	861,050.00	1,306,800.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	12.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblVehicleTrips	ST_TR	49.97	36.50
tblVehicleTrips	ST_TR	1.68	7.94
tblVehicleTrips	SU_TR	25.24	36.50
tblVehicleTrips	SU_TR	1.68	7.94
tblVehicleTrips	WD_TR	42.70	36.50
tblVehicleTrips	WD_TR	1.68	7.94

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.9843	4.2367	3.8210	0.0111	0.7158	0.1415	0.8573	0.2124	0.1321	0.3446	0.0000	1,008.8594	1,008.8594	0.1233	0.0000	1,011.9423
Maximum	1.9843	4.2367	3.8210	0.0111	0.7158	0.1415	0.8573	0.2124	0.1321	0.3446	0.0000	1,008.8594	1,008.8594	0.1233	0.0000	1,011.9423

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	1.9843	4.2367	3.8210	0.0111	0.5668	0.1415	0.7083	0.1617	0.1321	0.2938	0.0000	1,008.8590	1,008.8590	0.1233	0.0000	1,011.9419
Maximum	1.9843	4.2367	3.8210	0.0111	0.5668	0.1415	0.7083	0.1617	0.1321	0.2938	0.0000	1,008.8590	1,008.8590	0.1233	0.0000	1,011.9419

	ROG	NOx	CO	SO2	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	20.82	0.00	17.38	23.90	0.00	14.74	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2020	4-30-2020	2.4222	2.4222
2	5-1-2020	7-31-2020	2.8999	2.8999
3	8-1-2020	9-30-2020	0.9028	0.9028
		Highest	2.8999	2.8999

2.2 Overall Operational

Unmitigated Operational

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

Area	1.2326	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0282	0.0282	8.0000e-005	0.0000	0.0301
Energy	3.0400e-003	0.0276	0.0232	1.7000e-004		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	416.7005	416.7005	0.0165	3.8500e-003	418.2625
Mobile	1.3769	13.5321	16.0509	0.0556	3.8731	0.0882	3.9613	1.0572	0.0837	1.1409	0.0000	5,109.0598	5,109.0598	0.1948	0.0000	5,113.9303
Offroad	0.2247	2.0241	1.8412	2.3800e-003		0.1508	0.1508		0.1387	0.1387	0.0000	209.4944	209.4944	0.0678	0.0000	211.1883
Waste						0.0000	0.0000		0.0000	0.0000	53.0436	0.0000	53.0436	3.1348	0.0000	131.4132
Water						0.0000	0.0000		0.0000	0.0000	19.8102	260.6681	280.4783	2.0455	0.0503	346.5954
Total	2.8373	15.5840	17.9300	0.0581	3.8731	0.2411	4.1142	1.0572	0.2246	1.2818	72.8538	5,995.9511	6,068.8049	5.4594	0.0541	6,221.4198

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2326	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0282	0.0282	8.0000e-005	0.0000	0.0301
Energy	3.0400e-003	0.0276	0.0232	1.7000e-004		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	416.7005	416.7005	0.0165	3.8500e-003	418.2625
Mobile	1.3769	13.5321	16.0509	0.0556	3.8731	0.0882	3.9613	1.0572	0.0837	1.1409	0.0000	5,109.0598	5,109.0598	0.1948	0.0000	5,113.9303
Offroad	0.2247	2.0241	1.8412	2.3800e-003		0.1508	0.1508		0.1387	0.1387	0.0000	209.4944	209.4944	0.0678	0.0000	211.1883
Waste						0.0000	0.0000		0.0000	0.0000	26.5218	0.0000	26.5218	1.5674	0.0000	65.7066
Water						0.0000	0.0000		0.0000	0.0000	15.8482	208.7579	224.6060	1.6364	0.0402	277.5005
Total	2.8373	15.5840	17.9300	0.0581	3.8731	0.2411	4.1142	1.0572	0.2246	1.2818	42.3700	5,944.0409	5,986.4108	3.4830	0.0441	6,086.6183

	ROG	NOx	CO	SO2	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	41.84	0.87	1.36	36.20	18.57	2.17

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2020	1/31/2020	5	0	
2	Site Preparation	Site Preparation	2/1/2020	2/4/2020	5	2	
3	Grading	Grading	2/5/2020	3/24/2020	5	35	
4	Building Construction	Building Construction	3/25/2020	8/11/2020	5	100	
5	Architectural Coating	Architectural Coating	6/1/2020	8/31/2020	5	66	
6	Paving	Paving	8/12/2020	8/31/2020	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 175

Acres of Paving: 19.77

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 415,238; Non-Residential Outdoor: 138,413; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	4	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	54.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	664.00	260.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	133.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

Off-Road	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0181	0.0000	0.0181	9.9300e-003	0.0000	9.9300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0800e-003	0.0424	0.0215	4.0000e-005		2.2000e-003	2.2000e-003		2.0200e-003	2.0200e-003	0.0000	3.3431	3.3431	1.0800e-003	0.0000	3.3701
Total	4.0800e-003	0.0424	0.0215	4.0000e-005	0.0181	2.2000e-003	0.0203	9.9300e-003	2.0200e-003	0.0120	0.0000	3.3431	3.3431	1.0800e-003	0.0000	3.3701

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	7.0000e-005	7.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1692	0.1692	1.0000e-005	0.0000	0.1693
Total	9.0000e-005	7.0000e-005	7.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1692	0.1692	1.0000e-005	0.0000	0.1693

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.7200e-003	0.0000	7.7200e-003	4.2500e-003	0.0000	4.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0800e-003	0.0424	0.0215	4.0000e-005		2.2000e-003	2.2000e-003		2.0200e-003	2.0200e-003	0.0000	3.3431	3.3431	1.0800e-003	0.0000	3.3701
Total	4.0800e-003	0.0424	0.0215	4.0000e-005	7.7200e-003	2.2000e-003	9.9200e-003	4.2500e-003	2.0200e-003	6.2700e-003	0.0000	3.3431	3.3431	1.0800e-003	0.0000	3.3701

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	7.0000e-005	7.0000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1692	0.1692	1.0000e-005	0.0000	0.1693
Total	9.0000e-005	7.0000e-005	7.0000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1692	0.1692	1.0000e-005	0.0000	0.1693

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1982	0.0000	0.1982	0.0680	0.0000	0.0680	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1295	1.4849	0.9665	1.9100e-003		0.0617	0.0617		0.0568	0.0568	0.0000	168.0105	168.0105	0.0543	0.0000	169.3690
Total	0.1295	1.4849	0.9665	1.9100e-003	0.1982	0.0617	0.2599	0.0680	0.0568	0.1247	0.0000	168.0105	168.0105	0.0543	0.0000	169.3690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	4.9000e-003	7.0000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	1.2031	1.2031	9.0000e-005	0.0000	1.2054
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7300e-003	1.3600e-003	0.0136	4.0000e-005	3.8400e-003	3.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	3.2894	3.2894	1.0000e-004	0.0000	3.2918
Total	1.8500e-003	6.2600e-003	0.0143	5.0000e-005	4.0700e-003	4.0000e-005	4.1000e-003	1.0800e-003	3.0000e-005	1.1100e-003	0.0000	4.4925	4.4925	1.9000e-004	0.0000	4.4973

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0847	0.0000	0.0847	0.0291	0.0000	0.0291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1295	1.4849	0.9665	1.9100e-003		0.0617	0.0617		0.0568	0.0568	0.0000	168.0103	168.0103	0.0543	0.0000	169.3688
Total	0.1295	1.4849	0.9665	1.9100e-003	0.0847	0.0617	0.1465	0.0291	0.0568	0.0858	0.0000	168.0103	168.0103	0.0543	0.0000	169.3688

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	4.9000e-003	7.0000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	1.2031	1.2031	9.0000e-005	0.0000	1.2054
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7300e-003	1.3600e-003	0.0136	4.0000e-005	3.6400e-003	3.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	3.2894	3.2894	1.0000e-004	0.0000	3.2918
Total	1.8500e-003	6.2600e-003	0.0143	5.0000e-005	3.8600e-003	4.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0600e-003	0.0000	4.4925	4.4925	1.9000e-004	0.0000	4.4973

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	0.9593	0.8424	1.3500e-003		0.0559	0.0559		0.0525	0.0525	0.0000	115.8050	115.8050	0.0283	0.0000	116.5113
Total	0.1060	0.9593	0.8424	1.3500e-003		0.0559	0.0559		0.0525	0.0525	0.0000	115.8050	115.8050	0.0283	0.0000	116.5113

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0403	1.3878	0.2902	3.4700e-003	0.0820	6.3500e-003	0.0883	0.0237	6.0700e-003	0.0297	0.0000	331.9122	331.9122	0.0230	0.0000	332.4864
Worker	0.1640	0.1289	1.2877	3.4500e-003	0.3640	2.4300e-003	0.3665	0.0967	2.2400e-003	0.0989	0.0000	312.0203	312.0203	9.3700e-003	0.0000	312.2545
Total	0.2043	1.5167	1.5779	6.9200e-003	0.4460	8.7800e-003	0.4548	0.1203	8.3100e-003	0.1287	0.0000	643.9325	643.9325	0.0323	0.0000	644.7409

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	0.9593	0.8424	1.3500e-003		0.0559	0.0559		0.0525	0.0525	0.0000	115.8049	115.8049	0.0283	0.0000	116.5112

Total	0.1060	0.9593	0.8424	1.3500e-003		0.0559	0.0559		0.0525	0.0525	0.0000	115.8049	115.8049	0.0283	0.0000	116.5112
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0403	1.3878	0.2902	3.4700e-003	0.0785	6.3500e-003	0.0848	0.0228	6.0700e-003	0.0289	0.0000	331.9122	331.9122	0.0230	0.0000	332.4864
Worker	0.1640	0.1289	1.2877	3.4500e-003	0.3451	2.4300e-003	0.3475	0.0920	2.2400e-003	0.0943	0.0000	312.0203	312.0203	9.3700e-003	0.0000	312.2545
Total	0.2043	1.5167	1.5779	6.9200e-003	0.4236	8.7800e-003	0.4324	0.1148	8.3100e-003	0.1231	0.0000	643.9325	643.9325	0.0323	0.0000	644.7409

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.4648					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0160	0.1111	0.1209	2.0000e-004		7.3200e-003	7.3200e-003		7.3200e-003	7.3200e-003	0.0000	16.8515	16.8515	1.3000e-003	0.0000	16.8841
Total	1.4808	0.1111	0.1209	2.0000e-004		7.3200e-003	7.3200e-003		7.3200e-003	7.3200e-003	0.0000	16.8515	16.8515	1.3000e-003	0.0000	16.8841

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0217	0.0170	0.1702	4.6000e-004	0.0481	3.2000e-004	0.0485	0.0128	3.0000e-004	0.0131	0.0000	41.2487	41.2487	1.2400e-003	0.0000	41.2797
Total	0.0217	0.0170	0.1702	4.6000e-004	0.0481	3.2000e-004	0.0485	0.0128	3.0000e-004	0.0131	0.0000	41.2487	41.2487	1.2400e-003	0.0000	41.2797

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.4648					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0160	0.1111	0.1209	2.0000e-004		7.3200e-003	7.3200e-003		7.3200e-003	7.3200e-003	0.0000	16.8515	16.8515	1.3000e-003	0.0000	16.8841
Total	1.4808	0.1111	0.1209	2.0000e-004		7.3200e-003	7.3200e-003		7.3200e-003	7.3200e-003	0.0000	16.8515	16.8515	1.3000e-003	0.0000	16.8841

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0217	0.0170	0.1702	4.6000e-004	0.0456	3.2000e-004	0.0459	0.0122	3.0000e-004	0.0125	0.0000	41.2487	41.2487	1.2400e-003	0.0000	41.2797
Total	0.0217	0.0170	0.1702	4.6000e-004	0.0456	3.2000e-004	0.0459	0.0122	3.0000e-004	0.0125	0.0000	41.2487	41.2487	1.2400e-003	0.0000	41.2797

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5000e-003	0.0985	0.1026	1.6000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	14.0198	14.0198	4.5300e-003	0.0000	14.1331
Paving	0.0259					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0354	0.0985	0.1026	1.6000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	14.0198	14.0198	4.5300e-003	0.0000	14.1331

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	4.1000e-004	4.0700e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876
Total	5.2000e-004	4.1000e-004	4.0700e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5000e-003	0.0985	0.1026	1.6000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	14.0197	14.0197	4.5300e-003	0.0000	14.1331
Paving	0.0259					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0354	0.0985	0.1026	1.6000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	14.0197	14.0197	4.5300e-003	0.0000	14.1331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	4.1000e-004	4.0700e-003	1.0000e-005	1.0900e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876
Total	5.2000e-004	4.1000e-004	4.0700e-003	1.0000e-005	1.0900e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9868	0.9868	3.0000e-005	0.0000	0.9876

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3769	13.5321	16.0509	0.0556	3.8731	0.0882	3.9613	1.0572	0.0837	1.1409	0.0000	5,109.0598	5,109.0598	0.1948	0.0000	5,113.9303
Unmitigated	1.3769	13.5321	16.0509	0.0556	3.8731	0.0882	3.9613	1.0572	0.0837	1.1409	0.0000	5,109.0598	5,109.0598	0.1948	0.0000	5,113.9303

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	365.00	365.00	365.00	789,438	789,438
Unrefrigerated Warehouse-No Rail	2,118.55	2,118.55	2,118.55	9,079,509	9,079,509
Total	2,483.55	2,483.55	2,483.55	9,868,947	9,868,947

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Regional Shopping Center	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082
Unrefrigerated Warehouse-No Rail	0.227299	0.037976	0.179086	0.122965	0.380000	0.005460	0.017497	0.023600	0.000000	0.000000	0.006117	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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	386.6111	386.6111	0.0160	3.3000e-003	387.9942
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	386.6111	386.6111	0.0160	3.3000e-003	387.9942
NaturalGas Mitigated	3.0400e-003	0.0276	0.0232	1.7000e-004		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	30.0894	30.0894	5.8000e-004	5.5000e-004	30.2682
NaturalGas Unmitigated	3.0400e-003	0.0276	0.0232	1.7000e-004		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	30.0894	30.0894	5.8000e-004	5.5000e-004	30.2682

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	22200	1.2000e-004	1.0900e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1847	1.1847	2.0000e-005	2.0000e-005	1.1917
Unrefrigerated Warehouse-No Pallet	541655	2.9200e-003	0.0266	0.0223	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	28.9048	28.9048	5.5000e-004	5.3000e-004	29.0765
Total		3.0400e-003	0.0276	0.0232	1.7000e-004		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	30.0894	30.0894	5.7000e-004	5.5000e-004	30.2683

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	22200	1.2000e-004	1.0900e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1847	1.1847	2.0000e-005	2.0000e-005	1.1917
Unrefrigerated Warehouse-No Post	541655	2.9200e-003	0.0266	0.0223	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	28.9048	28.9048	5.5000e-004	5.3000e-004	29.0765
Total		3.0400e-003	0.0276	0.0232	1.7000e-004		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	30.0894	30.0894	5.7000e-004	5.5000e-004	30.2683

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	457380	145.7311	6.0200e-003	1.2400e-003	146.2524
Regional Shopping Center	126300	40.2419	1.6600e-003	3.4000e-004	40.3859
Unrefrigerated Warehouse-No Post	629707	200.6381	8.2800e-003	1.7100e-003	201.3559
Total		386.6111	0.0160	3.2900e-003	387.9942

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	457380	145.7311	6.0200e-003	1.2400e-003	146.2524
Regional Shopping Center	126300	40.2419	1.6600e-003	3.4000e-004	40.3859
Unrefrigerated Warehouse-No	629707	200.6381	8.2800e-003	1.7100e-003	201.3559
Total		386.6111	0.0160	3.2900e-003	387.9942

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2326	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0282	0.0282	8.0000e-005	0.0000	0.0301
Unmitigated	1.2326	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0282	0.0282	8.0000e-005	0.0000	0.0301

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
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SubCategory	tons/yr								MT/yr							
Architectural Coating	0.1465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	1.0848					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	1.3700e-003	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0282	0.0282	8.0000e-005	0.0000	0.0301
Total	1.2326	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0282	0.0282	8.0000e-005	0.0000	0.0301

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr								MT/yr								
Architectural Coating	0.1465						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	1.0848						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	1.3700e-003	1.3000e-004	0.0146	0.0000			5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0282	0.0282	8.0000e-005	0.0000	0.0301
Total	1.2326	1.3000e-004	0.0146	0.0000			5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0282	0.0282	8.0000e-005	0.0000	0.0301

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	224.6060	1.6364	0.0402	277.5005
Unmitigated	280.4783	2.0455	0.0503	346.5954

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.740725 / 0.453993	4.9152	0.0243	6.1000e-004	5.7052
Unrefrigerated Warehouse-No	61.7021 / 0	275.5631	2.0211	0.0497	340.8902
Total		280.4783	2.0455	0.0503	346.5954

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
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Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.59258 / 0.426299	4.1555	0.0195	4.9000e-004	4.7883
Unrefrigerated Warehouse-No	49.3617 / 0	220.4505	1.6169	0.0397	272.7122
Total		224.6060	1.6364	0.0402	277.5005

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	26.5218	1.5674	0.0000	65.7066
Unmitigated	53.0436	3.1348	0.0000	131.4132

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			

Forklifts	0.2247	2.0241	1.8412	2.3800e-003		0.1508	0.1508		0.1387	0.1387	0.0000	209.4944	209.4944	0.0678	0.0000	211.1883
Total	0.2247	2.0241	1.8412	2.3800e-003		0.1508	0.1508		0.1387	0.1387	0.0000	209.4944	209.4944	0.0678	0.0000	211.1883

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
