

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Annual

**517 East Broadway (5-story/Med/General Office/Retail)**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.31	1000sqft	0.33	14,314.00	0
Medical Office Building	7.70	1000sqft	0.18	7,698.00	0
Strip Mall	3.55	1000sqft	0.08	3,552.00	0
Enclosed Parking with Elevator	36.57	1000sqft	0.84	36,574.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2021

**Utility Company**

<b>CO2 Intensity (lb/MW hr)</b>	0	<b>CH4 Intensity (lb/MW hr)</b>	0	<b>N2O Intensity (lb/MW hr)</b>	0
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**1.3 User Entered Comments & Non-Default Data**

## 517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Annual

Project Characteristics - Demolish 1-story, 3,976 medical office building and at-grade parking lot. Construct a new 5-story commercial building that will include 14,314 SF of general office, 7,698 SF of medical office, 3,552 SF of retail, and 36,574 SF of enclosed parking (w/ elevator) within a 4-level subterranean garage.

Land Use - The project site is 12,086 SF (11,831 SF after a 256 SF sidewalk dedication). The project's use composition will include 14,314 SF of general office, 7,698 SF of medical office, 3,552 SF of retail, and 36,574 SF of enclosed parking (w/ elevator) within a 4-level subterranean garage.

Grading - Grading will include 13,239 CY of grading (all export)

Demolition - Demolition will include a 1-story 3,976 SF commercial building

Energy Use -

Construction Phase - A total of 13,239 CY of grading (all export) will occur over an 8 day period.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	4.00	8.00
tblConstructionPhase	PhaseEndDate	8/4/2020	8/10/2020
tblGrading	AcresOfGrading	3.00	1.50
tblGrading	MaterialExported	0.00	13,239.00
tblLandUse	LandUseSquareFeet	14,310.00	14,314.00
tblLandUse	LandUseSquareFeet	7,700.00	7,698.00
tblLandUse	LandUseSquareFeet	3,550.00	3,552.00
tblLandUse	LandUseSquareFeet	36,570.00	36,574.00

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-30-2020	9-29-2020	0.9443	0.9443
2	9-30-2020	12-29-2020	0.5892	0.5892
3	12-30-2020	3-29-2021	0.5360	0.5360
4	3-30-2021	6-29-2021	0.4308	0.4308
		Highest	0.9443	0.9443

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	0.1072	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5400e-003	1.5400e-003	0.0000	0.0000	1.6400e-003
Energy	1.2700e-003	0.0115	9.6800e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5389	12.5389	2.4000e-004	2.3000e-004	12.6134
Mobile	0.1398	0.6927	1.7420	5.7900e-003	0.4577	5.0000e-003	0.4627	0.1227	4.6700e-003	0.1274	0.0000	534.4792	534.4792	0.0295	0.0000	535.2166
Waste						0.0000	0.0000		0.0000	0.0000	20.3397	0.0000	20.3397	1.2020	0.0000	50.3907
Water						0.0000	0.0000		0.0000	0.0000	1.1969	0.0000	1.1969	0.1229	2.9000e-003	5.1350
<b>Total</b>	<b>0.2483</b>	<b>0.7042</b>	<b>1.7524</b>	<b>5.8600e-003</b>	<b>0.4577</b>	<b>5.8800e-003</b>	<b>0.4635</b>	<b>0.1227</b>	<b>5.5500e-003</b>	<b>0.1282</b>	<b>21.5365</b>	<b>547.0197</b>	<b>568.5562</b>	<b>1.3547</b>	<b>3.1300e-003</b>	<b>603.3574</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1072	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5400e-003	1.5400e-003	0.0000	0.0000	1.6400e-003
Energy	1.2700e-003	0.0115	9.6800e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5389	12.5389	2.4000e-004	2.3000e-004	12.6134
Mobile	0.1398	0.6927	1.7420	5.7900e-003	0.4577	5.0000e-003	0.4627	0.1227	4.6700e-003	0.1274	0.0000	534.4792	534.4792	0.0295	0.0000	535.2166
Waste						0.0000	0.0000		0.0000	0.0000	20.3397	0.0000	20.3397	1.2020	0.0000	50.3907
Water						0.0000	0.0000		0.0000	0.0000	1.1969	0.0000	1.1969	0.1229	2.9000e-003	5.1350
<b>Total</b>	<b>0.2483</b>	<b>0.7042</b>	<b>1.7524</b>	<b>5.8600e-003</b>	<b>0.4577</b>	<b>5.8800e-003</b>	<b>0.4635</b>	<b>0.1227</b>	<b>5.5500e-003</b>	<b>0.1282</b>	<b>21.5365</b>	<b>547.0197</b>	<b>568.5562</b>	<b>1.3547</b>	<b>3.1300e-003</b>	<b>603.3574</b>

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

**3.0 Construction Detail**

**Construction Phase**

## 517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/30/2020	7/27/2020	5	20	
2	Site Preparation	Site Preparation	7/28/2020	7/29/2020	5	2	
3	Grading	Grading	7/30/2020	8/10/2020	5	8	
4	Building Construction	Building Construction	8/5/2020	5/11/2021	5	200	
5	Paving	Paving	5/12/2021	5/25/2021	5	10	
6	Architectural Coating	Architectural Coating	5/26/2021	6/8/2021	5	10	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0.84**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 38,346; Non-Residential Outdoor: 12,782; Striped Parking Area: 2,194 (Architectural Coating – sqft)**

**OffRoad Equipment**

## 517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Welders	3	8.00	46	0.45

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	18.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	1,655.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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	tons/yr										MT/yr					
Fugitive Dust					1.9600e-003	0.0000	1.9600e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0213	0.2095	0.1466	2.4000e-004		0.0115	0.0115		0.0108	0.0108	0.0000	21.0677	21.0677	5.4200e-003	0.0000	21.2031
<b>Total</b>	<b>0.0213</b>	<b>0.2095</b>	<b>0.1466</b>	<b>2.4000e-004</b>	<b>1.9600e-003</b>	<b>0.0115</b>	<b>0.0135</b>	<b>3.0000e-004</b>	<b>0.0108</b>	<b>0.0111</b>	<b>0.0000</b>	<b>21.0677</b>	<b>21.0677</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>21.2031</b>



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**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.6700e-003	5.9000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.6937	0.6937	5.0000e-005	0.0000	0.6949
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.8000e-004	5.3500e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3278	1.3278	4.0000e-005	0.0000	1.3288
<b>Total</b>	<b>6.8000e-004</b>	<b>3.1500e-003</b>	<b>5.9400e-003</b>	<b>2.0000e-005</b>	<b>1.5700e-003</b>	<b>2.0000e-005</b>	<b>1.6000e-003</b>	<b>4.2000e-004</b>	<b>2.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>2.0215</b>	<b>2.0215</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.0237</b>

**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					1.9600e-003	0.0000	1.9600e-003	3.0000e-004	0.0000	3.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0213	0.2095	0.1466	2.4000e-004		0.0115	0.0115		0.0108	0.0108	0.0000	21.0676	21.0676	5.4200e-003	0.0000	21.2030
<b>Total</b>	<b>0.0213</b>	<b>0.2095</b>	<b>0.1466</b>	<b>2.4000e-004</b>	<b>1.9600e-003</b>	<b>0.0115</b>	<b>0.0135</b>	<b>3.0000e-004</b>	<b>0.0108</b>	<b>0.0111</b>	<b>0.0000</b>	<b>21.0676</b>	<b>21.0676</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>21.2030</b>

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**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.6700e-003	5.9000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.6937	0.6937	5.0000e-005	0.0000	0.6949
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.8000e-004	5.3500e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3278	1.3278	4.0000e-005	0.0000	1.3288
<b>Total</b>	<b>6.8000e-004</b>	<b>3.1500e-003</b>	<b>5.9400e-003</b>	<b>2.0000e-005</b>	<b>1.5700e-003</b>	<b>2.0000e-005</b>	<b>1.6000e-003</b>	<b>4.2000e-004</b>	<b>2.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>2.0215</b>	<b>2.0215</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>2.0237</b>

**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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0184	7.7100e-003	2.0000e-005		8.2000e-004	8.2000e-004		7.6000e-004	7.6000e-004	0.0000	1.5127	1.5127	4.9000e-004	0.0000	1.5249
<b>Total</b>	<b>1.6300e-003</b>	<b>0.0184</b>	<b>7.7100e-003</b>	<b>2.0000e-005</b>	<b>5.8000e-003</b>	<b>8.2000e-004</b>	<b>6.6200e-003</b>	<b>2.9500e-003</b>	<b>7.6000e-004</b>	<b>3.7100e-003</b>	<b>0.0000</b>	<b>1.5127</b>	<b>1.5127</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.5249</b>

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**3.3 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.0000e-005	3.0000e-005	3.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0817	0.0817	0.0000	0.0000	0.0818
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0818</b>

**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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0184	7.7100e-003	2.0000e-005		8.2000e-004	8.2000e-004		7.6000e-004	7.6000e-004	0.0000	1.5127	1.5127	4.9000e-004	0.0000	1.5249
<b>Total</b>	<b>1.6300e-003</b>	<b>0.0184</b>	<b>7.7100e-003</b>	<b>2.0000e-005</b>	<b>5.8000e-003</b>	<b>8.2000e-004</b>	<b>6.6200e-003</b>	<b>2.9500e-003</b>	<b>7.6000e-004</b>	<b>3.7100e-003</b>	<b>0.0000</b>	<b>1.5127</b>	<b>1.5127</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.5249</b>

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**3.3 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.0000e-005	3.0000e-005	3.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0817	0.0817	0.0000	0.0000	0.0818
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0818</b>

**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					0.0196	0.0000	0.0196	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-003	0.0603	0.0258	6.0000e-005		2.7400e-003	2.7400e-003		2.5200e-003	2.5200e-003	0.0000	4.9558	4.9558	1.6000e-003	0.0000	4.9959
<b>Total</b>	<b>5.4000e-003</b>	<b>0.0603</b>	<b>0.0258</b>	<b>6.0000e-005</b>	<b>0.0196</b>	<b>2.7400e-003</b>	<b>0.0224</b>	<b>0.0101</b>	<b>2.5200e-003</b>	<b>0.0127</b>	<b>0.0000</b>	<b>4.9558</b>	<b>4.9558</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>4.9959</b>

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**3.4 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.3000e-003	0.2457	0.0542	6.5000e-004	0.0142	7.6000e-004	0.0150	3.9100e-003	7.3000e-004	4.6400e-003	0.0000	63.7822	63.7822	4.4400e-003	0.0000	63.8933
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	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3268	0.3268	1.0000e-005	0.0000	0.3271
<b>Total</b>	<b>7.4500e-003</b>	<b>0.2459</b>	<b>0.0555</b>	<b>6.5000e-004</b>	<b>0.0146</b>	<b>7.6000e-004</b>	<b>0.0153</b>	<b>4.0000e-003</b>	<b>7.3000e-004</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>64.1091</b>	<b>64.1091</b>	<b>4.4500e-003</b>	<b>0.0000</b>	<b>64.2204</b>

**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					0.0196	0.0000	0.0196	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-003	0.0603	0.0258	6.0000e-005		2.7400e-003	2.7400e-003		2.5200e-003	2.5200e-003	0.0000	4.9558	4.9558	1.6000e-003	0.0000	4.9959
<b>Total</b>	<b>5.4000e-003</b>	<b>0.0603</b>	<b>0.0258</b>	<b>6.0000e-005</b>	<b>0.0196</b>	<b>2.7400e-003</b>	<b>0.0224</b>	<b>0.0101</b>	<b>2.5200e-003</b>	<b>0.0127</b>	<b>0.0000</b>	<b>4.9558</b>	<b>4.9558</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>4.9959</b>

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**3.4 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.3000e-003	0.2457	0.0542	6.5000e-004	0.0142	7.6000e-004	0.0150	3.9100e-003	7.3000e-004	4.6400e-003	0.0000	63.7822	63.7822	4.4400e-003	0.0000	63.8933
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	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3268	0.3268	1.0000e-005	0.0000	0.3271
<b>Total</b>	<b>7.4500e-003</b>	<b>0.2459</b>	<b>0.0555</b>	<b>6.5000e-004</b>	<b>0.0146</b>	<b>7.6000e-004</b>	<b>0.0153</b>	<b>4.0000e-003</b>	<b>7.3000e-004</b>	<b>4.7400e-003</b>	<b>0.0000</b>	<b>64.1091</b>	<b>64.1091</b>	<b>4.4500e-003</b>	<b>0.0000</b>	<b>64.2204</b>

**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	0.1086	0.7912	0.7056	1.1800e-003		0.0426	0.0426		0.0411	0.0411	0.0000	97.1250	97.1250	0.0180	0.0000	97.5758
<b>Total</b>	<b>0.1086</b>	<b>0.7912</b>	<b>0.7056</b>	<b>1.1800e-003</b>		<b>0.0426</b>	<b>0.0426</b>		<b>0.0411</b>	<b>0.0411</b>	<b>0.0000</b>	<b>97.1250</b>	<b>97.1250</b>	<b>0.0180</b>	<b>0.0000</b>	<b>97.5758</b>

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**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.9400e-003	0.0580	0.0157	1.4000e-004	3.3700e-003	2.7000e-004	3.6400e-003	9.7000e-004	2.6000e-004	1.2300e-003	0.0000	13.2908	13.2908	8.4000e-004	0.0000	13.3119
Worker	5.9300e-003	4.7800e-003	0.0529	1.5000e-004	0.0141	1.2000e-004	0.0142	3.7400e-003	1.1000e-004	3.8500e-003	0.0000	13.1141	13.1141	4.1000e-004	0.0000	13.1245
<b>Total</b>	<b>7.8700e-003</b>	<b>0.0628</b>	<b>0.0685</b>	<b>2.9000e-004</b>	<b>0.0174</b>	<b>3.9000e-004</b>	<b>0.0178</b>	<b>4.7100e-003</b>	<b>3.7000e-004</b>	<b>5.0800e-003</b>	<b>0.0000</b>	<b>26.4049</b>	<b>26.4049</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>26.4364</b>

**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	0.1086	0.7912	0.7056	1.1800e-003		0.0426	0.0426		0.0411	0.0411	0.0000	97.1249	97.1249	0.0180	0.0000	97.5757
<b>Total</b>	<b>0.1086</b>	<b>0.7912</b>	<b>0.7056</b>	<b>1.1800e-003</b>		<b>0.0426</b>	<b>0.0426</b>		<b>0.0411</b>	<b>0.0411</b>	<b>0.0000</b>	<b>97.1249</b>	<b>97.1249</b>	<b>0.0180</b>	<b>0.0000</b>	<b>97.5757</b>

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**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.9400e-003	0.0580	0.0157	1.4000e-004	3.3700e-003	2.7000e-004	3.6400e-003	9.7000e-004	2.6000e-004	1.2300e-003	0.0000	13.2908	13.2908	8.4000e-004	0.0000	13.3119
Worker	5.9300e-003	4.7800e-003	0.0529	1.5000e-004	0.0141	1.2000e-004	0.0142	3.7400e-003	1.1000e-004	3.8500e-003	0.0000	13.1141	13.1141	4.1000e-004	0.0000	13.1245
<b>Total</b>	<b>7.8700e-003</b>	<b>0.0628</b>	<b>0.0685</b>	<b>2.9000e-004</b>	<b>0.0174</b>	<b>3.9000e-004</b>	<b>0.0178</b>	<b>4.7100e-003</b>	<b>3.7000e-004</b>	<b>5.0800e-003</b>	<b>0.0000</b>	<b>26.4049</b>	<b>26.4049</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>26.4364</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0843	0.6341	0.5998	1.0300e-003		0.0318	0.0318		0.0307	0.0307	0.0000	84.4197	84.4197	0.0151	0.0000	84.7964
<b>Total</b>	<b>0.0843</b>	<b>0.6341</b>	<b>0.5998</b>	<b>1.0300e-003</b>		<b>0.0318</b>	<b>0.0318</b>		<b>0.0307</b>	<b>0.0307</b>	<b>0.0000</b>	<b>84.4197</b>	<b>84.4197</b>	<b>0.0151</b>	<b>0.0000</b>	<b>84.7964</b>



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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.4400e-003	0.0459	0.0124	1.2000e-004	2.9300e-003	9.0000e-005	3.0200e-003	8.5000e-004	9.0000e-005	9.3000e-004	0.0000	11.4621	11.4621	7.0000e-004	0.0000	11.4797
Worker	4.8000e-003	3.7400e-003	0.0422	1.2000e-004	0.0122	1.0000e-004	0.0123	3.2500e-003	9.0000e-005	3.3400e-003	0.0000	11.0363	11.0363	3.2000e-004	0.0000	11.0444
<b>Total</b>	<b>6.2400e-003</b>	<b>0.0496</b>	<b>0.0546</b>	<b>2.4000e-004</b>	<b>0.0152</b>	<b>1.9000e-004</b>	<b>0.0154</b>	<b>4.1000e-003</b>	<b>1.8000e-004</b>	<b>4.2700e-003</b>	<b>0.0000</b>	<b>22.4984</b>	<b>22.4984</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>22.5241</b>

**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	0.0843	0.6341	0.5998	1.0300e-003		0.0318	0.0318		0.0307	0.0307	0.0000	84.4196	84.4196	0.0151	0.0000	84.7963
<b>Total</b>	<b>0.0843</b>	<b>0.6341</b>	<b>0.5998</b>	<b>1.0300e-003</b>		<b>0.0318</b>	<b>0.0318</b>		<b>0.0307</b>	<b>0.0307</b>	<b>0.0000</b>	<b>84.4196</b>	<b>84.4196</b>	<b>0.0151</b>	<b>0.0000</b>	<b>84.7963</b>

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**3.5 Building Construction - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.4400e-003	0.0459	0.0124	1.2000e-004	2.9300e-003	9.0000e-005	3.0200e-003	8.5000e-004	9.0000e-005	9.3000e-004	0.0000	11.4621	11.4621	7.0000e-004	0.0000	11.4797
Worker	4.8000e-003	3.7400e-003	0.0422	1.2000e-004	0.0122	1.0000e-004	0.0123	3.2500e-003	9.0000e-005	3.3400e-003	0.0000	11.0363	11.0363	3.2000e-004	0.0000	11.0444
<b>Total</b>	<b>6.2400e-003</b>	<b>0.0496</b>	<b>0.0546</b>	<b>2.4000e-004</b>	<b>0.0152</b>	<b>1.9000e-004</b>	<b>0.0154</b>	<b>4.1000e-003</b>	<b>1.8000e-004</b>	<b>4.2700e-003</b>	<b>0.0000</b>	<b>22.4984</b>	<b>22.4984</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>22.5241</b>

**3.6 Paving - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.8700e-003</b>	<b>0.0387</b>	<b>0.0443</b>	<b>7.0000e-005</b>		<b>2.0800e-003</b>	<b>2.0800e-003</b>		<b>1.9100e-003</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>5.8825</b>	<b>5.8825</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>5.9291</b>

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**3.6 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	2.4600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6428	0.6428	2.0000e-005	0.0000	0.6433
<b>Total</b>	<b>2.8000e-004</b>	<b>2.2000e-004</b>	<b>2.4600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6428</b>	<b>0.6428</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6433</b>

**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	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.8700e-003</b>	<b>0.0387</b>	<b>0.0443</b>	<b>7.0000e-005</b>		<b>2.0800e-003</b>	<b>2.0800e-003</b>		<b>1.9100e-003</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>5.8825</b>	<b>5.8825</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>5.9291</b>

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**3.6 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	2.4600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6428	0.6428	2.0000e-005	0.0000	0.6433
<b>Total</b>	<b>2.8000e-004</b>	<b>2.2000e-004</b>	<b>2.4600e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6428</b>	<b>0.6428</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6433</b>

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1236					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
<b>Total</b>	<b>0.1247</b>	<b>7.6300e-003</b>	<b>9.0900e-003</b>	<b>1.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.2788</b>

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**3.7 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.1000e-004	8.0000e-005	9.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2472	0.2472	1.0000e-005	0.0000	0.2474
<b>Total</b>	<b>1.1000e-004</b>	<b>8.0000e-005</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2472</b>	<b>0.2472</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2474</b>

**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	0.1236					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
<b>Total</b>	<b>0.1247</b>	<b>7.6300e-003</b>	<b>9.0900e-003</b>	<b>1.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.2788</b>

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**3.7 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.1000e-004	8.0000e-005	9.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2472	0.2472	1.0000e-005	0.0000	0.2474
<b>Total</b>	<b>1.1000e-004</b>	<b>8.0000e-005</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>2.8000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2472</b>	<b>0.2472</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2474</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1398	0.6927	1.7420	5.7900e-003	0.4577	5.0000e-003	0.4627	0.1227	4.6700e-003	0.1274	0.0000	534.4792	534.4792	0.0295	0.0000	535.2166
Unmitigated	0.1398	0.6927	1.7420	5.7900e-003	0.4577	5.0000e-003	0.4627	0.1227	4.6700e-003	0.1274	0.0000	534.4792	534.4792	0.0295	0.0000	535.2166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	157.84	35.20	15.03	386,311	386,311
Medical Office Building	278.20	68.99	11.94	545,426	545,426
Strip Mall	157.34	149.24	72.53	274,096	274,096
Total	593.38	253.44	99.49	1,205,832	1,205,832

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Strip Mall	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	1.2700e-003	0.0115	9.6800e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5389	12.5389	2.4000e-004	2.3000e-004	12.6134
NaturalGas Unmitigated	1.2700e-003	0.0115	9.6800e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	12.5389	12.5389	2.4000e-004	2.3000e-004	12.6134



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**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					
Enclosed Parking with Elevator	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
General Office Building	149009	8.0000e-004	7.3000e-003	6.1400e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	7.9517	7.9517	1.5000e-004	1.5000e-004	7.9989
Medical Office Building	80136.2	4.3000e-004	3.9300e-003	3.3000e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.2764	4.2764	8.0000e-005	8.0000e-005	4.3018
Strip Mall	5825.28	3.0000e-005	2.9000e-004	2.4000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3109	0.3109	1.0000e-005	1.0000e-005	0.3127
<b>Total</b>		<b>1.2600e-003</b>	<b>0.0115</b>	<b>9.6800e-003</b>	<b>6.0000e-005</b>		<b>8.8000e-004</b>	<b>8.8000e-004</b>		<b>8.8000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>12.5389</b>	<b>12.5389</b>	<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>12.6134</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	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
General Office Building	149009	8.0000e-004	7.3000e-003	6.1400e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	7.9517	7.9517	1.5000e-004	1.5000e-004	7.9989
Medical Office Building	80136.2	4.3000e-004	3.9300e-003	3.3000e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.2764	4.2764	8.0000e-005	8.0000e-005	4.3018
Strip Mall	5825.28	3.0000e-005	2.9000e-004	2.4000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3109	0.3109	1.0000e-005	1.0000e-005	0.3127
<b>Total</b>		<b>1.2600e-003</b>	<b>0.0115</b>	<b>9.6800e-003</b>	<b>6.0000e-005</b>		<b>8.8000e-004</b>	<b>8.8000e-004</b>		<b>8.8000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>12.5389</b>	<b>12.5389</b>	<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>12.6134</b>

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**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	214324	0.0000	0.0000	0.0000	0.0000
General Office Building	185939	0.0000	0.0000	0.0000	0.0000
Medical Office Building	99997	0.0000	0.0000	0.0000	0.0000
Strip Mall	47952	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	214324	0.0000	0.0000	0.0000	0.0000
General Office Building	185939	0.0000	0.0000	0.0000	0.0000
Medical Office Building	99997	0.0000	0.0000	0.0000	0.0000
Strip Mall	47952	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

517 East Broadway (5-story/Med/General Office/Retail) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1072	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5400e-003	1.5400e-003	0.0000	0.0000	1.6400e-003
Unmitigated	0.1072	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5400e-003	1.5400e-003	0.0000	0.0000	1.6400e-003

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0124					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0947					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5400e-003	1.5400e-003	0.0000	0.0000	1.6400e-003
<b>Total</b>	<b>0.1072</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.5400e-003</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.6400e-003</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0124					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0947					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5400e-003	1.5400e-003	0.0000	0.0000	1.6400e-003
<b>Total</b>	<b>0.1072</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.5400e-003</b>	<b>1.5400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.6400e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.1969	0.1229	2.9000e-003	5.1350
Unmitigated	1.1969	0.1229	2.9000e-003	5.1350

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.54337 / 1.55884	0.8069	0.0829	1.9600e-003	3.4619
Medical Office Building	0.9662 / 0.184038	0.3065	0.0315	7.4000e-004	1.3152
Strip Mall	0.262957 / 0.161167	0.0834	8.5700e-003	2.0000e-004	0.3579
<b>Total</b>		<b>1.1968</b>	<b>0.1229</b>	<b>2.9000e-003</b>	<b>5.1350</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.54337 / 1.55884	0.8069	0.0829	1.9600e-003	3.4619
Medical Office Building	0.9662 / 0.184038	0.3065	0.0315	7.4000e-004	1.3152
Strip Mall	0.262957 / 0.161167	0.0834	8.5700e-003	2.0000e-004	0.3579
<b>Total</b>		<b>1.1968</b>	<b>0.1229</b>	<b>2.9000e-003</b>	<b>5.1350</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**



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**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	20.3397	1.2020	0.0000	50.3907
Unmitigated	20.3397	1.2020	0.0000	50.3907

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	13.31	2.7018	0.1597	0.0000	6.6936
Medical Office Building	83.16	16.8807	0.9976	0.0000	41.8213
Strip Mall	3.73	0.7572	0.0448	0.0000	1.8758
<b>Total</b>		<b>20.3397</b>	<b>1.2020</b>	<b>0.0000</b>	<b>50.3907</b>

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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	13.31	2.7018	0.1597	0.0000	6.6936
Medical Office Building	83.16	16.8807	0.9976	0.0000	41.8213
Strip Mall	3.73	0.7572	0.0448	0.0000	1.8758
<b>Total</b>		<b>20.3397</b>	<b>1.2020</b>	<b>0.0000</b>	<b>50.3907</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

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Equipment Type	Number
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## 11.0 Vegetation

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