

400 E Lomita Avenue - Holy Family - Los Angeles-South Coast County, Annual

**400 E Lomita Avenue - Holy Family**  
**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	12.60	1000sqft	0.29	12,600.00	0
High School	2.90	1000sqft	0.07	2,900.00	0
High School	18.59	1000sqft	1.36	18,592.00	0
Place of Worship	12.76	1000sqft	0.29	12,764.00	0
Other Asphalt Surfaces	12.86	1000sqft	0.30	12,860.00	0
Parking Lot	65.25	1000sqft	1.50	65,253.00	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
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1115.33	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics - Site: 3 parcels (166,724 SF). Phase I - i) Demo 548 SF storage and 3,055 SF Offices, ii) Construct new 12,600 SF office, 65,253 SF parking lot and 12,859 SF grass parking lot. Phase II - i) Demo 2,827 SF Parish Hall, ii) construct 2,900 SF classroom.

Land Use - Existing: 12,764 SF Church and 18,592 SF High School. New: 12,600 SF Parish/School Offices, 2,900 SF Music/Lifeteen Classroom, 65,253 SF surface parking lot, 12,859 SF grass parking lot/playground.

Construction Phase -

Demolition - Phase I: Demo 3,055 SF Parish Office and 548 SF Storage Room. Phase II: Demo approx 65,253 SF asphalt parking lot (1 ton = approx. 79 SF of paving; 65,253 SF/79 SF= 825.98 tons)

Grading -

Energy Use -

Table Name	Column Name	Default Value	New Value
tblGrading	MaterialExported	0.00	40.00
tblGrading	MaterialExported	0.00	790.00
tblGrading	MaterialImported	0.00	50.00
tblGrading	MaterialImported	0.00	140.00
tblLandUse	LandUseSquareFeet	18,590.00	18,592.00
tblLandUse	LandUseSquareFeet	12,760.00	12,764.00
tblLandUse	LandUseSquareFeet	65,250.00	65,253.00
tblLandUse	LotAcreage	0.43	1.36
tblTripsAndVMT	HaulingTripNumber	16.00	0.00
tblTripsAndVMT	HaulingTripNumber	11.00	0.00
tblTripsAndVMT	HaulingTripNumber	116.00	0.00
tblTripsAndVMT	HaulingTripNumber	82.00	0.00

**2.0 Emissions Summary**

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**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	0.0943	0.9000	0.6683	1.2500e-003	0.0873	0.0459	0.1332	0.0424	0.0427	0.0851	0.0000	110.3926	110.3926	0.0259	0.0000	111.0393
2021	0.7654	2.7758	2.5955	4.9900e-003	0.1602	0.1380	0.2982	0.0612	0.1293	0.1905	0.0000	439.3323	439.3323	0.0883	0.0000	441.5387
2022	0.2158	1.9322	2.0418	4.0900e-003	0.0750	0.0895	0.1645	0.0202	0.0842	0.1044	0.0000	360.5325	360.5325	0.0655	0.0000	362.1688
<b>Maximum</b>	<b>0.7654</b>	<b>2.7758</b>	<b>2.5955</b>	<b>4.9900e-003</b>	<b>0.1602</b>	<b>0.1380</b>	<b>0.2982</b>	<b>0.0612</b>	<b>0.1293</b>	<b>0.1905</b>	<b>0.0000</b>	<b>439.3323</b>	<b>439.3323</b>	<b>0.0883</b>	<b>0.0000</b>	<b>441.5387</b>

**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	0.0943	0.9000	0.6683	1.2500e-003	0.0873	0.0459	0.1332	0.0424	0.0427	0.0851	0.0000	110.3925	110.3925	0.0259	0.0000	111.0392
2021	0.7654	2.7758	2.5955	4.9900e-003	0.1602	0.1380	0.2982	0.0612	0.1293	0.1905	0.0000	439.3319	439.3319	0.0883	0.0000	441.5383
2022	0.2158	1.9321	2.0418	4.0900e-003	0.0750	0.0895	0.1645	0.0202	0.0842	0.1044	0.0000	360.5322	360.5322	0.0655	0.0000	362.1685
<b>Maximum</b>	<b>0.7654</b>	<b>2.7758</b>	<b>2.5955</b>	<b>4.9900e-003</b>	<b>0.1602</b>	<b>0.1380</b>	<b>0.2982</b>	<b>0.0612</b>	<b>0.1293</b>	<b>0.1905</b>	<b>0.0000</b>	<b>439.3319</b>	<b>439.3319</b>	<b>0.0883</b>	<b>0.0000</b>	<b>441.5383</b>

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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
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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2020	12-31-2020	0.9921	0.9921
2	1-1-2021	3-31-2021	0.6989	0.6989
3	4-1-2021	6-30-2021	0.7054	0.7054
4	7-1-2021	9-30-2021	0.7131	0.7131
5	10-1-2021	12-31-2021	1.3778	1.3778
6	1-1-2022	3-31-2022	0.6301	0.6301
7	4-1-2022	6-30-2022	0.6359	0.6359
8	7-1-2022	9-30-2022	0.6429	0.6429
		Highest	1.3778	1.3778

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**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	0.1973	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1000e-003	3.1000e-003	1.0000e-005	0.0000	3.3100e-003
Energy	3.1600e-003	0.0287	0.0241	1.7000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	261.6579	261.6579	6.5900e-003	1.8100e-003	262.3628
Mobile	0.1623	0.8371	2.2320	7.6800e-003	0.6170	6.5700e-003	0.6236	0.1654	6.1400e-003	0.1715	0.0000	709.0954	709.0954	0.0380	0.0000	710.0449
Waste						0.0000	0.0000		0.0000	0.0000	22.8142	0.0000	22.8142	1.3483	0.0000	56.5211
Water						0.0000	0.0000		0.0000	0.0000	1.0635	43.6203	44.6838	0.1104	2.8100e-003	48.2816
<b>Total</b>	<b>0.3627</b>	<b>0.8658</b>	<b>2.2578</b>	<b>7.8500e-003</b>	<b>0.6170</b>	<b>8.7600e-003</b>	<b>0.6258</b>	<b>0.1654</b>	<b>8.3300e-003</b>	<b>0.1737</b>	<b>23.8777</b>	<b>1,014.3768</b>	<b>1,038.2545</b>	<b>1.5032</b>	<b>4.6200e-003</b>	<b>1,077.2137</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	0.1973	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1000e-003	3.1000e-003	1.0000e-005	0.0000	3.3100e-003
Energy	3.1600e-003	0.0287	0.0241	1.7000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	261.6579	261.6579	6.5900e-003	1.8100e-003	262.3628
Mobile	0.1623	0.8371	2.2320	7.6800e-003	0.6170	6.5700e-003	0.6236	0.1654	6.1400e-003	0.1715	0.0000	709.0954	709.0954	0.0380	0.0000	710.0449
Waste						0.0000	0.0000		0.0000	0.0000	22.8142	0.0000	22.8142	1.3483	0.0000	56.5211
Water						0.0000	0.0000		0.0000	0.0000	1.0635	43.6203	44.6838	0.1104	2.8100e-003	48.2816
<b>Total</b>	<b>0.3627</b>	<b>0.8658</b>	<b>2.2578</b>	<b>7.8500e-003</b>	<b>0.6170</b>	<b>8.7600e-003</b>	<b>0.6258</b>	<b>0.1654</b>	<b>8.3300e-003</b>	<b>0.1737</b>	<b>23.8777</b>	<b>1,014.3768</b>	<b>1,038.2545</b>	<b>1.5032</b>	<b>4.6200e-003</b>	<b>1,077.2137</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**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase I Demolition	Demolition	10/1/2020	10/28/2020	5	20	
2	Phase I Site Preparation	Site Preparation	10/29/2020	11/4/2020	5	5	
3	Phase I Grading	Grading	11/5/2020	11/16/2020	5	8	
4	Phase I Building Construction	Building Construction	11/17/2020	10/4/2021	5	230	
5	Phase I Paving	Paving	10/5/2021	10/28/2021	5	18	
6	Phase I Architectural Coating	Architectural Coating	10/29/2021	11/23/2021	5	18	
7	Phase II Demolition	Demolition	11/1/2021	11/26/2021	5	20	
8	Phase II Paving	Paving	11/4/2021	11/29/2021	5	18	
9	Phase II Site Preparation	Site Preparation	11/28/2021	12/3/2021	5	5	
10	Phase II Architectural Coating	Architectural Coating	11/30/2021	12/23/2021	5	18	
11	Phase II Grading	Grading	12/5/2021	12/15/2021	5	8	
12	Phase II Building Construction	Building Construction	12/17/2021	11/3/2022	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 70,284; Non-Residential Outdoor: 23,428; Striped Parking Area: 4,687 (Architectural Coating – sqft)

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase I Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase I Demolition	Excavators	3	8.00	158	0.38
Phase I Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Phase I Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

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Phase I Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase I Grading	Excavators	1	8.00	158	0.38
Phase I Grading	Graders	1	8.00	187	0.41
Phase I Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase I Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase I Building Construction	Cranes	1	7.00	231	0.29
Phase I Building Construction	Forklifts	3	8.00	89	0.20
Phase I Building Construction	Generator Sets	1	8.00	84	0.74
Phase I Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase I Building Construction	Welders	1	8.00	46	0.45
Phase I Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Phase I Paving	Pavers	1	8.00	130	0.42
Phase I Paving	Paving Equipment	2	6.00	132	0.36
Phase I Paving	Rollers	2	6.00	80	0.38
Phase I Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase I Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase II Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase II Demolition	Excavators	3	8.00	158	0.38
Phase II Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Phase II Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase II Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase II Grading	Excavators	1	8.00	158	0.38
Phase II Grading	Graders	1	8.00	187	0.41
Phase II Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase II Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase II Building Construction	Cranes	1	7.00	231	0.29
Phase II Building Construction	Forklifts	3	8.00	89	0.20



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Phase II Building Construction	Generator Sets	1	8.00	84	0.74
Phase II Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase II Building Construction	Welders	1	8.00	46	0.45
Phase II Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Phase II Paving	Pavers	1	8.00	130	0.42
Phase II Paving	Paving Equipment	2	6.00	132	0.36
Phase II Paving	Rollers	2	6.00	80	0.38
Phase II Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase II Architectural Coating	Air Compressors	1	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
Phase I Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase I Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase I Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase I Building Construction	9	51.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase I Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase I Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Building Construction	9	51.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase II Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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**3.2 Phase I 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					1.7700e-003	0.0000	1.7700e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>1.7700e-003</b>	<b>0.0166</b>	<b>0.0184</b>	<b>2.7000e-004</b>	<b>0.0154</b>	<b>0.0157</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2386</b>

**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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
<b>Total</b>	<b>6.9000e-004</b>	<b>5.6000e-004</b>	<b>6.1700e-003</b>	<b>2.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.5320</b>	<b>1.5320</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.5332</b>

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**3.2 Phase I Demolition - 2020**

**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					1.7700e-003	0.0000	1.7700e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>1.7700e-003</b>	<b>0.0166</b>	<b>0.0184</b>	<b>2.7000e-004</b>	<b>0.0154</b>	<b>0.0157</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2385</b>

**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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
<b>Total</b>	<b>6.9000e-004</b>	<b>5.6000e-004</b>	<b>6.1700e-003</b>	<b>2.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.5320</b>	<b>1.5320</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.5332</b>

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**3.3 Phase I 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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.1060	0.0538	1.0000e-004		5.4900e-003	5.4900e-003		5.0500e-003	5.0500e-003	0.0000	8.3577	8.3577	2.7000e-003	0.0000	8.4253
<b>Total</b>	<b>0.0102</b>	<b>0.1060</b>	<b>0.0538</b>	<b>1.0000e-004</b>	<b>0.0452</b>	<b>5.4900e-003</b>	<b>0.0507</b>	<b>0.0248</b>	<b>5.0500e-003</b>	<b>0.0299</b>	<b>0.0000</b>	<b>8.3577</b>	<b>8.3577</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.4253</b>

**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	2.1000e-004	1.7000e-004	1.8500e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4596	0.4596	1.0000e-005	0.0000	0.4600
<b>Total</b>	<b>2.1000e-004</b>	<b>1.7000e-004</b>	<b>1.8500e-003</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>5.0000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4596</b>	<b>0.4596</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4600</b>

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**3.3 Phase I Site Preparation - 2020**

**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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.1060	0.0538	1.0000e-004		5.4900e-003	5.4900e-003		5.0500e-003	5.0500e-003	0.0000	8.3577	8.3577	2.7000e-003	0.0000	8.4252
<b>Total</b>	<b>0.0102</b>	<b>0.1060</b>	<b>0.0538</b>	<b>1.0000e-004</b>	<b>0.0452</b>	<b>5.4900e-003</b>	<b>0.0507</b>	<b>0.0248</b>	<b>5.0500e-003</b>	<b>0.0299</b>	<b>0.0000</b>	<b>8.3577</b>	<b>8.3577</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.4252</b>

**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	2.1000e-004	1.7000e-004	1.8500e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4596	0.4596	1.0000e-005	0.0000	0.4600
<b>Total</b>	<b>2.1000e-004</b>	<b>1.7000e-004</b>	<b>1.8500e-003</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>5.0000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4596</b>	<b>0.4596</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4600</b>

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**3.4 Phase I 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					0.0263	0.0000	0.0263	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1055	0.0642	1.2000e-004		5.0900e-003	5.0900e-003		4.6900e-003	4.6900e-003	0.0000	10.4235	10.4235	3.3700e-003	0.0000	10.5078
<b>Total</b>	<b>9.7200e-003</b>	<b>0.1055</b>	<b>0.0642</b>	<b>1.2000e-004</b>	<b>0.0263</b>	<b>5.0900e-003</b>	<b>0.0314</b>	<b>0.0135</b>	<b>4.6900e-003</b>	<b>0.0182</b>	<b>0.0000</b>	<b>10.4235</b>	<b>10.4235</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.5078</b>

**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	2.4700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.6128	0.6128	2.0000e-005	0.0000	0.6133
<b>Total</b>	<b>2.8000e-004</b>	<b>2.2000e-004</b>	<b>2.4700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.7000e-004</b>	<b>1.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.6128</b>	<b>0.6128</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6133</b>

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**3.4 Phase I Grading - 2020**

**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					0.0263	0.0000	0.0263	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1055	0.0642	1.2000e-004		5.0900e-003	5.0900e-003		4.6900e-003	4.6900e-003	0.0000	10.4235	10.4235	3.3700e-003	0.0000	10.5078
<b>Total</b>	<b>9.7200e-003</b>	<b>0.1055</b>	<b>0.0642</b>	<b>1.2000e-004</b>	<b>0.0263</b>	<b>5.0900e-003</b>	<b>0.0314</b>	<b>0.0135</b>	<b>4.6900e-003</b>	<b>0.0182</b>	<b>0.0000</b>	<b>10.4235</b>	<b>10.4235</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.5078</b>

**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	2.4700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.6128	0.6128	2.0000e-005	0.0000	0.6133
<b>Total</b>	<b>2.8000e-004</b>	<b>2.2000e-004</b>	<b>2.4700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.7000e-004</b>	<b>1.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.6128</b>	<b>0.6128</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6133</b>

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**3.5 Phase I 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	0.0350	0.3166	0.2780	4.4000e-004		0.0184	0.0184		0.0173	0.0173	0.0000	38.2157	38.2157	9.3200e-003	0.0000	38.4487
<b>Total</b>	<b>0.0350</b>	<b>0.3166</b>	<b>0.2780</b>	<b>4.4000e-004</b>		<b>0.0184</b>	<b>0.0184</b>		<b>0.0173</b>	<b>0.0173</b>	<b>0.0000</b>	<b>38.2157</b>	<b>38.2157</b>	<b>9.3200e-003</b>	<b>0.0000</b>	<b>38.4487</b>

**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	1.2000e-003	0.0358	9.6800e-003	8.0000e-005	2.0800e-003	1.7000e-004	2.2400e-003	6.0000e-004	1.6000e-004	7.6000e-004	0.0000	8.1981	8.1981	5.2000e-004	0.0000	8.2111
Worker	3.8800e-003	3.1300e-003	0.0346	1.0000e-004	9.2200e-003	8.0000e-005	9.3000e-003	2.4500e-003	7.0000e-005	2.5200e-003	0.0000	8.5947	8.5947	2.7000e-004	0.0000	8.6014
<b>Total</b>	<b>5.0800e-003</b>	<b>0.0389</b>	<b>0.0443</b>	<b>1.8000e-004</b>	<b>0.0113</b>	<b>2.5000e-004</b>	<b>0.0115</b>	<b>3.0500e-003</b>	<b>2.3000e-004</b>	<b>3.2800e-003</b>	<b>0.0000</b>	<b>16.7927</b>	<b>16.7927</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>16.8125</b>



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**3.5 Phase I Building Construction - 2020**

**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	0.0350	0.3166	0.2780	4.4000e-004		0.0184	0.0184		0.0173	0.0173	0.0000	38.2156	38.2156	9.3200e-003	0.0000	38.4487
<b>Total</b>	<b>0.0350</b>	<b>0.3166</b>	<b>0.2780</b>	<b>4.4000e-004</b>		<b>0.0184</b>	<b>0.0184</b>		<b>0.0173</b>	<b>0.0173</b>	<b>0.0000</b>	<b>38.2156</b>	<b>38.2156</b>	<b>9.3200e-003</b>	<b>0.0000</b>	<b>38.4487</b>

**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	1.2000e-003	0.0358	9.6800e-003	8.0000e-005	2.0800e-003	1.7000e-004	2.2400e-003	6.0000e-004	1.6000e-004	7.6000e-004	0.0000	8.1981	8.1981	5.2000e-004	0.0000	8.2111
Worker	3.8800e-003	3.1300e-003	0.0346	1.0000e-004	9.2200e-003	8.0000e-005	9.3000e-003	2.4500e-003	7.0000e-005	2.5200e-003	0.0000	8.5947	8.5947	2.7000e-004	0.0000	8.6014
<b>Total</b>	<b>5.0800e-003</b>	<b>0.0389</b>	<b>0.0443</b>	<b>1.8000e-004</b>	<b>0.0113</b>	<b>2.5000e-004</b>	<b>0.0115</b>	<b>3.0500e-003</b>	<b>2.3000e-004</b>	<b>3.2800e-003</b>	<b>0.0000</b>	<b>16.7927</b>	<b>16.7927</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>16.8125</b>

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**3.5 Phase I 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	0.1872	1.7171	1.6327	2.6500e-003		0.0944	0.0944		0.0888	0.0888	0.0000	228.1627	228.1627	0.0551	0.0000	229.5389
<b>Total</b>	<b>0.1872</b>	<b>1.7171</b>	<b>1.6327</b>	<b>2.6500e-003</b>		<b>0.0944</b>	<b>0.0944</b>		<b>0.0888</b>	<b>0.0888</b>	<b>0.0000</b>	<b>228.1627</b>	<b>228.1627</b>	<b>0.0551</b>	<b>0.0000</b>	<b>229.5389</b>

**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	6.1200e-003	0.1944	0.0527	5.0000e-004	0.0124	4.0000e-004	0.0128	3.5800e-003	3.8000e-004	3.9600e-003	0.0000	48.5598	48.5598	2.9800e-003	0.0000	48.6343
Worker	0.0216	0.0168	0.1900	5.5000e-004	0.0551	4.5000e-004	0.0555	0.0146	4.2000e-004	0.0150	0.0000	49.6783	49.6783	1.4600e-003	0.0000	49.7148
<b>Total</b>	<b>0.0277</b>	<b>0.2113</b>	<b>0.2427</b>	<b>1.0500e-003</b>	<b>0.0675</b>	<b>8.5000e-004</b>	<b>0.0683</b>	<b>0.0182</b>	<b>8.0000e-004</b>	<b>0.0190</b>	<b>0.0000</b>	<b>98.2381</b>	<b>98.2381</b>	<b>4.4400e-003</b>	<b>0.0000</b>	<b>98.3491</b>

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**3.5 Phase I Building Construction - 2021**

**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	0.1872	1.7171	1.6327	2.6500e-003		0.0944	0.0944		0.0888	0.0888	0.0000	228.1625	228.1625	0.0551	0.0000	229.5386
<b>Total</b>	<b>0.1872</b>	<b>1.7171</b>	<b>1.6327</b>	<b>2.6500e-003</b>		<b>0.0944</b>	<b>0.0944</b>		<b>0.0888</b>	<b>0.0888</b>	<b>0.0000</b>	<b>228.1625</b>	<b>228.1625</b>	<b>0.0551</b>	<b>0.0000</b>	<b>229.5386</b>

**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	6.1200e-003	0.1944	0.0527	5.0000e-004	0.0124	4.0000e-004	0.0128	3.5800e-003	3.8000e-004	3.9600e-003	0.0000	48.5598	48.5598	2.9800e-003	0.0000	48.6343
Worker	0.0216	0.0168	0.1900	5.5000e-004	0.0551	4.5000e-004	0.0555	0.0146	4.2000e-004	0.0150	0.0000	49.6783	49.6783	1.4600e-003	0.0000	49.7148
<b>Total</b>	<b>0.0277</b>	<b>0.2113</b>	<b>0.2427</b>	<b>1.0500e-003</b>	<b>0.0675</b>	<b>8.5000e-004</b>	<b>0.0683</b>	<b>0.0182</b>	<b>8.0000e-004</b>	<b>0.0190</b>	<b>0.0000</b>	<b>98.2381</b>	<b>98.2381</b>	<b>4.4400e-003</b>	<b>0.0000</b>	<b>98.3491</b>

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**3.6 Phase I 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	9.8500e-003	0.0976	0.1103	1.7000e-004		5.2100e-003	5.2100e-003		4.8100e-003	4.8100e-003	0.0000	14.7336	14.7336	4.6300e-003	0.0000	14.8493
Paving	2.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0122</b>	<b>0.0976</b>	<b>0.1103</b>	<b>1.7000e-004</b>		<b>5.2100e-003</b>	<b>5.2100e-003</b>		<b>4.8100e-003</b>	<b>4.8100e-003</b>	<b>0.0000</b>	<b>14.7336</b>	<b>14.7336</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>14.8493</b>

**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	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
<b>Total</b>	<b>7.7000e-004</b>	<b>6.0000e-004</b>	<b>6.8100e-003</b>	<b>2.0000e-005</b>	<b>1.9700e-003</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>5.2000e-004</b>	<b>1.0000e-005</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>1.7801</b>	<b>1.7801</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.7814</b>

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**3.6 Phase I Paving - 2021**

**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	9.8500e-003	0.0976	0.1103	1.7000e-004		5.2100e-003	5.2100e-003		4.8100e-003	4.8100e-003	0.0000	14.7335	14.7335	4.6300e-003	0.0000	14.8493
Paving	2.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0122</b>	<b>0.0976</b>	<b>0.1103</b>	<b>1.7000e-004</b>		<b>5.2100e-003</b>	<b>5.2100e-003</b>		<b>4.8100e-003</b>	<b>4.8100e-003</b>	<b>0.0000</b>	<b>14.7335</b>	<b>14.7335</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>14.8493</b>

**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	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
<b>Total</b>	<b>7.7000e-004</b>	<b>6.0000e-004</b>	<b>6.8100e-003</b>	<b>2.0000e-005</b>	<b>1.9700e-003</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>5.2000e-004</b>	<b>1.0000e-005</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>1.7801</b>	<b>1.7801</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.7814</b>

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**3.7 Phase I 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	0.2280					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9700e-003	0.0137	0.0164	3.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	2.2979	2.2979	1.6000e-004	0.0000	2.3019
<b>Total</b>	<b>0.2300</b>	<b>0.0137</b>	<b>0.0164</b>	<b>3.0000e-005</b>		<b>8.5000e-004</b>	<b>8.5000e-004</b>		<b>8.5000e-004</b>	<b>8.5000e-004</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.3019</b>

**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	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
<b>Total</b>	<b>3.9000e-004</b>	<b>3.0000e-004</b>	<b>3.4000e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8900</b>	<b>0.8900</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8907</b>

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**3.7 Phase I Architectural Coating - 2021**

**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	0.2280					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9700e-003	0.0137	0.0164	3.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	2.2979	2.2979	1.6000e-004	0.0000	2.3019
<b>Total</b>	<b>0.2300</b>	<b>0.0137</b>	<b>0.0164</b>	<b>3.0000e-005</b>		<b>8.5000e-004</b>	<b>8.5000e-004</b>		<b>8.5000e-004</b>	<b>8.5000e-004</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.3019</b>

**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	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
<b>Total</b>	<b>3.9000e-004</b>	<b>3.0000e-004</b>	<b>3.4000e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8900</b>	<b>0.8900</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8907</b>

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**3.8 Phase II Demolition - 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					
Fugitive Dust					8.8400e-003	0.0000	8.8400e-003	1.3400e-003	0.0000	1.3400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
<b>Total</b>	<b>0.0317</b>	<b>0.3144</b>	<b>0.2157</b>	<b>3.9000e-004</b>	<b>8.8400e-003</b>	<b>0.0155</b>	<b>0.0244</b>	<b>1.3400e-003</b>	<b>0.0144</b>	<b>0.0158</b>	<b>0.0000</b>	<b>34.0008</b>	<b>34.0008</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>34.2400</b>

**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	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
<b>Total</b>	<b>6.5000e-004</b>	<b>5.0000e-004</b>	<b>5.6700e-003</b>	<b>2.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4834</b>	<b>1.4834</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.4845</b>



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**3.8 Phase II Demolition - 2021**

**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					8.8400e-003	0.0000	8.8400e-003	1.3400e-003	0.0000	1.3400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
<b>Total</b>	<b>0.0317</b>	<b>0.3144</b>	<b>0.2157</b>	<b>3.9000e-004</b>	<b>8.8400e-003</b>	<b>0.0155</b>	<b>0.0244</b>	<b>1.3400e-003</b>	<b>0.0144</b>	<b>0.0158</b>	<b>0.0000</b>	<b>34.0007</b>	<b>34.0007</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>34.2400</b>

**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	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
<b>Total</b>	<b>6.5000e-004</b>	<b>5.0000e-004</b>	<b>5.6700e-003</b>	<b>2.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4834</b>	<b>1.4834</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.4845</b>

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**3.9 Phase II 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	9.8500e-003	0.0976	0.1103	1.7000e-004		5.2100e-003	5.2100e-003		4.8100e-003	4.8100e-003	0.0000	14.7336	14.7336	4.6300e-003	0.0000	14.8493
Paving	2.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0122</b>	<b>0.0976</b>	<b>0.1103</b>	<b>1.7000e-004</b>		<b>5.2100e-003</b>	<b>5.2100e-003</b>		<b>4.8100e-003</b>	<b>4.8100e-003</b>	<b>0.0000</b>	<b>14.7336</b>	<b>14.7336</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>14.8493</b>

**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	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
<b>Total</b>	<b>7.7000e-004</b>	<b>6.0000e-004</b>	<b>6.8100e-003</b>	<b>2.0000e-005</b>	<b>1.9700e-003</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>5.2000e-004</b>	<b>1.0000e-005</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>1.7801</b>	<b>1.7801</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.7814</b>

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**3.9 Phase II Paving - 2021**

**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	9.8500e-003	0.0976	0.1103	1.7000e-004		5.2100e-003	5.2100e-003		4.8100e-003	4.8100e-003	0.0000	14.7335	14.7335	4.6300e-003	0.0000	14.8493
Paving	2.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0122</b>	<b>0.0976</b>	<b>0.1103</b>	<b>1.7000e-004</b>		<b>5.2100e-003</b>	<b>5.2100e-003</b>		<b>4.8100e-003</b>	<b>4.8100e-003</b>	<b>0.0000</b>	<b>14.7335</b>	<b>14.7335</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>14.8493</b>

**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	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
<b>Total</b>	<b>7.7000e-004</b>	<b>6.0000e-004</b>	<b>6.8100e-003</b>	<b>2.0000e-005</b>	<b>1.9700e-003</b>	<b>2.0000e-005</b>	<b>1.9900e-003</b>	<b>5.2000e-004</b>	<b>1.0000e-005</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>1.7801</b>	<b>1.7801</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.7814</b>

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**3.10 Phase II Site Preparation - 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					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1012	0.0529	1.0000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
<b>Total</b>	<b>9.7200e-003</b>	<b>0.1012</b>	<b>0.0529</b>	<b>1.0000e-004</b>	<b>0.0452</b>	<b>5.1100e-003</b>	<b>0.0503</b>	<b>0.0248</b>	<b>4.7000e-003</b>	<b>0.0295</b>	<b>0.0000</b>	<b>8.3589</b>	<b>8.3589</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.4265</b>

**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	1.9000e-004	1.5000e-004	1.7000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4450	0.4450	1.0000e-005	0.0000	0.4453
<b>Total</b>	<b>1.9000e-004</b>	<b>1.5000e-004</b>	<b>1.7000e-003</b>	<b>0.0000</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>5.0000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4450</b>	<b>0.4450</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4453</b>

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**3.10 Phase II Site Preparation - 2021**

**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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1012	0.0529	1.0000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
<b>Total</b>	<b>9.7200e-003</b>	<b>0.1012</b>	<b>0.0529</b>	<b>1.0000e-004</b>	<b>0.0452</b>	<b>5.1100e-003</b>	<b>0.0503</b>	<b>0.0248</b>	<b>4.7000e-003</b>	<b>0.0295</b>	<b>0.0000</b>	<b>8.3589</b>	<b>8.3589</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.4265</b>

**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	1.9000e-004	1.5000e-004	1.7000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4450	0.4450	1.0000e-005	0.0000	0.4453
<b>Total</b>	<b>1.9000e-004</b>	<b>1.5000e-004</b>	<b>1.7000e-003</b>	<b>0.0000</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>5.0000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4450</b>	<b>0.4450</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4453</b>

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**3.11 Phase II 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	0.2280					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9700e-003	0.0137	0.0164	3.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	2.2979	2.2979	1.6000e-004	0.0000	2.3019
<b>Total</b>	<b>0.2300</b>	<b>0.0137</b>	<b>0.0164</b>	<b>3.0000e-005</b>		<b>8.5000e-004</b>	<b>8.5000e-004</b>		<b>8.5000e-004</b>	<b>8.5000e-004</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.3019</b>

**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	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
<b>Total</b>	<b>3.9000e-004</b>	<b>3.0000e-004</b>	<b>3.4000e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8900</b>	<b>0.8900</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8907</b>

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**3.11 Phase II Architectural Coating - 2021**

**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	0.2280					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9700e-003	0.0137	0.0164	3.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	2.2979	2.2979	1.6000e-004	0.0000	2.3019
<b>Total</b>	<b>0.2300</b>	<b>0.0137</b>	<b>0.0164</b>	<b>3.0000e-005</b>		<b>8.5000e-004</b>	<b>8.5000e-004</b>		<b>8.5000e-004</b>	<b>8.5000e-004</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.3019</b>

**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	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
<b>Total</b>	<b>3.9000e-004</b>	<b>3.0000e-004</b>	<b>3.4000e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8900</b>	<b>0.8900</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.8907</b>

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**3.12 Phase II Grading - 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					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e-003	0.0990	0.0634	1.2000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
<b>Total</b>	<b>9.1600e-003</b>	<b>0.0990</b>	<b>0.0634</b>	<b>1.2000e-004</b>	<b>0.0262</b>	<b>4.6400e-003</b>	<b>0.0309</b>	<b>0.0135</b>	<b>4.2700e-003</b>	<b>0.0177</b>	<b>0.0000</b>	<b>10.4215</b>	<b>10.4215</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.5057</b>

**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	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5934	0.5934	2.0000e-005	0.0000	0.5938
<b>Total</b>	<b>2.6000e-004</b>	<b>2.0000e-004</b>	<b>2.2700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5934</b>	<b>0.5934</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5938</b>



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**3.12 Phase II Grading - 2021**

**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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e-003	0.0990	0.0634	1.2000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
<b>Total</b>	<b>9.1600e-003</b>	<b>0.0990</b>	<b>0.0634</b>	<b>1.2000e-004</b>	<b>0.0262</b>	<b>4.6400e-003</b>	<b>0.0309</b>	<b>0.0135</b>	<b>4.2700e-003</b>	<b>0.0177</b>	<b>0.0000</b>	<b>10.4215</b>	<b>10.4215</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.5057</b>

**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	2.6000e-004	2.0000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5934	0.5934	2.0000e-005	0.0000	0.5938
<b>Total</b>	<b>2.6000e-004</b>	<b>2.0000e-004</b>	<b>2.2700e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5934</b>	<b>0.5934</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5938</b>

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**3.13 Phase II 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	0.0105	0.0959	0.0912	1.5000e-004		5.2700e-003	5.2700e-003		4.9600e-003	4.9600e-003	0.0000	12.7401	12.7401	3.0700e-003	0.0000	12.8169
<b>Total</b>	<b>0.0105</b>	<b>0.0959</b>	<b>0.0912</b>	<b>1.5000e-004</b>		<b>5.2700e-003</b>	<b>5.2700e-003</b>		<b>4.9600e-003</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>12.7401</b>	<b>12.7401</b>	<b>3.0700e-003</b>	<b>0.0000</b>	<b>12.8169</b>

**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	3.4000e-004	0.0109	2.9400e-003	3.0000e-005	6.9000e-004	2.0000e-005	7.2000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	2.7115	2.7115	1.7000e-004	0.0000	2.7156
Worker	1.2100e-003	9.4000e-004	0.0106	3.0000e-005	3.0700e-003	3.0000e-005	3.1000e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.7739	2.7739	8.0000e-005	0.0000	2.7760
<b>Total</b>	<b>1.5500e-003</b>	<b>0.0118</b>	<b>0.0136</b>	<b>6.0000e-005</b>	<b>3.7600e-003</b>	<b>5.0000e-005</b>	<b>3.8200e-003</b>	<b>1.0200e-003</b>	<b>4.0000e-005</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>5.4854</b>	<b>5.4854</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>5.4916</b>

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**3.13 Phase II Building Construction - 2021**

**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	0.0105	0.0959	0.0912	1.5000e-004		5.2700e-003	5.2700e-003		4.9600e-003	4.9600e-003	0.0000	12.7400	12.7400	3.0700e-003	0.0000	12.8169
<b>Total</b>	<b>0.0105</b>	<b>0.0959</b>	<b>0.0912</b>	<b>1.5000e-004</b>		<b>5.2700e-003</b>	<b>5.2700e-003</b>		<b>4.9600e-003</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>12.7400</b>	<b>12.7400</b>	<b>3.0700e-003</b>	<b>0.0000</b>	<b>12.8169</b>

**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	3.4000e-004	0.0109	2.9400e-003	3.0000e-005	6.9000e-004	2.0000e-005	7.2000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	2.7115	2.7115	1.7000e-004	0.0000	2.7156
Worker	1.2100e-003	9.4000e-004	0.0106	3.0000e-005	3.0700e-003	3.0000e-005	3.1000e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.7739	2.7739	8.0000e-005	0.0000	2.7760
<b>Total</b>	<b>1.5500e-003</b>	<b>0.0118</b>	<b>0.0136</b>	<b>6.0000e-005</b>	<b>3.7600e-003</b>	<b>5.0000e-005</b>	<b>3.8200e-003</b>	<b>1.0200e-003</b>	<b>4.0000e-005</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>5.4854</b>	<b>5.4854</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>5.4916</b>

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**3.13 Phase II Building Construction - 2022**

**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	0.1868	1.7099	1.7918	2.9500e-003		0.0886	0.0886		0.0834	0.0834	0.0000	253.7391	253.7391	0.0608	0.0000	255.2589
<b>Total</b>	<b>0.1868</b>	<b>1.7099</b>	<b>1.7918</b>	<b>2.9500e-003</b>		<b>0.0886</b>	<b>0.0886</b>		<b>0.0834</b>	<b>0.0834</b>	<b>0.0000</b>	<b>253.7391</b>	<b>253.7391</b>	<b>0.0608</b>	<b>0.0000</b>	<b>255.2589</b>

**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	6.3800e-003	0.2053	0.0554	5.5000e-004	0.0138	3.9000e-004	0.0142	3.9800e-003	3.7000e-004	4.3500e-003	0.0000	53.5086	53.5086	3.2000e-003	0.0000	53.5885
Worker	0.0225	0.0169	0.1946	5.9000e-004	0.0612	4.9000e-004	0.0617	0.0163	4.5000e-004	0.0167	0.0000	53.2848	53.2848	1.4700e-003	0.0000	53.3215
<b>Total</b>	<b>0.0289</b>	<b>0.2222</b>	<b>0.2500</b>	<b>1.1400e-003</b>	<b>0.0750</b>	<b>8.8000e-004</b>	<b>0.0759</b>	<b>0.0202</b>	<b>8.2000e-004</b>	<b>0.0211</b>	<b>0.0000</b>	<b>106.7934</b>	<b>106.7934</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>106.9100</b>

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**3.13 Phase II Building Construction - 2022**

**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	0.1868	1.7099	1.7918	2.9500e-003		0.0886	0.0886		0.0834	0.0834	0.0000	253.7388	253.7388	0.0608	0.0000	255.2586
<b>Total</b>	<b>0.1868</b>	<b>1.7099</b>	<b>1.7918</b>	<b>2.9500e-003</b>		<b>0.0886</b>	<b>0.0886</b>		<b>0.0834</b>	<b>0.0834</b>	<b>0.0000</b>	<b>253.7388</b>	<b>253.7388</b>	<b>0.0608</b>	<b>0.0000</b>	<b>255.2586</b>

**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	6.3800e-003	0.2053	0.0554	5.5000e-004	0.0138	3.9000e-004	0.0142	3.9800e-003	3.7000e-004	4.3500e-003	0.0000	53.5086	53.5086	3.2000e-003	0.0000	53.5885
Worker	0.0225	0.0169	0.1946	5.9000e-004	0.0612	4.9000e-004	0.0617	0.0163	4.5000e-004	0.0167	0.0000	53.2848	53.2848	1.4700e-003	0.0000	53.3215
<b>Total</b>	<b>0.0289</b>	<b>0.2222</b>	<b>0.2500</b>	<b>1.1400e-003</b>	<b>0.0750</b>	<b>8.8000e-004</b>	<b>0.0759</b>	<b>0.0202</b>	<b>8.2000e-004</b>	<b>0.0211</b>	<b>0.0000</b>	<b>106.7934</b>	<b>106.7934</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>106.9100</b>

**4.0 Operational Detail - Mobile**

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**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	0.1623	0.8371	2.2320	7.6800e-003	0.6170	6.5700e-003	0.6236	0.1654	6.1400e-003	0.1715	0.0000	709.0954	709.0954	0.0380	0.0000	710.0449
Unmitigated	0.1623	0.8371	2.2320	7.6800e-003	0.6170	6.5700e-003	0.6236	0.1654	6.1400e-003	0.1715	0.0000	709.0954	709.0954	0.0380	0.0000	710.0449

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	138.98	31.00	13.23	340,148	340,148
High School	37.38	12.67	5.19	124,932	124,932
High School	239.63	81.24	33.28	800,857	800,857
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Place of Worship	116.24	132.32	467.40	359,813	359,813
<b>Total</b>	<b>532.23</b>	<b>257.23</b>	<b>519.10</b>	<b>1,625,750</b>	<b>1,625,750</b>

**4.3 Trip Type Information**

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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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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
High School	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
Other Asphalt Surfaces	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
Parking Lot	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
Place of Worship	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**

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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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	230.4022	230.4022	5.9900e-003	1.2400e-003	230.9213
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	230.4022	230.4022	5.9900e-003	1.2400e-003	230.9213
NaturalGas Mitigated	3.1600e-003	0.0287	0.0241	1.7000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	31.2558	31.2558	6.0000e-004	5.7000e-004	31.4415
NaturalGas Unmitigated	3.1600e-003	0.0287	0.0241	1.7000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	31.2558	31.2558	6.0000e-004	5.7000e-004	31.4415



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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					
General Office Building	131166	7.1000e-004	6.4300e-003	5.4000e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9995	6.9995	1.3000e-004	1.3000e-004	7.0411
High School	193357	1.0400e-003	9.4800e-003	7.9600e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.3183	10.3183	2.0000e-004	1.9000e-004	10.3796
High School	30160	1.6000e-004	1.4800e-003	1.2400e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.6095	1.6095	3.0000e-005	3.0000e-005	1.6190
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	231028	1.2500e-003	0.0113	9.5100e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	12.3286	12.3286	2.4000e-004	2.3000e-004	12.4018
<b>Total</b>		<b>3.1600e-003</b>	<b>0.0287</b>	<b>0.0241</b>	<b>1.8000e-004</b>		<b>2.1800e-003</b>	<b>2.1800e-003</b>		<b>2.1800e-003</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>31.2558</b>	<b>31.2558</b>	<b>6.0000e-004</b>	<b>5.8000e-004</b>	<b>31.4415</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					
General Office Building	131166	7.1000e-004	6.4300e-003	5.4000e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9995	6.9995	1.3000e-004	1.3000e-004	7.0411
High School	193357	1.0400e-003	9.4800e-003	7.9600e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.3183	10.3183	2.0000e-004	1.9000e-004	10.3796
High School	30160	1.6000e-004	1.4800e-003	1.2400e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.6095	1.6095	3.0000e-005	3.0000e-005	1.6190
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	231028	1.2500e-003	0.0113	9.5100e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	12.3286	12.3286	2.4000e-004	2.3000e-004	12.4018
<b>Total</b>		<b>3.1600e-003</b>	<b>0.0287</b>	<b>0.0241</b>	<b>1.8000e-004</b>		<b>2.1800e-003</b>	<b>2.1800e-003</b>		<b>2.1800e-003</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>31.2558</b>	<b>31.2558</b>	<b>6.0000e-004</b>	<b>5.8000e-004</b>	<b>31.4415</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			
General Office Building	163674	82.8035	2.1500e-003	4.5000e-004	82.9901
High School	110065	55.6823	1.4500e-003	3.0000e-004	55.8077
High School	17168	8.6854	2.3000e-004	5.0000e-005	8.7050
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	22838.5	11.5541	3.0000e-004	6.0000e-005	11.5802
Place of Worship	141680	71.6769	1.8600e-003	3.9000e-004	71.8384
<b>Total</b>		<b>230.4022</b>	<b>5.9900e-003</b>	<b>1.2500e-003</b>	<b>230.9213</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			
General Office Building	163674	82.8035	2.1500e-003	4.5000e-004	82.9901
High School	110065	55.6823	1.4500e-003	3.0000e-004	55.8077
High School	17168	8.6854	2.3000e-004	5.0000e-005	8.7050
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	22838.5	11.5541	3.0000e-004	6.0000e-005	11.5802
Place of Worship	141680	71.6769	1.8600e-003	3.9000e-004	71.8384
<b>Total</b>		<b>230.4022</b>	<b>5.9900e-003</b>	<b>1.2500e-003</b>	<b>230.9213</b>

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

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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	0.1973	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1000e-003	3.1000e-003	1.0000e-005	0.0000	3.3100e-003
Unmitigated	0.1973	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1000e-003	3.1000e-003	1.0000e-005	0.0000	3.3100e-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	0.0228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1744					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1000e-003	3.1000e-003	1.0000e-005	0.0000	3.3100e-003
<b>Total</b>	<b>0.1973</b>	<b>1.0000e-005</b>	<b>1.6000e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.1000e-003</b>	<b>3.1000e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.3100e-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	0.0228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1744					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1000e-003	3.1000e-003	1.0000e-005	0.0000	3.3100e-003
<b>Total</b>	<b>0.1973</b>	<b>1.0000e-005</b>	<b>1.6000e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.1000e-003</b>	<b>3.1000e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.3100e-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	44.6838	0.1104	2.8100e-003	48.2816
Unmitigated	44.6838	0.1104	2.8100e-003	48.2816

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	2.23945 / 1.37256	23.1772	0.0736	1.8400e-003	25.5656
High School	0.713568 / 1.83489	15.2401	0.0236	6.3000e-004	16.0188
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.399246 / 0.624462	6.2665	0.0132	3.4000e-004	6.6971
<b>Total</b>		<b>44.6838</b>	<b>0.1104</b>	<b>2.8100e-003</b>	<b>48.2816</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			
General Office Building	2.23945 / 1.37256	23.1772	0.0736	1.8400e-003	25.5656
High School	0.713568 / 1.83489	15.2401	0.0236	6.3000e-004	16.0188
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.399246 / 0.624462	6.2665	0.0132	3.4000e-004	6.6971
<b>Total</b>		<b>44.6838</b>	<b>0.1104</b>	<b>2.8100e-003</b>	<b>48.2816</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	22.8142	1.3483	0.0000	56.5211
Unmitigated	22.8142	1.3483	0.0000	56.5211

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	11.72	2.3791	0.1406	0.0000	5.8940
High School	27.94	5.6716	0.3352	0.0000	14.0511
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	72.73	14.7635	0.8725	0.0000	36.5760
<b>Total</b>		<b>22.8142</b>	<b>1.3483</b>	<b>0.0000</b>	<b>56.5211</b>

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### 8.2 Waste by Land Use

#### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	11.72	2.3791	0.1406	0.0000	5.8940
High School	27.94	5.6716	0.3352	0.0000	14.0511
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	72.73	14.7635	0.8725	0.0000	36.5760
<b>Total</b>		<b>22.8142</b>	<b>1.3483</b>	<b>0.0000</b>	<b>56.5211</b>

### 9.0 Operational Offroad

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

#### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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**11.0 Vegetation**

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