



Environmental Checklist Form (Initial Study Part II)

- 1. Project title and case file number: Emmanuel Faith Community Church
2. Lead agency name and address: City of Escondido, 201 N. Broadway, Escondido, CA 92025
3. Lead agency contact person name, title, phone number and email: Ann Dolmage, Associate Planner, (760) 839-4548, adolmage@escondido.org
4. Project location: 639 E. 17th Avenue, Escondido, CA 92025 (APN 237-030-5800)
5. Project applicant's name, address, phone number and email: Terry Strom, 300 Carlsbad Village Drive, Suite 108A-74, Carlsbad, CA 92008-2999; 951-970-7995; Terry@strompermit.com
6. General Plan designation: Residential Estate
7. Zoning: Residential Estate II: 1 du/0.5, 1, 20 acres
8. Description of project: (Describe the whole action involved, including, but not limited to, later phases of the project and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)
Redevelopment of the 17.6-acre Emmanuel Faith Community Church, including remodeling existing structures, addition of a pre-school, and the addition of 400 seats to the Worship Center. The project would result in an increase of square-footage from 132,665 to 191,813, and a change in parking from 1,444 to 1,411 spaces. In addition, the project includes on-site landscaping and infrastructure improvements. See attached Supplemental.
9. Surrounding land uses and setting (briefly describe the project's surroundings):
The site is located in a residential neighborhood of the City of Escondido. Surrounding residential is primarily single-family, single-story residences that are set back from the roads with substantial landscaping. The area is urbanized, but features such as the lack of sidewalks, use of asphalt driveways, setbacks from the road, heavy landscaping, and undeveloped riparian corridors also give the area a rural undertone.
10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement).

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below potentially would be affected by this project involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Aesthetics                        | <input type="checkbox"/> Agricultural Resources                   | <input type="checkbox"/> Air Quality                        |
| <input checked="" type="checkbox"/> Biological Resources   | <input type="checkbox"/> Cultural Resources                       | <input type="checkbox"/> Geology and Soils                  |
| <input type="checkbox"/> Greenhouse Gas Emissions          | <input checked="" type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology/Water Quality            |
| <input type="checkbox"/> Land Use/Planning                 | <input type="checkbox"/> Mineral Resources                        | <input type="checkbox"/> Noise                              |
| <input type="checkbox"/> Population/Housing                | <input type="checkbox"/> Public Services                          | <input type="checkbox"/> Recreation                         |
| <input checked="" type="checkbox"/> Transportation/Traffic | <input type="checkbox"/> Utilities/Service Systems                | <input type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION shall be prepared.
- I find that, although the proposed project might have a significant effect on the environment, there would not be a significant effect in this case because revisions in the project have been made, or agreed to, by the project proponent. A MITIGATED NEGATIVE DECLARATION shall be prepared.
- I find that the proposed project might have a significant effect on the environment and/or deficiencies exist relative to the City's General Plan Quality of Life Standards, and the extent of the deficiency exceeds the levels identified in the City's Environmental Quality Regulations pursuant to Zoning Code Article 47, Section 33-924 (b), and an ENVIRONMENTAL IMPACT REPORT shall be required.
- I find that the proposed project might have a "potentially significant impact" or "potentially significant unless mitigated impact" on the environment, but at least one effect: a.) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and b.) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT shall be required, but it shall analyze only the effects that remain to be addressed.
- I find that, although the proposed project might have a significant effect on the environment, no further documentation is necessary because all potentially significant effects: (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_

## EVALUATION OF ENVIRONMENTAL IMPACTS:

1. This section evaluates the potential environmental effects of the proposed project, generally using the environmental checklist from the State CEQA Guidelines as amended and the City of Escondido Environmental Quality Regulations (Zoning Code Article 47). A brief explanation in the Environmental Checklist Supplemental Comments is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. All answers must take into account the whole action involved, including off-site, on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts and mitigation measures. Once the lead agency has determined that a particular physical impact might occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. The definitions of the response column headings include the following:
  - A. "Potentially Significant Impact" applies if there is substantial evidence that an effect might be significant. If there are one or more "Potentially Significant Impact" entries once the determination is made, an EIR shall be required.
  - B. "Less Than Significant with Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section 2 below, "Earlier Analyses," may be cross-referenced). Measures incorporated as part of the Project Description that reduce impacts to a "Less than Significant" level shall be considered mitigation.
  - C. "Less Than Significant Impact" applies where the project creates no significant impacts, only less than significant impacts.
  - D. "No Impact" applies where a project does not create an impact in that category. "No Impact" answers do not require an explanation if they are adequately supported by the information sources cited by the lead agency which show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. Earlier Analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or Negative Declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
  - A. Earlier Analysis Used. Identify and state where it is available for review.
  - B. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of an adequately analyzed earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - C. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
3. Lead agencies are encouraged to incorporate references to information sources for potential impacts into the checklist (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
4. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
5. The explanation of each issue should identify the significance of criteria or threshold, if any, used to evaluate each question, as well as the mitigation measure identified, if any, to reduce the impact to less than significant.

**ISSUES:**

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>I. <u>AESTHETICS.</u> Would the project:</b>				
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>II. <u>AGRICULTURAL RESOURCES.</u> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:</b>				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency or (for annexations only) as defined by the adopted policies of the Local Agency Formation Commission, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>III. <u>AIR QUALITY.</u> Where applicable, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</b>				
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**IV. BIOLOGICAL RESOURCES: Would the project:**

a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Conflict with any local policies or ordinances protecting biological resources such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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**V. CULTURAL RESOURCES.** Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Disturb any human remains, including those interred outside of formal cemeteries?                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**VI. GEOLOGY AND SOILS.** Would the project:

- |  |                          |                          |                                     |                                     |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a. Expose people or structures to potentially substantial adverse effects, including the risk of loss, injury, or death involving:   |                          |                          |                                     |                                     |
| i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| ii. Strong seismic ground shaking?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| iii. Seismic-related ground failure, including liquefaction?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| iv. Landslides?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b. Result in substantial soil erosion or the loss of topsoil?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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- d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?
- e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

**VII. GREENHOUSE GAS EMISSIONS.** Would the project:

- a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
- b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gasses?

**VIII. HAZARDS AND HAZARDOUS MATERIALS.** Would the project:

- a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?
- b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?
- c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?
- d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?
- e. For a project located within an airport land-use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in safety hazard for people residing or working in the project area?
- f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
g. Impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**IX. HYDROLOGY AND WATER QUALITY. Would the project:**

a. Violate any water quality standards or waste discharge requirements, including but not limited to increasing pollutant discharges to receiving waters (Consider temperature, dissolved oxygen, turbidity and other typical storm water pollutants)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Have potentially significant adverse impacts on ground water quality, including but not limited to, substantially depleting groundwater supplies or substantially interfering with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river in a manner which would result in substantial/increased erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site and/or significant adverse environmental impacts?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Cause significant alteration of receiving water quality during or following construction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Cause an increase of impervious surfaces and associated run-off?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
h. Cause potentially significant adverse impact on ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Cause or contribute to an exceedance of applicable surface or ground water receiving water quality objectives or degradation of beneficial uses?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Is the project tributary to an already impaired water body, as listed on the Clean Water Act Section 303(d) list? If so, can it result in an increase in any pollutant for which the water body is already impaired?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. Create or exacerbate already existing environmentally sensitive areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
l. Create potentially significant environmental impact on surface water quality, to either marine, fresh, or wetland waters?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
m. Impact aquatic, wetland or riparian habitat?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
n. Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
o. Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
p. Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
q. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
r. Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**X. LAND USE PLANNING.** Would the project:

- a. Physically divide an established community?
- b. Conflict with any applicable land-use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?
- c. Conflict with any applicable habitat conservation plan or natural community conservation plan?

**XI. MINERAL RESOURCES.** Would the project:

- a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?
- b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land-use plan?

**XII. NOISE.** Would the project result in:

- a. Exposure of persons to, or generation of, noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?
- b. Exposure of persons to, or generation of, excessive groundborne vibration or groundborne noise levels?
- c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?
- d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?
- e. For a project located within an airport land-use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?
- f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

**XIII. POPULATION AND HOUSING.** Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**XIV. PUBLIC SERVICES.** Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: |                          |                          |                          |                                     |
| i. Fire protection?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ii. Police protection?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iii. Schools?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iv. Parks?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| v. Other public facilities?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**XV. RECREATION.** Would the project:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**XVI. TRANSPORTATION/TRAFFIC.** Would the project:

- |  |                          |                                     |                          |                          |
|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths and mass transit? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|-------------------------------------|--------------------------|--------------------------|

- b. Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?
- c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?
- d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- e. Result in inadequate emergency access?
- f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

**XVII. UTILITIES AND SERVICE SYSTEMS.** Would the project:

- a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?
- b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?
- c. Require, or result in, the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?
- d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?
- e. Result in a determination by the wastewater treatment provider which serves, or may serve, the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?
- f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

- g. Comply with federal, state, and local statutes and regulations related to solid waste?

**XVIII. MANDATORY FINDINGS OF SIGNIFICANCE.** Would the project:

- a. Have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number, or restrict the range, of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?
- b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)
- c. Does the project have environmental effects which would cause substantial adverse effects on human beings, either directly or indirectly?
- d. Where deficiencies exist relative to the City's General Plan Quality of Life Standards, does the project result in deficiencies that exceed the levels identified in the Environmental Quality Regulations {Zoning Code Section 33-924 (a) }?

## **Source of Information/Material Used in Preparation of this Analysis**

### **Attachments**

Attachment 1: Air Quality, Greenhouse Gas, and Noise Screening Level Analysis Data, RECON 2014

### **Figures**

- Figure 1: Regional Location
- Figure 2: Project Location on an Aerial Photograph
- Figure 3: Site Plan
- Figure 4: Grading Plan
- Figure 5a/b: Landscape Plan

### **Sources of Information**

1. Parking Demand Analysis, Domus Studio Architecture, March 2015a
2. Building Elevations, Domus Studio Architecture, March 2015b
3. Site Plan, Domus Studio Architecture, March 2015c
4. Utility Plans, Burkett & Wong Engineers 2015a
5. Grading Plan, Burkett & Wong Engineers 2015b
6. Preliminary Drainage Report, Burkett & Wong Engineers 2014a
7. Preliminary Water Quality Technical Report, Burkett & Wong Engineers 2014b
8. Landscape Plan, Architectural Landscape 2015
9. Preliminary Geotechnical Investigation, Construction, Testing & Engineering, Inc. (CTE) 2014
10. Traffic Impact Analysis, Linscott, Law, and Greenspan (LLG) 2015
11. First Baptist Church Noise Analysis, Lemon Grove, California. Prepared for Jeff Lettow, First Baptist Church. RECON. September 6, 2006
12. Escondido General Plan, City of Escondido 2012
13. Escondido Zoning Code and Land Use Map, City of Escondido
14. Escondido Municipal Code, City of Escondido
15. Escondido Historical Resources Survey
16. Escondido Local Register of Historic Resources
17. California 303(d) List of Impaired Waters, Regional Water Quality Control Board (RWQCB) 2010
18. Water Quality Control Plan for the San Diego Basin, RWQCB 2012
19. GEOTRACKER, RWQCB 2014
20. Spring 2010 Advanced CEQA Workshop, Association of Environmental Professionals (AEP) 2010
21. Greenhouse Gas CEQA Significance Threshold Stakeholder Working Group, South Coast Air Quality Management District (SCAQMD) 2009
22. Ramona Airport Land Use Compatibility Plan, San Diego County Regional Airport Authority 2011
23. Site Visits/Field Inspection 2014
24. Project Description and Preliminary Information

**ATTACHMENT 1:  
AIR QUALITY, GREENHOUSE GAS, AND NOISE  
SCREENING LEVEL ANALYSIS DATA**

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## AIR QUALITY AND GREENHOUSE GAS

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# ANNUAL

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**7548 Emmanuel Faith Church**  
**San Diego County APCD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	200.00	Student	7.10	30,055.00	0
Place of Worship	400.00	Seat	10.00	60,111.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2015
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - 90,166 sf new construction

17.1 acres grading

Demolition -

Vehicle Trips - LLG 2014 - Traffic Impact Analysis for the Emmanuel Faith Community Church. October 15, 2014

Solid Waste - Corrected values using Table 10.1

Architectural Coating - SDAPCD VOC content limit = 150 g/L

Area Coating - SDAPCD VOC content limit = 150 g/L

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblLandUse	LandUseSquareFeet	11,304.57	30,055.00
tblLandUse	LandUseSquareFeet	20,202.02	60,111.00
tblLandUse	LotAcreage	0.26	7.10
tblLandUse	LotAcreage	0.46	10.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblSolidWaste	SolidWasteGenerationRate	36.50	11.92
tblSolidWaste	SolidWasteGenerationRate	3,600.00	3.00
tblVehicleTrips	ST_TR	0.39	0.00
tblVehicleTrips	ST_TR	0.90	0.14
tblVehicleTrips	SU_TR	0.37	0.00
tblVehicleTrips	WD_TR	4.48	5.00
tblVehicleTrips	WD_TR	0.61	0.14

## 2.0 Emissions Summary

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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	0.4154	6.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114
Energy	4.8300e-003	0.0439	0.0369	2.6000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	283.1070	283.1070	0.0104	2.8400e-003	284.2042
Mobile	0.5251	0.8590	4.3297	6.3800e-003	0.4244	0.0102	0.4346	0.1135	9.4000e-003	0.1229	0.0000	518.1597	518.1597	0.0258	0.0000	518.7019
Waste						0.0000	0.0000		0.0000	0.0000	3.0286	0.0000	3.0286	0.1790	0.0000	6.7873
Water						0.0000	0.0000		0.0000	0.0000	0.3544	12.8695	13.2239	0.0369	9.7000e-004	14.2987
<b>Total</b>	<b>0.9453</b>	<b>0.9029</b>	<b>4.3723</b>	<b>6.6400e-003</b>	<b>0.4244</b>	<b>0.0136</b>	<b>0.4379</b>	<b>0.1135</b>	<b>0.0128</b>	<b>0.1262</b>	<b>3.3830</b>	<b>814.1469</b>	<b>817.5299</b>	<b>0.2521</b>	<b>3.8100e-003</b>	<b>824.0034</b>

## 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	0.4154	6.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114
Energy	4.8300e-003	0.0439	0.0369	2.6000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	283.1070	283.1070	0.0104	2.8400e-003	284.2042
Mobile	0.5251	0.8590	4.3297	6.3800e-003	0.4244	0.0102	0.4346	0.1135	9.4000e-003	0.1229	0.0000	518.1597	518.1597	0.0258	0.0000	518.7019
Waste						0.0000	0.0000		0.0000	0.0000	3.0286	0.0000	3.0286	0.1790	0.0000	6.7873
Water						0.0000	0.0000		0.0000	0.0000	0.3544	12.8695	13.2239	0.0369	9.7000e-004	14.2981
<b>Total</b>	<b>0.9453</b>	<b>0.9029</b>	<b>4.3723</b>	<b>6.6400e-003</b>	<b>0.4244</b>	<b>0.0136</b>	<b>0.4379</b>	<b>0.1135</b>	<b>0.0128</b>	<b>0.1262</b>	<b>3.3830</b>	<b>814.1469</b>	<b>817.5299</b>	<b>0.2521</b>	<b>3.8100e-003</b>	<b>824.0029</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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	1/28/2015	5	20	
2	Site Preparation	Site Preparation	1/29/2015	2/11/2015	5	10	
3	Grading	Grading	2/12/2015	3/25/2015	5	30	
4	Building Construction	Building Construction	3/26/2015	5/18/2016	5	300	
5	Paving	Paving	5/19/2016	6/15/2016	5	20	
6	Architectural Coating	Architectural Coating	6/16/2016	7/13/2016	5	20	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 75**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 135,249; Non-Residential Outdoor: 45,083 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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
Demolition	6	15.00	0.00	3,067.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	38.00	15.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2015

#### 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	0.0451	0.4836	0.3607	4.0000e-004		0.0245	0.0245		0.0229	0.0229	0.0000	37.4413	37.4413	0.0102	0.0000	37.6544
<b>Total</b>	<b>0.0451</b>	<b>0.4836</b>	<b>0.3607</b>	<b>4.0000e-004</b>		<b>0.0245</b>	<b>0.0245</b>		<b>0.0229</b>	<b>0.0229</b>	<b>0.0000</b>	<b>37.4413</b>	<b>37.4413</b>	<b>0.0102</b>	<b>0.0000</b>	<b>37.6544</b>

### 3.2 Demolition - 2015

#### 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	0.0368	0.5190	0.3976	1.1500e-003	0.0262	7.7900e-003	0.0340	7.1800e-003	7.1600e-003	0.0143	0.0000	106.0058	106.0058	8.6000e-004	0.0000	106.0240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	7.5000e-004	7.1800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1616	1.1616	6.0000e-005	0.0000	1.1630
<b>Total</b>	<b>0.0374</b>	<b>0.5198</b>	<b>0.4047</b>	<b>1.1600e-003</b>	<b>0.0274</b>	<b>7.8000e-003</b>	<b>0.0352</b>	<b>7.5000e-003</b>	<b>7.1700e-003</b>	<b>0.0147</b>	<b>0.0000</b>	<b>107.1674</b>	<b>107.1674</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>107.1869</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	0.0451	0.4836	0.3607	4.0000e-004		0.0245	0.0245		0.0229	0.0229	0.0000	37.4412	37.4412	0.0102	0.0000	37.6544
<b>Total</b>	<b>0.0451</b>	<b>0.4836</b>	<b>0.3607</b>	<b>4.0000e-004</b>		<b>0.0245</b>	<b>0.0245</b>		<b>0.0229</b>	<b>0.0229</b>	<b>0.0000</b>	<b>37.4412</b>	<b>37.4412</b>	<b>0.0102</b>	<b>0.0000</b>	<b>37.6544</b>

### 3.2 Demolition - 2015

#### 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	0.0368	0.5190	0.3976	1.1500e-003	0.0262	7.7900e-003	0.0340	7.1800e-003	7.1600e-003	0.0143	0.0000	106.0058	106.0058	8.6000e-004	0.0000	0.0000	106.0240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	7.5000e-004	7.1800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1616	1.1616	6.0000e-005	0.0000	0.0000	1.1630
<b>Total</b>	<b>0.0374</b>	<b>0.5198</b>	<b>0.4047</b>	<b>1.1600e-003</b>	<b>0.0274</b>	<b>7.8000e-003</b>	<b>0.0352</b>	<b>7.5000e-003</b>	<b>7.1700e-003</b>	<b>0.0147</b>	<b>0.0000</b>	<b>107.1674</b>	<b>107.1674</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>107.1869</b>

### 3.3 Site Preparation - 2015

#### 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0263	0.2845	0.2132	2.0000e-004		0.0154	0.0154		0.0142	0.0142	0.0000	18.6506	18.6506	5.5700e-003	0.0000	0.0000	18.7675
<b>Total</b>	<b>0.0263</b>	<b>0.2845</b>	<b>0.2132</b>	<b>2.0000e-004</b>	<b>0.0903</b>	<b>0.0154</b>	<b>0.1058</b>	<b>0.0497</b>	<b>0.0142</b>	<b>0.0639</b>	<b>0.0000</b>	<b>18.6506</b>	<b>18.6506</b>	<b>5.5700e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>18.7675</b>

### 3.3 Site Preparation - 2015

#### 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	3.4000e-004	4.5000e-004	4.3100e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6970	0.6970	4.0000e-005	0.0000	0.6978
<b>Total</b>	<b>3.4000e-004</b>	<b>4.5000e-004</b>	<b>4.3100e-003</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6970</b>	<b>0.6970</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6978</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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0263	0.2845	0.2132	2.0000e-004		0.0154	0.0154		0.0142	0.0142	0.0000	18.6505	18.6505	5.5700e-003	0.0000	18.7675
<b>Total</b>	<b>0.0263</b>	<b>0.2845</b>	<b>0.2132</b>	<b>2.0000e-004</b>	<b>0.0903</b>	<b>0.0154</b>	<b>0.1058</b>	<b>0.0497</b>	<b>0.0142</b>	<b>0.0639</b>	<b>0.0000</b>	<b>18.6505</b>	<b>18.6505</b>	<b>5.5700e-003</b>	<b>0.0000</b>	<b>18.7675</b>

### 3.3 Site Preparation - 2015

#### 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	3.4000e-004	4.5000e-004	4.3100e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6970	0.6970	4.0000e-005	0.0000	0.6978
<b>Total</b>	<b>3.4000e-004</b>	<b>4.5000e-004</b>	<b>4.3100e-003</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6970</b>	<b>0.6970</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6978</b>

### 3.4 Grading - 2015

#### 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					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1016	1.1857	0.7626	9.3000e-004		0.0570	0.0570		0.0525	0.0525	0.0000	88.2633	88.2633	0.0264	0.0000	88.8167
<b>Total</b>	<b>0.1016</b>	<b>1.1857</b>	<b>0.7626</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0570</b>	<b>0.1871</b>	<b>0.0540</b>	<b>0.0525</b>	<b>0.1064</b>	<b>0.0000</b>	<b>88.2633</b>	<b>88.2633</b>	<b>0.0264</b>	<b>0.0000</b>	<b>88.8167</b>

### 3.4 Grading - 2015

#### 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	1.1300e-003	1.5000e-003	0.0144	3.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.3233	2.3233	1.3000e-004	0.0000	2.3260
<b>Total</b>	<b>1.1300e-003</b>	<b>1.5000e-003</b>	<b>0.0144</b>	<b>3.0000e-005</b>	<b>2.4100e-003</b>	<b>2.0000e-005</b>	<b>2.4300e-003</b>	<b>6.4000e-004</b>	<b>2.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.3233</b>	<b>2.3233</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3260</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					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1016	1.1857	0.7626	9.3000e-004		0.0570	0.0570		0.0525	0.0525	0.0000	88.2632	88.2632	0.0264	0.0000	88.8166
<b>Total</b>	<b>0.1016</b>	<b>1.1857</b>	<b>0.7626</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0570</b>	<b>0.1871</b>	<b>0.0540</b>	<b>0.0525</b>	<b>0.1064</b>	<b>0.0000</b>	<b>88.2632</b>	<b>88.2632</b>	<b>0.0264</b>	<b>0.0000</b>	<b>88.8166</b>

### 3.4 Grading - 2015

#### 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	1.1300e-003	1.5000e-003	0.0144	3.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.3233	2.3233	1.3000e-004	0.0000	2.3260
<b>Total</b>	<b>1.1300e-003</b>	<b>1.5000e-003</b>	<b>0.0144</b>	<b>3.0000e-005</b>	<b>2.4100e-003</b>	<b>2.0000e-005</b>	<b>2.4300e-003</b>	<b>6.4000e-004</b>	<b>2.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>2.3233</b>	<b>2.3233</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.3260</b>

### 3.5 Building Construction - 2015

#### 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	0.3677	3.0180	1.8838	2.7000e-003		0.2127	0.2127		0.2000	0.2000	0.0000	245.2143	245.2143	0.0615	0.0000	246.5063
<b>Total</b>	<b>0.3677</b>	<b>3.0180</b>	<b>1.8838</b>	<b>2.7000e-003</b>		<b>0.2127</b>	<b>0.2127</b>		<b>0.2000</b>	<b>0.2000</b>	<b>0.0000</b>	<b>245.2143</b>	<b>245.2143</b>	<b>0.0615</b>	<b>0.0000</b>	<b>246.5063</b>

### 3.5 Building Construction - 2015

#### 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	0.0194	0.1696	0.2230	3.6000e-004	9.8100e-003	2.7100e-003	0.0125	2.8100e-003	2.4900e-003	5.3000e-003	0.0000	32.9117	32.9117	2.9000e-004	0.0000	32.9178
Worker	0.0144	0.0191	0.1828	3.8000e-004	0.0306	2.5000e-004	0.0309	8.1400e-003	2.3000e-004	8.3600e-003	0.0000	29.5752	29.5752	1.6300e-003	0.0000	29.6095
<b>Total</b>	<b>0.0338</b>	<b>0.1887</b>	<b>0.4058</b>	<b>7.4000e-004</b>	<b>0.0404</b>	<b>2.9600e-003</b>	<b>0.0434</b>	<b>0.0110</b>	<b>2.7200e-003</b>	<b>0.0137</b>	<b>0.0000</b>	<b>62.4869</b>	<b>62.4869</b>	<b>1.9200e-003</b>	<b>0.0000</b>	<b>62.5273</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	0.3677	3.0180	1.8838	2.7000e-003		0.2127	0.2127		0.2000	0.2000	0.0000	245.2140	245.2140	0.0615	0.0000	246.5060
<b>Total</b>	<b>0.3677</b>	<b>3.0180</b>	<b>1.8838</b>	<b>2.7000e-003</b>		<b>0.2127</b>	<b>0.2127</b>		<b>0.2000</b>	<b>0.2000</b>	<b>0.0000</b>	<b>245.2140</b>	<b>245.2140</b>	<b>0.0615</b>	<b>0.0000</b>	<b>246.5060</b>

### 3.5 Building Construction - 2015

#### 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	0.0194	0.1696	0.2230	3.6000e-004	9.8100e-003	2.7100e-003	0.0125	2.8100e-003	2.4900e-003	5.3000e-003	0.0000	32.9117	32.9117	2.9000e-004	0.0000	32.9178
Worker	0.0144	0.0191	0.1828	3.8000e-004	0.0306	2.5000e-004	0.0309	8.1400e-003	2.3000e-004	8.3600e-003	0.0000	29.5752	29.5752	1.6300e-003	0.0000	29.6095
<b>Total</b>	<b>0.0338</b>	<b>0.1887</b>	<b>0.4058</b>	<b>7.4000e-004</b>	<b>0.0404</b>	<b>2.9600e-003</b>	<b>0.0434</b>	<b>0.0110</b>	<b>2.7200e-003</b>	<b>0.0137</b>	<b>0.0000</b>	<b>62.4869</b>	<b>62.4869</b>	<b>1.9200e-003</b>	<b>0.0000</b>	<b>62.5273</b>

### 3.5 Building Construction - 2016

#### 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	0.1686	1.4111	0.9161	1.3300e-003		0.0974	0.0974		0.0915	0.0915	0.0000	119.8660	119.8660	0.0297	0.0000	120.4903
<b>Total</b>	<b>0.1686</b>	<b>1.4111</b>	<b>0.9161</b>	<b>1.3300e-003</b>		<b>0.0974</b>	<b>0.0974</b>		<b>0.0915</b>	<b>0.0915</b>	<b>0.0000</b>	<b>119.8660</b>	<b>119.8660</b>	<b>0.0297</b>	<b>0.0000</b>	<b>120.4903</b>

### 3.5 Building Construction - 2016

#### 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	0.0000
Vendor	8.4500e-003	0.0725	0.1016	1.8000e-004	4.8300e-003	1.0700e-003	5.9000e-003	1.3800e-003	9.8000e-004	2.3600e-003	0.0000	16.0192	16.0192	1.3000e-004	0.0000	0.0000	16.0218
Worker	6.4500e-003	8.5200e-003	0.0812	1.9000e-004	0.0151	1.2000e-004	0.0152	4.0100e-003	1.1000e-004	4.1100e-003	0.0000	14.0569	14.0569	7.4000e-004	0.0000	0.0000	14.0725
<b>Total</b>	<b>0.0149</b>	<b>0.0811</b>	<b>0.1829</b>	<b>3.7000e-004</b>	<b>0.0199</b>	<b>1.1900e-003</b>	<b>0.0211</b>	<b>5.3900e-003</b>	<b>1.0900e-003</b>	<b>6.4700e-003</b>	<b>0.0000</b>	<b>30.0761</b>	<b>30.0761</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>30.0943</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	0.1686	1.4111	0.9161	1.3300e-003		0.0974	0.0974		0.0915	0.0915	0.0000	119.8659	119.8659	0.0297	0.0000	120.4902
<b>Total</b>	<b>0.1686</b>	<b>1.4111</b>	<b>0.9161</b>	<b>1.3300e-003</b>		<b>0.0974</b>	<b>0.0974</b>		<b>0.0915</b>	<b>0.0915</b>	<b>0.0000</b>	<b>119.8659</b>	<b>119.8659</b>	<b>0.0297</b>	<b>0.0000</b>	<b>120.4902</b>

### 3.5 Building Construction - 2016

#### 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	8.4500e-003	0.0725	0.1016	1.8000e-004	4.8300e-003	1.0700e-003	5.9000e-003	1.3800e-003	9.8000e-004	2.3600e-003	0.0000	16.0192	16.0192	1.3000e-004	0.0000	16.0218
Worker	6.4500e-003	8.5200e-003	0.0812	1.9000e-004	0.0151	1.2000e-004	0.0152	4.0100e-003	1.1000e-004	4.1100e-003	0.0000	14.0569	14.0569	7.4000e-004	0.0000	14.0725
<b>Total</b>	<b>0.0149</b>	<b>0.0811</b>	<b>0.1829</b>	<b>3.7000e-004</b>	<b>0.0199</b>	<b>1.1900e-003</b>	<b>0.0211</b>	<b>5.3900e-003</b>	<b>1.0900e-003</b>	<b>6.4700e-003</b>	<b>0.0000</b>	<b>30.0761</b>	<b>30.0761</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>30.0943</b>

### 3.6 Paving - 2016

#### 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	0.0209	0.2239	0.1482	2.2000e-004		0.0126	0.0126		0.0116	0.0116	0.0000	21.0138	21.0138	6.3400e-003	0.0000	21.1469
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>0.0209</b>	<b>0.2239</b>	<b>0.1482</b>	<b>2.2000e-004</b>		<b>0.0126</b>	<b>0.0126</b>		<b>0.0116</b>	<b>0.0116</b>	<b>0.0000</b>	<b>21.0138</b>	<b>21.0138</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>21.1469</b>

### 3.6 Paving - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	6.8000e-004	6.4800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1210	1.1210	6.0000e-005	0.0000	1.1222
<b>Total</b>	<b>5.1000e-004</b>	<b>6.8000e-004</b>	<b>6.4800e-003</b>	<b>1.0000e-005</b>	<b>1.2000e-003</b>	<b>1.0000e-005</b>	<b>1.2100e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>1.1210</b>	<b>1.1210</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.1222</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	0.0209	0.2239	0.1482	2.2000e-004		0.0126	0.0126		0.0116	0.0116	0.0000	21.0138	21.0138	6.3400e-003	0.0000	21.1469
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>0.0209</b>	<b>0.2239</b>	<b>0.1482</b>	<b>2.2000e-004</b>		<b>0.0126</b>	<b>0.0126</b>		<b>0.0116</b>	<b>0.0116</b>	<b>0.0000</b>	<b>21.0138</b>	<b>21.0138</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>21.1469</b>

### 3.6 Paving - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	6.8000e-004	6.4800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.1210	1.1210	6.0000e-005	0.0000	1.1222
<b>Total</b>	<b>5.1000e-004</b>	<b>6.8000e-004</b>	<b>6.4800e-003</b>	<b>1.0000e-005</b>	<b>1.2000e-003</b>	<b>1.0000e-005</b>	<b>1.2100e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>1.1210</b>	<b>1.1210</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.1222</b>

### 3.7 Architectural Coating - 2016

#### 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	0.6269					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6800e-003	0.0237	0.0188	3.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596
<b>Total</b>	<b>0.6306</b>	<b>0.0237</b>	<b>0.0188</b>	<b>3.0000e-005</b>		<b>1.9700e-003</b>	<b>1.9700e-003</b>		<b>1.9700e-003</b>	<b>1.9700e-003</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>2.5596</b>

### 3.7 Architectural Coating - 2016

#### 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	2.7000e-004	3.6000e-004	3.4600e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5979	0.5979	3.0000e-005	0.0000	0.5985
<b>Total</b>	<b>2.7000e-004</b>	<b>3.6000e-004</b>	<b>3.4600e-003</b>	<b>1.0000e-005</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>6.5000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5979</b>	<b>0.5979</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.5985</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	0.6269					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6800e-003	0.0237	0.0188	3.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	2.5533	2.5533	3.0000e-004	0.0000	2.5596
<b>Total</b>	<b>0.6306</b>	<b>0.0237</b>	<b>0.0188</b>	<b>3.0000e-005</b>		<b>1.9700e-003</b>	<b>1.9700e-003</b>		<b>1.9700e-003</b>	<b>1.9700e-003</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>2.5596</b>

### 3.7 Architectural Coating - 2016

#### 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	2.7000e-004	3.6000e-004	3.4600e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5979	0.5979	3.0000e-005	0.0000	0.5985
<b>Total</b>	<b>2.7000e-004</b>	<b>3.6000e-004</b>	<b>3.4600e-003</b>	<b>1.0000e-005</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>6.5000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5979</b>	<b>0.5979</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.5985</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5251	0.8590	4.3297	6.3800e-003	0.4244	0.0102	0.4346	0.1135	9.4000e-003	0.1229	0.0000	518.1597	518.1597	0.0258	0.0000	518.7019
Unmitigated	0.5251	0.8590	4.3297	6.3800e-003	0.4244	0.0102	0.4346	0.1135	9.4000e-003	0.1229	0.0000	518.1597	518.1597	0.0258	0.0000	518.7019

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Day-Care Center	1,000.00	0.00	0.00	841,164	841,164
Place of Worship	56.00	56.00	740.00	287,551	287,551
<b>Total</b>	<b>1,056.00</b>	<b>56.00</b>	<b>740.00</b>	<b>1,128,715</b>	<b>1,128,715</b>

### 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
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509603	0.073619	0.192430	0.134105	0.036943	0.005309	0.012459	0.020989	0.001832	0.002087	0.006541	0.000614	0.003471

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	235.3438	235.3438	9.4700e-003	1.9600e-003	236.1502
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	235.3438	235.3438	9.4700e-003	1.9600e-003	236.1502
NaturalGas Mitigated	4.8300e-003	0.0439	0.0369	2.6000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	47.7633	47.7633	9.2000e-004	8.8000e-004	48.0539
NaturalGas Unmitigated	4.8300e-003	0.0439	0.0369	2.6000e-004		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003	0.0000	47.7633	47.7633	9.2000e-004	8.8000e-004	48.0539

**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					
Day-Care Center	186341	1.0000e-003	9.1300e-003	7.6700e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.9439	9.9439	1.9000e-004	1.8000e-004	10.0044
Place of Worship	708709	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	37.8194	37.8194	7.2000e-004	6.9000e-004	38.0496
<b>Total</b>		<b>4.8200e-003</b>	<b>0.0439</b>	<b>0.0369</b>	<b>2.6000e-004</b>		<b>3.3300e-003</b>	<b>3.3300e-003</b>		<b>3.3300e-003</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>47.7633</b>	<b>47.7633</b>	<b>9.1000e-004</b>	<b>8.7000e-004</b>	<b>48.0539</b>

### 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					
Place of Worship	708709	3.8200e-003	0.0347	0.0292	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	37.8194	37.8194	7.2000e-004	6.9000e-004	38.0496
Day-Care Center	186341	1.0000e-003	9.1300e-003	7.6700e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.9439	9.9439	1.9000e-004	1.8000e-004	10.0044
<b>Total</b>		<b>4.8200e-003</b>	<b>0.0439</b>	<b>0.0369</b>	<b>2.6000e-004</b>		<b>3.3300e-003</b>	<b>3.3300e-003</b>		<b>3.3300e-003</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>47.7633</b>	<b>47.7633</b>	<b>9.1000e-004</b>	<b>8.7000e-004</b>	<b>48.0539</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Day-Care Center	179128	58.5405	2.3600e-003	4.9000e-004	58.7411
Place of Worship	540999	176.8032	7.1200e-003	1.4700e-003	177.4091
<b>Total</b>		<b>235.3438</b>	<b>9.4800e-003</b>	<b>1.9600e-003</b>	<b>236.1502</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Day-Care Center	179128	58.5405	2.3600e-003	4.9000e-004	58.7411
Place of Worship	540999	176.8032	7.1200e-003	1.4700e-003	177.4091
<b>Total</b>		<b>235.3438</b>	<b>9.4800e-003</b>	<b>1.9600e-003</b>	<b>236.1502</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4154	6.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114
Unmitigated	0.4154	6.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114

## 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	0.0627					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3521					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.6000e-004	6.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114
<b>Total</b>	<b>0.4154</b>	<b>6.0000e-005</b>	<b>5.7000e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0107</b>	<b>0.0107</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0114</b>

### 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	0.0627					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3521					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.6000e-004	6.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0107	0.0107	3.0000e-005	0.0000	0.0114
<b>Total</b>	<b>0.4154</b>	<b>6.0000e-005</b>	<b>5.7000e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0107</b>	<b>0.0107</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0114</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.2239	0.0369	9.7000e-004	14.2981
Unmitigated	13.2239	0.0369	9.7000e-004	14.2987

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Day-Care Center	0.484848 / 1.24675	6.7438	0.0161	4.3000e-004	7.2138
Place of Worship	0.632099 / 0.988668	6.4801	0.0209	5.4000e-004	7.0849
<b>Total</b>		<b>13.2239</b>	<b>0.0369</b>	<b>9.7000e-004</b>	<b>14.2987</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Day-Care Center	0.484848 / 1.24675	6.7438	0.0161	4.3000e-004	7.2136
Place of Worship	0.632099 / 0.988668	6.4801	0.0209	5.4000e-004	7.0846
<b>Total</b>		<b>13.2239</b>	<b>0.0369</b>	<b>9.7000e-004</b>	<b>14.2981</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.0286	0.1790	0.0000	6.7873
Unmitigated	3.0286	0.1790	0.0000	6.7873

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Day-Care Center	11.92	2.4197	0.1430	0.0000	5.4226
Place of Worship	3	0.6090	0.0360	0.0000	1.3648
<b>Total</b>		<b>3.0286</b>	<b>0.1790</b>	<b>0.0000</b>	<b>6.7874</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Day-Care Center	11.92	2.4197	0.1430	0.0000	5.4226
Place of Worship	3	0.6090	0.0360	0.0000	1.3648
<b>Total</b>		<b>3.0286</b>	<b>0.1790</b>	<b>0.0000</b>	<b>6.7874</b>

## 9.0 Operational Offroad

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

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# SUMMER

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**7548 Emmanuel Faith Church**  
**San Diego County APCD Air District, Summer**

## 1.0 Project Characteristics

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### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	200.00	Student	7.10	30,055.00	0
Place of Worship	400.00	Seat	10.00	60,111.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2015
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - 90,166 sf new construction

17.1 acres grading

Demolition -

Vehicle Trips - LLG 2014 - Traffic Impact Analysis for the Emmanuel Faith Community Church. October 15, 2014

Solid Waste - Corrected values using Table 10.1

Architectural Coating - SDAPCD VOC content limit = 150 g/L

Area Coating - SDAPCD VOC content limit = 150 g/L

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblLandUse	LandUseSquareFeet	11,304.57	30,055.00
tblLandUse	LandUseSquareFeet	20,202.02	60,111.00
tblLandUse	LotAcreage	0.26	7.10
tblLandUse	LotAcreage	0.46	10.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblSolidWaste	SolidWasteGenerationRate	36.50	11.92
tblSolidWaste	SolidWasteGenerationRate	3,600.00	3.00
tblVehicleTrips	ST_TR	0.39	0.00
tblVehicleTrips	ST_TR	0.90	0.14
tblVehicleTrips	SU_TR	0.37	0.00
tblVehicleTrips	WD_TR	4.48	5.00
tblVehicleTrips	WD_TR	0.61	0.14

## 2.0 Emissions Summary

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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	lb/day										lb/day					
Area	2.2793	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
Energy	0.0265	0.2404	0.2020	1.4400e-003		0.0183	0.0183		0.0183	0.0183		288.4931	288.4931	5.5300e-003	5.2900e-003	290.2488
Mobile	5.9040	9.8260	47.8134	0.0824	5.4198	0.1253	5.5450	1.4467	0.1150	1.5617		7,379.6847	7,379.6847	0.3465		7,386.9613
<b>Total</b>	<b>8.2098</b>	<b>10.0670</b>	<b>48.0787</b>	<b>0.0838</b>	<b>5.4198</b>	<b>0.1438</b>	<b>5.5635</b>	<b>1.4467</b>	<b>0.1335</b>	<b>1.5802</b>		<b>7,668.3090</b>	<b>7,668.3090</b>	<b>0.3524</b>	<b>5.2900e-003</b>	<b>7,677.3494</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2793	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
Energy	0.0265	0.2404	0.2020	1.4400e-003		0.0183	0.0183		0.0183	0.0183		288.4931	288.4931	5.5300e-003	5.2900e-003	290.2488
Mobile	5.9040	9.8260	47.8134	0.0824	5.4198	0.1253	5.5450	1.4467	0.1150	1.5617		7,379.6847	7,379.6847	0.3465		7,386.9613
<b>Total</b>	<b>8.2098</b>	<b>10.0670</b>	<b>48.0787</b>	<b>0.0838</b>	<b>5.4198</b>	<b>0.1438</b>	<b>5.5635</b>	<b>1.4467</b>	<b>0.1335</b>	<b>1.5802</b>		<b>7,668.3090</b>	<b>7,668.3090</b>	<b>0.3524</b>	<b>5.2900e-003</b>	<b>7,677.3494</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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	1/28/2015	5	20	
2	Site Preparation	Site Preparation	1/29/2015	2/11/2015	5	10	
3	Grading	Grading	2/12/2015	3/25/2015	5	30	
4	Building Construction	Building Construction	3/26/2015	5/18/2016	5	300	
5	Paving	Paving	5/19/2016	6/15/2016	5	20	
6	Architectural Coating	Architectural Coating	6/16/2016	7/13/2016	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 135,249; Non-Residential Outdoor: 45,083 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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
Demolition	6	15.00	0.00	3,067.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	38.00	15.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
<b>Total</b>	<b>4.5083</b>	<b>48.3629</b>	<b>36.0738</b>	<b>0.0399</b>		<b>2.4508</b>	<b>2.4508</b>		<b>2.2858</b>	<b>2.2858</b>		<b>4,127.1934</b>	<b>4,127.1934</b>	<b>1.1188</b>		<b>4,150.6886</b>

### 3.2 Demolition - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4483	50.0867	33.6134	0.1149	2.6719	0.7776	3.4496	0.7316	0.7153	1.4469		11,696.6181	11,696.6181	0.0948		11,698.6080
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0575	0.0678	0.7416	1.5600e-003	0.1232	9.7000e-004	0.1242	0.0327	8.9000e-004	0.0336		135.0013	135.0013	7.0800e-003		135.1499
<b>Total</b>	<b>3.5058</b>	<b>50.1545</b>	<b>34.3550</b>	<b>0.1165</b>	<b>2.7952</b>	<b>0.7786</b>	<b>3.5737</b>	<b>0.7643</b>	<b>0.7162</b>	<b>1.4805</b>		<b>11,831.6194</b>	<b>11,831.6194</b>	<b>0.1018</b>		<b>11,833.7578</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	lb/day										lb/day					
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858	0.0000	4,127.1934	4,127.1934	1.1188		4,150.6886
<b>Total</b>	<b>4.5083</b>	<b>48.3629</b>	<b>36.0738</b>	<b>0.0399</b>		<b>2.4508</b>	<b>2.4508</b>		<b>2.2858</b>	<b>2.2858</b>	<b>0.0000</b>	<b>4,127.1934</b>	<b>4,127.1934</b>	<b>1.1188</b>		<b>4,150.6886</b>

### 3.2 Demolition - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4483	50.0867	33.6134	0.1149	2.6719	0.7776	3.4496	0.7316	0.7153	1.4469		11,696.6181	11,696.6181	0.0948		11,698.6080
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0575	0.0678	0.7416	1.5600e-003	0.1232	9.7000e-004	0.1242	0.0327	8.9000e-004	0.0336		135.0013	135.0013	7.0800e-003		135.1499
<b>Total</b>	<b>3.5058</b>	<b>50.1545</b>	<b>34.3550</b>	<b>0.1165</b>	<b>2.7952</b>	<b>0.7786</b>	<b>3.5737</b>	<b>0.7643</b>	<b>0.7162</b>	<b>1.4805</b>		<b>11,831.6194</b>	<b>11,831.6194</b>	<b>0.1018</b>		<b>11,833.7578</b>

### 3.3 Site Preparation - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412		4,111.7444	4,111.7444	1.2275		4,137.5225
<b>Total</b>	<b>5.2609</b>	<b>56.8897</b>	<b>42.6318</b>	<b>0.0391</b>	<b>18.0663</b>	<b>3.0883</b>	<b>21.1545</b>	<b>9.9307</b>	<b>2.8412</b>	<b>12.7719</b>		<b>4,111.7444</b>	<b>4,111.7444</b>	<b>1.2275</b>		<b>4,137.5225</b>

### 3.3 Site Preparation - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0814	0.8900	1.8700e-003	0.1479	1.1600e-003	0.1490	0.0392	1.0600e-003	0.0403		162.0015	162.0015	8.4900e-003		162.1798
<b>Total</b>	<b>0.0690</b>	<b>0.0814</b>	<b>0.8900</b>	<b>1.8700e-003</b>	<b>0.1479</b>	<b>1.1600e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0600e-003</b>	<b>0.0403</b>		<b>162.0015</b>	<b>162.0015</b>	<b>8.4900e-003</b>		<b>162.1798</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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412	0.0000	4,111.7444	4,111.7444	1.2275		4,137.5224
<b>Total</b>	<b>5.2609</b>	<b>56.8897</b>	<b>42.6318</b>	<b>0.0391</b>	<b>18.0663</b>	<b>3.0883</b>	<b>21.1545</b>	<b>9.9307</b>	<b>2.8412</b>	<b>12.7719</b>	<b>0.0000</b>	<b>4,111.7444</b>	<b>4,111.7444</b>	<b>1.2275</b>		<b>4,137.5224</b>

### 3.3 Site Preparation - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0690	0.0814	0.8900	1.8700e-003	0.1479	1.1600e-003	0.1490	0.0392	1.0600e-003	0.0403		162.0015	162.0015	8.4900e-003			162.1798
<b>Total</b>	<b>0.0690</b>	<b>0.0814</b>	<b>0.8900</b>	<b>1.8700e-003</b>	<b>0.1479</b>	<b>1.1600e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0600e-003</b>	<b>0.0403</b>		<b>162.0015</b>	<b>162.0015</b>	<b>8.4900e-003</b>			<b>162.1798</b>

### 3.4 Grading - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
<b>Total</b>	<b>6.7751</b>	<b>79.0467</b>	<b>50.8400</b>	<b>0.0618</b>	<b>8.6733</b>	<b>3.8022</b>	<b>12.4755</b>	<b>3.5965</b>	<b>3.4980</b>	<b>7.0945</b>		<b>6,486.2433</b>	<b>6,486.2433</b>	<b>1.9364</b>		<b>6,526.9080</b>

### 3.4 Grading - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0767	0.0904	0.9888	2.0800e-003	0.1643	1.2900e-003	0.1656	0.0436	1.1800e-003	0.0448		180.0017	180.0017	9.4300e-003			180.1998
<b>Total</b>	<b>0.0767</b>	<b>0.0904</b>	<b>0.9888</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.2900e-003</b>	<b>0.1656</b>	<b>0.0436</b>	<b>1.1800e-003</b>	<b>0.0448</b>		<b>180.0017</b>	<b>180.0017</b>	<b>9.4300e-003</b>			<b>180.1998</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	lb/day										lb/day						
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000	
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.2433	6,486.2433	1.9364			6,526.9080
<b>Total</b>	<b>6.7751</b>	<b>79.0467</b>	<b>50.8400</b>	<b>0.0618</b>	<b>8.6733</b>	<b>3.8022</b>	<b>12.4755</b>	<b>3.5965</b>	<b>3.4980</b>	<b>7.0945</b>	<b>0.0000</b>	<b>6,486.2433</b>	<b>6,486.2433</b>	<b>1.9364</b>			<b>6,526.9080</b>

### 3.4 Grading - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0767	0.0904	0.9888	2.0800e-003	0.1643	1.2900e-003	0.1656	0.0436	1.1800e-003	0.0448		180.0017	180.0017	9.4300e-003			180.1998
<b>Total</b>	<b>0.0767</b>	<b>0.0904</b>	<b>0.9888</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.2900e-003</b>	<b>0.1656</b>	<b>0.0436</b>	<b>1.1800e-003</b>	<b>0.0448</b>		<b>180.0017</b>	<b>180.0017</b>	<b>9.4300e-003</b>			<b>180.1998</b>

### 3.5 Building Construction - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748			2,703.7483
<b>Total</b>	<b>3.6591</b>	<b>30.0299</b>	<b>18.7446</b>	<b>0.0268</b>		<b>2.1167</b>	<b>2.1167</b>		<b>1.9904</b>	<b>1.9904</b>		<b>2,689.5771</b>	<b>2,689.5771</b>	<b>0.6748</b>			<b>2,703.7483</b>

### 3.5 Building Construction - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1771	1.6361	1.8223	3.5800e-003	0.0996	0.0268	0.1264	0.0284	0.0247	0.0531		362.1443	362.1443	3.1400e-003		362.2101
Worker	0.1457	0.1718	1.8788	3.9600e-003	0.3122	2.4500e-003	0.3146	0.0828	2.2500e-003	0.0851		342.0032	342.0032	0.0179		342.3796
<b>Total</b>	<b>0.3228</b>	<b>1.8079</b>	<b>3.7011</b>	<b>7.5400e-003</b>	<b>0.4117</b>	<b>0.0293</b>	<b>0.4410</b>	<b>0.1112</b>	<b>0.0269</b>	<b>0.1381</b>		<b>704.1475</b>	<b>704.1475</b>	<b>0.0211</b>		<b>704.5898</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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.5771	2,689.5771	0.6748		2,703.7483
<b>Total</b>	<b>3.6591</b>	<b>30.0299</b>	<b>18.7446</b>	<b>0.0268</b>		<b>2.1167</b>	<b>2.1167</b>		<b>1.9904</b>	<b>1.9904</b>	<b>0.0000</b>	<b>2,689.5771</b>	<b>2,689.5771</b>	<b>0.6748</b>		<b>2,703.7483</b>

### 3.5 Building Construction - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1771	1.6361	1.8223	3.5800e-003	0.0996	0.0268	0.1264	0.0284	0.0247	0.0531		362.1443	362.1443	3.1400e-003			362.2101
Worker	0.1457	0.1718	1.8788	3.9600e-003	0.3122	2.4500e-003	0.3146	0.0828	2.2500e-003	0.0851		342.0032	342.0032	0.0179			342.3796
<b>Total</b>	<b>0.3228</b>	<b>1.8079</b>	<b>3.7011</b>	<b>7.5400e-003</b>	<b>0.4117</b>	<b>0.0293</b>	<b>0.4410</b>	<b>0.1112</b>	<b>0.0269</b>	<b>0.1381</b>		<b>704.1475</b>	<b>704.1475</b>	<b>0.0211</b>			<b>704.5898</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>		<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>			<b>2,683.1890</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1565	1.4216	1.6686	3.5700e-003	0.0996	0.0215	0.1211	0.0284	0.0198	0.0482		357.8827	357.8827	2.7700e-003			357.9408
Worker	0.1328	0.1559	1.7001	3.9600e-003	0.3122	2.3400e-003	0.3145	0.0828	2.1500e-003	0.0850		330.0421	330.0421	0.0165			330.3894
<b>Total</b>	<b>0.2893</b>	<b>1.5775</b>	<b>3.3687</b>	<b>7.5300e-003</b>	<b>0.4117</b>	<b>0.0238</b>	<b>0.4356</b>	<b>0.1112</b>	<b>0.0219</b>	<b>0.1331</b>		<b>687.9248</b>	<b>687.9248</b>	<b>0.0193</b>			<b>688.3302</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	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>	<b>0.0000</b>	<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>			<b>2,683.1890</b>

### 3.5 Building Construction - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1565	1.4216	1.6686	3.5700e-003	0.0996	0.0215	0.1211	0.0284	0.0198	0.0482		357.8827	357.8827	2.7700e-003			357.9408
Worker	0.1328	0.1559	1.7001	3.9600e-003	0.3122	2.3400e-003	0.3145	0.0828	2.1500e-003	0.0850		330.0421	330.0421	0.0165			330.3894
<b>Total</b>	<b>0.2893</b>	<b>1.5775</b>	<b>3.3687</b>	<b>7.5300e-003</b>	<b>0.4117</b>	<b>0.0238</b>	<b>0.4356</b>	<b>0.1112</b>	<b>0.0219</b>	<b>0.1331</b>		<b>687.9248</b>	<b>687.9248</b>	<b>0.0193</b>			<b>688.3302</b>

### 3.6 Paving - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987			2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>2.0898</b>	<b>22.3859</b>	<b>14.8176</b>	<b>0.0223</b>		<b>1.2610</b>	<b>1.2610</b>		<b>1.1601</b>	<b>1.1601</b>		<b>2,316.3767</b>	<b>2,316.3767</b>	<b>0.6987</b>			<b>2,331.0495</b>

### 3.6 Paving - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0524	0.0615	0.6711	1.5600e-003	0.1232	9.2000e-004	0.1242	0.0327	8.5000e-004	0.0335		130.2798	130.2798	6.5300e-003			130.4169
<b>Total</b>	<b>0.0524</b>	<b>0.0615</b>	<b>0.6711</b>	<b>1.5600e-003</b>	<b>0.1232</b>	<b>9.2000e-004</b>	<b>0.1242</b>	<b>0.0327</b>	<b>8.5000e-004</b>	<b>0.0335</b>		<b>130.2798</b>	<b>130.2798</b>	<b>6.5300e-003</b>			<b>130.4169</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	lb/day										lb/day						
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601	0.0000	2,316.3767	2,316.3767	0.6987			2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>2.0898</b>	<b>22.3859</b>	<b>14.8176</b>	<b>0.0223</b>		<b>1.2610</b>	<b>1.2610</b>		<b>1.1601</b>	<b>1.1601</b>	<b>0.0000</b>	<b>2,316.3767</b>	<b>2,316.3767</b>	<b>0.6987</b>			<b>2,331.0495</b>

### 3.6 Paving - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0524	0.0615	0.6711	1.5600e-003	0.1232	9.2000e-004	0.1242	0.0327	8.5000e-004	0.0335		130.2798	130.2798	6.5300e-003			130.4169
<b>Total</b>	<b>0.0524</b>	<b>0.0615</b>	<b>0.6711</b>	<b>1.5600e-003</b>	<b>0.1232</b>	<b>9.2000e-004</b>	<b>0.1242</b>	<b>0.0327</b>	<b>8.5000e-004</b>	<b>0.0335</b>		<b>130.2798</b>	<b>130.2798</b>	<b>6.5300e-003</b>			<b>130.4169</b>

### 3.7 Architectural Coating - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	62.6879					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
<b>Total</b>	<b>63.0564</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>			<b>282.1449</b>

### 3.7 Architectural Coating - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003			69.5557
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>			<b>69.5557</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	lb/day										lb/day						
Archit. Coating	62.6879					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449
<b>Total</b>	<b>63.0564</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>			<b>282.1449</b>

### 3.7 Architectural Coating - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0280	0.0328	0.3579	8.3000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		69.4826	69.4826	3.4800e-003			69.5557
<b>Total</b>	<b>0.0280</b>	<b>0.0328</b>	<b>0.3579</b>	<b>8.3000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>69.4826</b>	<b>69.4826</b>	<b>3.4800e-003</b>			<b>69.5557</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9040	9.8260	47.8134	0.0824	5.4198	0.1253	5.5450	1.4467	0.1150	1.5617		7,379.6847	7,379.6847	0.3465		7,386.9613
Unmitigated	5.9040	9.8260	47.8134	0.0824	5.4198	0.1253	5.5450	1.4467	0.1150	1.5617		7,379.6847	7,379.6847	0.3465		7,386.9613

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Day-Care Center	1,000.00	0.00	0.00	841,164	841,164
Place of Worship	56.00	56.00	740.00	287,551	287,551
<b>Total</b>	<b>1,056.00</b>	<b>56.00</b>	<b>740.00</b>	<b>1,128,715</b>	<b>1,128,715</b>

### 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
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509603	0.073619	0.192430	0.134105	0.036943	0.005309	0.012459	0.020989	0.001832	0.002087	0.006541	0.000614	0.003471

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0265	0.2404	0.2020	1.4400e-003		0.0183	0.0183		0.0183	0.0183		288.4931	288.4931	5.5300e-003	5.2900e-003	290.2488
NaturalGas Unmitigated	0.0265	0.2404	0.2020	1.4400e-003		0.0183	0.0183		0.0183	0.0183		288.4931	288.4931	5.5300e-003	5.2900e-003	290.2488

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Day-Care Center	510.523	5.5100e-003	0.0501	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003		60.0616	60.0616	1.1500e-003	1.1000e-003	60.4271
Place of Worship	1941.67	0.0209	0.1904	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.4315	228.4315	4.3800e-003	4.1900e-003	229.8217
<b>Total</b>		<b>0.0265</b>	<b>0.2404</b>	<b>0.2019</b>	<b>1.4400e-003</b>		<b>0.0183</b>	<b>0.0183</b>		<b>0.0183</b>	<b>0.0183</b>		<b>288.4931</b>	<b>288.4931</b>	<b>5.5300e-003</b>	<b>5.2900e-003</b>	<b>290.2488</b>

### 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	lb/day										lb/day					
Place of Worship	1.94167	0.0209	0.1904	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.4315	228.4315	4.3800e-003	4.1900e-003	229.8217
Day-Care Center	0.510523	5.5100e-003	0.0501	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003		60.0616	60.0616	1.1500e-003	1.1000e-003	60.4271
<b>Total</b>		<b>0.0265</b>	<b>0.2404</b>	<b>0.2019</b>	<b>1.4400e-003</b>		<b>0.0183</b>	<b>0.0183</b>		<b>0.0183</b>	<b>0.0183</b>		<b>288.4931</b>	<b>288.4931</b>	<b>5.5300e-003</b>	<b>5.2900e-003</b>	<b>290.2488</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2793	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
Unmitigated	2.2793	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2600e-003	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
<b>Total</b>	<b>2.2793</b>	<b>6.1000e-004</b>	<b>0.0634</b>	<b>0.0000</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>0.1313</b>	<b>0.1313</b>	<b>3.8000e-004</b>		<b>0.1393</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2600e-003	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
<b>Total</b>	<b>2.2793</b>	<b>6.1000e-004</b>	<b>0.0634</b>	<b>0.0000</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>0.1313</b>	<b>0.1313</b>	<b>3.8000e-004</b>		<b>0.1393</b>

## 7.0 Water Detail

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## 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

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**WINTER**

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**7548 Emmanuel Faith Church**  
**San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	200.00	Student	7.10	30,055.00	0
Place of Worship	400.00	Seat	10.00	60,111.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2015
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - 90,166 sf new construction

17.1 acres grading

Demolition -

Vehicle Trips - LLG 2014 - Traffic Impact Analysis for the Emmanuel Faith Community Church. October 15, 2014

Solid Waste - Corrected values using Table 10.1

Architectural Coating - SDAPCD VOC content limit = 150 g/L

Area Coating - SDAPCD VOC content limit = 150 g/L

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	150
tblAreaCoating	Area_EF_Residential_Interior	250	150
tblLandUse	LandUseSquareFeet	11,304.57	30,055.00
tblLandUse	LandUseSquareFeet	20,202.02	60,111.00
tblLandUse	LotAcreage	0.26	7.10
tblLandUse	LotAcreage	0.46	10.00
tblProjectCharacteristics	OperationalYear	2014	2015
tblSolidWaste	SolidWasteGenerationRate	36.50	11.92
tblSolidWaste	SolidWasteGenerationRate	3,600.00	3.00
tblVehicleTrips	ST_TR	0.39	0.00
tblVehicleTrips	ST_TR	0.90	0.14
tblVehicleTrips	SU_TR	0.37	0.00
tblVehicleTrips	WD_TR	4.48	5.00
tblVehicleTrips	WD_TR	0.61	0.14

## 2.0 Emissions Summary

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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	lb/day										lb/day					
Area	2.2793	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
Energy	0.0265	0.2404	0.2020	1.4400e-003		0.0183	0.0183		0.0183	0.0183		288.4931	288.4931	5.5300e-003	5.2900e-003	290.2488
Mobile	6.4184	10.4191	53.1800	0.0784	5.4198	0.1266	5.5463	1.4467	0.1162	1.5629		7,022.8818	7,022.8818	0.3469		7,030.1656
<b>Total</b>	<b>8.7241</b>	<b>10.6601</b>	<b>53.4454</b>	<b>0.0799</b>	<b>5.4198</b>	<b>0.1451</b>	<b>5.5648</b>	<b>1.4467</b>	<b>0.1347</b>	<b>1.5814</b>		<b>7,311.5062</b>	<b>7,311.5062</b>	<b>0.3528</b>	<b>5.2900e-003</b>	<b>7,320.5537</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2793	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
Energy	0.0265	0.2404	0.2020	1.4400e-003		0.0183	0.0183		0.0183	0.0183		288.4931	288.4931	5.5300e-003	5.2900e-003	290.2488
Mobile	6.4184	10.4191	53.1800	0.0784	5.4198	0.1266	5.5463	1.4467	0.1162	1.5629		7,022.8818	7,022.8818	0.3469		7,030.1656
<b>Total</b>	<b>8.7241</b>	<b>10.6601</b>	<b>53.4454</b>	<b>0.0799</b>	<b>5.4198</b>	<b>0.1451</b>	<b>5.5648</b>	<b>1.4467</b>	<b>0.1347</b>	<b>1.5814</b>		<b>7,311.5062</b>	<b>7,311.5062</b>	<b>0.3528</b>	<b>5.2900e-003</b>	<b>7,320.5537</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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	1/28/2015	5	20	
2	Site Preparation	Site Preparation	1/29/2015	2/11/2015	5	10	
3	Grading	Grading	2/12/2015	3/25/2015	5	30	
4	Building Construction	Building Construction	3/26/2015	5/18/2016	5	300	
5	Paving	Paving	5/19/2016	6/15/2016	5	20	
6	Architectural Coating	Architectural Coating	6/16/2016	7/13/2016	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 135,249; Non-Residential Outdoor: 45,083 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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
Demolition	6	15.00	0.00	3,067.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	38.00	15.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
<b>Total</b>	<b>4.5083</b>	<b>48.3629</b>	<b>36.0738</b>	<b>0.0399</b>		<b>2.4508</b>	<b>2.4508</b>		<b>2.2858</b>	<b>2.2858</b>		<b>4,127.1934</b>	<b>4,127.1934</b>	<b>1.1188</b>		<b>4,150.6886</b>

### 3.2 Demolition - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	3.8400	51.7037	42.7831	0.1148	2.6719	0.7807	3.4526	0.7316	0.7181	1.4497		11,669.2913	11,669.2913	0.0959			11,671.3050
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0611	0.0761	0.7235	1.4700e-003	0.1232	9.7000e-004	0.1242	0.0327	8.9000e-004	0.0336		126.7906	126.7906	7.0800e-003			126.9392
<b>Total</b>	<b>3.9011</b>	<b>51.7798</b>	<b>43.5066</b>	<b>0.1163</b>	<b>2.7952</b>	<b>0.7816</b>	<b>3.5768</b>	<b>0.7643</b>	<b>0.7190</b>	<b>1.4832</b>		<b>11,796.0819</b>	<b>11,796.0819</b>	<b>0.1030</b>			<b>11,798.2442</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	lb/day										lb/day						
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858	0.0000	4,127.1934	4,127.1934	1.1188			4,150.6886
<b>Total</b>	<b>4.5083</b>	<b>48.3629</b>	<b>36.0738</b>	<b>0.0399</b>		<b>2.4508</b>	<b>2.4508</b>		<b>2.2858</b>	<b>2.2858</b>	<b>0.0000</b>	<b>4,127.1934</b>	<b>4,127.1934</b>	<b>1.1188</b>			<b>4,150.6886</b>

**3.2 Demolition - 2015****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8400	51.7037	42.7831	0.1148	2.6719	0.7807	3.4526	0.7316	0.7181	1.4497		11,669.2913	11,669.2913	0.0959		11,671.3050
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0611	0.0761	0.7235	1.4700e-003	0.1232	9.7000e-004	0.1242	0.0327	8.9000e-004	0.0336		126.7906	126.7906	7.0800e-003		126.9392
<b>Total</b>	<b>3.9011</b>	<b>51.7798</b>	<b>43.5066</b>	<b>0.1163</b>	<b>2.7952</b>	<b>0.7816</b>	<b>3.5768</b>	<b>0.7643</b>	<b>0.7190</b>	<b>1.4832</b>		<b>11,796.0819</b>	<b>11,796.0819</b>	<b>0.1030</b>		<b>11,798.2442</b>

**3.3 Site Preparation - 2015****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412		4,111.7444	4,111.7444	1.2275		4,137.5225
<b>Total</b>	<b>5.2609</b>	<b>56.8897</b>	<b>42.6318</b>	<b>0.0391</b>	<b>18.0663</b>	<b>3.0883</b>	<b>21.1545</b>	<b>9.9307</b>	<b>2.8412</b>	<b>12.7719</b>		<b>4,111.7444</b>	<b>4,111.7444</b>	<b>1.2275</b>		<b>4,137.5225</b>

### 3.3 Site Preparation - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0734	0.0913	0.8682	1.7600e-003	0.1479	1.1600e-003	0.1490	0.0392	1.0600e-003	0.0403		152.1487	152.1487	8.4900e-003			152.3270
<b>Total</b>	<b>0.0734</b>	<b>0.0913</b>	<b>0.8682</b>	<b>1.7600e-003</b>	<b>0.1479</b>	<b>1.1600e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0600e-003</b>	<b>0.0403</b>		<b>152.1487</b>	<b>152.1487</b>	<b>8.4900e-003</b>			<b>152.3270</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	lb/day										lb/day						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412	0.0000	4,111.744 4	4,111.744 4	1.2275			4,137.522 4
<b>Total</b>	<b>5.2609</b>	<b>56.8897</b>	<b>42.6318</b>	<b>0.0391</b>	<b>18.0663</b>	<b>3.0883</b>	<b>21.1545</b>	<b>9.9307</b>	<b>2.8412</b>	<b>12.7719</b>	<b>0.0000</b>	<b>4,111.744 4</b>	<b>4,111.744 4</b>	<b>1.2275</b>			<b>4,137.522 4</b>

### 3.3 Site Preparation - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0734	0.0913	0.8682	1.7600e-003	0.1479	1.1600e-003	0.1490	0.0392	1.0600e-003	0.0403		152.1487	152.1487	8.4900e-003			152.3270
<b>Total</b>	<b>0.0734</b>	<b>0.0913</b>	<b>0.8682</b>	<b>1.7600e-003</b>	<b>0.1479</b>	<b>1.1600e-003</b>	<b>0.1490</b>	<b>0.0392</b>	<b>1.0600e-003</b>	<b>0.0403</b>		<b>152.1487</b>	<b>152.1487</b>	<b>8.4900e-003</b>			<b>152.3270</b>

### 3.4 Grading - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000				0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364			6,526.9080
<b>Total</b>	<b>6.7751</b>	<b>79.0467</b>	<b>50.8400</b>	<b>0.0618</b>	<b>8.6733</b>	<b>3.8022</b>	<b>12.4755</b>	<b>3.5965</b>	<b>3.4980</b>	<b>7.0945</b>		<b>6,486.2433</b>	<b>6,486.2433</b>	<b>1.9364</b>			<b>6,526.9080</b>

### 3.4 Grading - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0815	0.1015	0.9647	1.9600e-003	0.1643	1.2900e-003	0.1656	0.0436	1.1800e-003	0.0448		169.0541	169.0541	9.4300e-003			169.2522
<b>Total</b>	<b>0.0815</b>	<b>0.1015</b>	<b>0.9647</b>	<b>1.9600e-003</b>	<b>0.1643</b>	<b>1.2900e-003</b>	<b>0.1656</b>	<b>0.0436</b>	<b>1.1800e-003</b>	<b>0.0448</b>		<b>169.0541</b>	<b>169.0541</b>	<b>9.4300e-003</b>			<b>169.2522</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	lb/day										lb/day						
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000	
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.2433	6,486.2433	1.9364			6,526.9080
<b>Total</b>	<b>6.7751</b>	<b>79.0467</b>	<b>50.8400</b>	<b>0.0618</b>	<b>8.6733</b>	<b>3.8022</b>	<b>12.4755</b>	<b>3.5965</b>	<b>3.4980</b>	<b>7.0945</b>	<b>0.0000</b>	<b>6,486.2433</b>	<b>6,486.2433</b>	<b>1.9364</b>			<b>6,526.9080</b>

### 3.4 Grading - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0815	0.1015	0.9647	1.9600e-003	0.1643	1.2900e-003	0.1656	0.0436	1.1800e-003	0.0448		169.0541	169.0541	9.4300e-003			169.2522
<b>Total</b>	<b>0.0815</b>	<b>0.1015</b>	<b>0.9647</b>	<b>1.9600e-003</b>	<b>0.1643</b>	<b>1.2900e-003</b>	<b>0.1656</b>	<b>0.0436</b>	<b>1.1800e-003</b>	<b>0.0448</b>		<b>169.0541</b>	<b>169.0541</b>	<b>9.4300e-003</b>			<b>169.2522</b>

### 3.5 Building Construction - 2015

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748			2,703.7483
<b>Total</b>	<b>3.6591</b>	<b>30.0299</b>	<b>18.7446</b>	<b>0.0268</b>		<b>2.1167</b>	<b>2.1167</b>		<b>1.9904</b>	<b>1.9904</b>		<b>2,689.5771</b>	<b>2,689.5771</b>	<b>0.6748</b>			<b>2,703.7483</b>

### 3.5 Building Construction - 2015

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.2051	1.6767	2.4176	3.5600e-003	0.0996	0.0271	0.1267	0.0284	0.0250	0.0534		359.3825	359.3825	3.2100e-003			359.4499
Worker	0.1549	0.1928	1.8329	3.7100e-003	0.3122	2.4500e-003	0.3146	0.0828	2.2500e-003	0.0851		321.2027	321.2027	0.0179			321.5792
<b>Total</b>	<b>0.3600</b>	<b>1.8695</b>	<b>4.2505</b>	<b>7.2700e-003</b>	<b>0.4117</b>	<b>0.0296</b>	<b>0.4413</b>	<b>0.1112</b>	<b>0.0272</b>	<b>0.1384</b>		<b>680.5852</b>	<b>680.5852</b>	<b>0.0211</b>			<b>681.0291</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	lb/day										lb/day						
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.5771	2,689.5771	0.6748			2,703.7483
<b>Total</b>	<b>3.6591</b>	<b>30.0299</b>	<b>18.7446</b>	<b>0.0268</b>		<b>2.1167</b>	<b>2.1167</b>		<b>1.9904</b>	<b>1.9904</b>	<b>0.0000</b>	<b>2,689.5771</b>	<b>2,689.5771</b>	<b>0.6748</b>			<b>2,703.7483</b>

### 3.5 Building Construction - 2015

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.2051	1.6767	2.4176	3.5600e-003	0.0996	0.0271	0.1267	0.0284	0.0250	0.0534		359.3825	359.3825	3.2100e-003			359.4499
Worker	0.1549	0.1928	1.8329	3.7100e-003	0.3122	2.4500e-003	0.3146	0.0828	2.2500e-003	0.0851		321.2027	321.2027	0.0179			321.5792
<b>Total</b>	<b>0.3600</b>	<b>1.8695</b>	<b>4.2505</b>	<b>7.2700e-003</b>	<b>0.4117</b>	<b>0.0296</b>	<b>0.4413</b>	<b>0.1112</b>	<b>0.0272</b>	<b>0.1384</b>		<b>680.5852</b>	<b>680.5852</b>	<b>0.0211</b>			<b>681.0291</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>		<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>			<b>2,683.1890</b>

### 3.5 Building Construction - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1810	1.4560	2.2457	3.5500e-003	0.0996	0.0217	0.1213	0.0284	0.0200	0.0484		355.1388	355.1388	2.8400e-003			355.1984
Worker	0.1408	0.1749	1.6516	3.7100e-003	0.3122	2.3400e-003	0.3145	0.0828	2.1500e-003	0.0850		309.9551	309.9551	0.0165			310.3024
<b>Total</b>	<b>0.3218</b>	<b>1.6309</b>	<b>3.8972</b>	<b>7.2600e-003</b>	<b>0.4117</b>	<b>0.0241</b>	<b>0.4358</b>	<b>0.1112</b>	<b>0.0221</b>	<b>0.1333</b>		<b>665.0940</b>	<b>665.0940</b>	<b>0.0194</b>			<b>665.5008</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	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620			2,683.1890
<b>Total</b>	<b>3.4062</b>	<b>28.5063</b>	<b>18.5066</b>	<b>0.0268</b>		<b>1.9674</b>	<b>1.9674</b>		<b>1.8485</b>	<b>1.8485</b>	<b>0.0000</b>	<b>2,669.2864</b>	<b>2,669.2864</b>	<b>0.6620</b>			<b>2,683.1890</b>

### 3.5 Building Construction - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1810	1.4560	2.2457	3.5500e-003	0.0996	0.0217	0.1213	0.0284	0.0200	0.0484		355.1388	355.1388	2.8400e-003			355.1984
Worker	0.1408	0.1749	1.6516	3.7100e-003	0.3122	2.3400e-003	0.3145	0.0828	2.1500e-003	0.0850		309.9551	309.9551	0.0165			310.3024
<b>Total</b>	<b>0.3218</b>	<b>1.6309</b>	<b>3.8972</b>	<b>7.2600e-003</b>	<b>0.4117</b>	<b>0.0241</b>	<b>0.4358</b>	<b>0.1112</b>	<b>0.0221</b>	<b>0.1333</b>		<b>665.0940</b>	<b>665.0940</b>	<b>0.0194</b>			<b>665.5008</b>

### 3.6 Paving - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987			2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>2.0898</b>	<b>22.3859</b>	<b>14.8176</b>	<b>0.0223</b>		<b>1.2610</b>	<b>1.2610</b>		<b>1.1601</b>	<b>1.1601</b>		<b>2,316.3767</b>	<b>2,316.3767</b>	<b>0.6987</b>			<b>2,331.0495</b>

### 3.6 Paving - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0556	0.0690	0.6519	1.4700e-003	0.1232	9.2000e-004	0.1242	0.0327	8.5000e-004	0.0335		122.3507	122.3507	6.5300e-003			122.4878
<b>Total</b>	<b>0.0556</b>	<b>0.0690</b>	<b>0.6519</b>	<b>1.4700e-003</b>	<b>0.1232</b>	<b>9.2000e-004</b>	<b>0.1242</b>	<b>0.0327</b>	<b>8.5000e-004</b>	<b>0.0335</b>		<b>122.3507</b>	<b>122.3507</b>	<b>6.5300e-003</b>			<b>122.4878</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	lb/day										lb/day						
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601	0.0000	2,316.3767	2,316.3767	0.6987			2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>2.0898</b>	<b>22.3859</b>	<b>14.8176</b>	<b>0.0223</b>		<b>1.2610</b>	<b>1.2610</b>		<b>1.1601</b>	<b>1.1601</b>	<b>0.0000</b>	<b>2,316.3767</b>	<b>2,316.3767</b>	<b>0.6987</b>			<b>2,331.0495</b>

### 3.6 Paving - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0556	0.0690	0.6519	1.4700e-003	0.1232	9.2000e-004	0.1242	0.0327	8.5000e-004	0.0335		122.3507	122.3507	6.5300e-003			122.4878
<b>Total</b>	<b>0.0556</b>	<b>0.0690</b>	<b>0.6519</b>	<b>1.4700e-003</b>	<b>0.1232</b>	<b>9.2000e-004</b>	<b>0.1242</b>	<b>0.0327</b>	<b>8.5000e-004</b>	<b>0.0335</b>		<b>122.3507</b>	<b>122.3507</b>	<b>6.5300e-003</b>			<b>122.4878</b>

### 3.7 Architectural Coating - 2016

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	62.6879					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
<b>Total</b>	<b>63.0564</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>			<b>282.1449</b>

### 3.7 Architectural Coating - 2016

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003			65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>			<b>65.3268</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	lb/day										lb/day						
Archit. Coating	62.6879					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449
<b>Total</b>	<b>63.0564</b>	<b>2.3722</b>	<b>1.8839</b>	<b>2.9700e-003</b>		<b>0.1966</b>	<b>0.1966</b>		<b>0.1966</b>	<b>0.1966</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0332</b>			<b>282.1449</b>

### 3.7 Architectural Coating - 2016

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0368	0.3477	7.8000e-004	0.0657	4.9000e-004	0.0662	0.0174	4.5000e-004	0.0179		65.2537	65.2537	3.4800e-003		65.3268
<b>Total</b>	<b>0.0296</b>	<b>0.0368</b>	<b>0.3477</b>	<b>7.8000e-004</b>	<b>0.0657</b>	<b>4.9000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.5000e-004</b>	<b>0.0179</b>		<b>65.2537</b>	<b>65.2537</b>	<b>3.4800e-003</b>		<b>65.3268</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.4184	10.4191	53.1800	0.0784	5.4198	0.1266	5.5463	1.4467	0.1162	1.5629		7,022.8818	7,022.8818	0.3469		7,030.1656
Unmitigated	6.4184	10.4191	53.1800	0.0784	5.4198	0.1266	5.5463	1.4467	0.1162	1.5629		7,022.8818	7,022.8818	0.3469		7,030.1656

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Day-Care Center	1,000.00	0.00	0.00	841,164	841,164
Place of Worship	56.00	56.00	740.00	287,551	287,551
<b>Total</b>	<b>1,056.00</b>	<b>56.00</b>	<b>740.00</b>	<b>1,128,715</b>	<b>1,128,715</b>

### 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
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509603	0.073619	0.192430	0.134105	0.036943	0.005309	0.012459	0.020989	0.001832	0.002087	0.006541	0.000614	0.003471

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0265	0.2404	0.2020	1.4400e-003		0.0183	0.0183		0.0183	0.0183		288.4931	288.4931	5.5300e-003	5.2900e-003	290.2488
NaturalGas Unmitigated	0.0265	0.2404	0.2020	1.4400e-003		0.0183	0.0183		0.0183	0.0183		288.4931	288.4931	5.5300e-003	5.2900e-003	290.2488

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Day-Care Center	510.523	5.5100e-003	0.0501	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003		60.0616	60.0616	1.1500e-003	1.1000e-003	60.4271
Place of Worship	1941.67	0.0209	0.1904	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.4315	228.4315	4.3800e-003	4.1900e-003	229.8217
<b>Total</b>		<b>0.0265</b>	<b>0.2404</b>	<b>0.2019</b>	<b>1.4400e-003</b>		<b>0.0183</b>	<b>0.0183</b>		<b>0.0183</b>	<b>0.0183</b>		<b>288.4931</b>	<b>288.4931</b>	<b>5.5300e-003</b>	<b>5.2900e-003</b>	<b>290.2488</b>

### 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	lb/day										lb/day					
Place of Worship	1.94167	0.0209	0.1904	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.4315	228.4315	4.3800e-003	4.1900e-003	229.8217
Day-Care Center	0.510523	5.5100e-003	0.0501	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003		60.0616	60.0616	1.1500e-003	1.1000e-003	60.4271
<b>Total</b>		<b>0.0265</b>	<b>0.2404</b>	<b>0.2019</b>	<b>1.4400e-003</b>		<b>0.0183</b>	<b>0.0183</b>		<b>0.0183</b>	<b>0.0183</b>		<b>288.4931</b>	<b>288.4931</b>	<b>5.5300e-003</b>	<b>5.2900e-003</b>	<b>290.2488</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2793	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
Unmitigated	2.2793	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2600e-003	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
<b>Total</b>	<b>2.2793</b>	<b>6.1000e-004</b>	<b>0.0634</b>	<b>0.0000</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>0.1313</b>	<b>0.1313</b>	<b>3.8000e-004</b>		<b>0.1393</b>

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2600e-003	6.1000e-004	0.0634	0.0000		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		0.1313	0.1313	3.8000e-004		0.1393
<b>Total</b>	<b>2.2793</b>	<b>6.1000e-004</b>	<b>0.0634</b>	<b>0.0000</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>		<b>0.1313</b>	<b>0.1313</b>	<b>3.8000e-004</b>		<b>0.1393</b>

### 7.0 Water Detail

## 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

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# NOISE

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**7548 Emmanuel Faith Church  
Construction Noise  
Industry**

Source name	Level				Corrections			
	Leq1	Leq2	Leq3	Lmax	Reference	Kwall	CI	CT
	dB(A)				dB(A)			
Phase 1—Parking Lot	105	-1000	-1000	0	Unit	0	0	0
Phase 1—Children's Building	114	-1000	-1000	0	Unit	0	0	0
Phase 2a—Youth Building	114	-1000	-1000	0	Unit	0	0	0
Phase 2a—Parking Lot	105	-1000	-1000	0	Unit	0	0	0
Phase 2b—High School	114	-1000	-1000	0	Unit	0	0	0
Phase 3a—Education Center	114	-1000	-1000	0	Unit	0	0	0
Phase 3b—Family Center/Maintenance	114	-1000	-1000	0	Unit	0	0	0
Phase 3b—Central Courtyard	105	-1000	-1000	0	Unit	0	0	0
Phase 4—Worship Center	114	-1000	-1000	0	Unit	0	0	0

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**7548 Emmanuel Faith Church  
Construction Noise  
Receivers**

No.	Receiver number	Bldg. side	Floor	Limit				Level without Noise Protection				Level with Noise Protection				Difference				Conflict			
				Leq1	Leq2	Leq3	Lmax	Leq1	Leq2	Leq3	Lmax	Leq1	Leq2	Leq3	Lmax	Leq1	Leq2	Leq3	Lmax	Leq1	Leq2	Leq3	Lmax
				dB(A)				dB(A)				dB(A)				dB(A)				dB(A)			
1	1		1. Floor	-	-	-	-	70.7	0	0	0	0	0	0	0	-70.7	0	0	0	-	-	-	-
2	2		1. Floor	-	-	-	-	70.1	0	0	0	0	0	0	0	-70.1	0	0	0	-	-	-	-
3	3		1. Floor	-	-	-	-	68.3	0	0	0	0	0	0	0	-68.3	0	0	0	-	-	-	-
4	4		1. Floor	-	-	-	-	66.7	0	0	0	0	0	0	0	-66.7	0	0	0	-	-	-	-
5	5		1. Floor	-	-	-	-	69.3	0	0	0	0	0	0	0	-69.3	0	0	0	-	-	-	-
6	6		1. Floor	-	-	-	-	70.4	0	0	0	0	0	0	0	-70.4	0	0	0	-	-	-	-
7	7		1. Floor	-	-	-	-	71.1	0	0	0	0	0	0	0	-71.1	0	0	0	-	-	-	-
8	8		1. Floor	-	-	-	-	69.8	0	0	0	0	0	0	0	-69.8	0	0	0	-	-	-	-
9	9		1. Floor	-	-	-	-	68	0	0	0	0	0	0	0	-68	0	0	0	-	-	-	-
10	10		1. Floor	-	-	-	-	66.4	0	0	0	0	0	0	0	-66.4	0	0	0	-	-	-	-
11	11		1. Floor	-	-	-	-	64.7	0	0	0	0	0	0	0	-64.7	0	0	0	-	-	-	-
12	12		1. Floor	-	-	-	-	64.5	0	0	0	0	0	0	0	-64.5	0	0	0	-	-	-	-
13	13		1. Floor	-	-	-	-	67.7	0	0	0	0	0	0	0	-67.7	0	0	0	-	-	-	-
14	14		1. Floor	-	-	-	-	68.3	0	0	0	0	0	0	0	-68.3	0	0	0	-	-	-	-
15	15		1. Floor	-	-	-	-	67.1	0	0	0	0	0	0	0	-67.1	0	0	0	-	-	-	-
16	16		1. Floor	-	-	-	-	65.5	0	0	0	0	0	0	0	-65.5	0	0	0	-	-	-	-
17	17		1. Floor	-	-	-	-	67.7	0	0	0	0	0	0	0	-67.7	0	0	0	-	-	-	-
18	18		1. Floor	-	-	-	-	66.7	0	0	0	0	0	0	0	-66.7	0	0	0	-	-	-	-
19	19		1. Floor	-	-	-	-	64.9	0	0	0	0	0	0	0	-64.9	0	0	0	-	-	-	-
20	20		1. Floor	-	-	-	-	63.1	0	0	0	0	0	0	0	-63.1	0	0	0	-	-	-	-
21	21		1. Floor	-	-	-	-	61.3	0	0	0	0	0	0	0	-61.3	0	0	0	-	-	-	-
22	22		1. Floor	-	-	-	-	61.2	0	0	0	0	0	0	0	-61.2	0	0	0	-	-	-	-
23	23		1. Floor	-	-	-	-	63.2	0	0	0	0	0	0	0	-63.2	0	0	0	-	-	-	-
24	24		1. Floor	-	-	-	-	67	0	0	0	0	0	0	0	-67	0	0	0	-	-	-	-

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Source name					Level without Noise Protection					Level with Noise Protection			
					Leq1	Leq2	Leq3	Lmax	Leq1	Leq2	Leq3	Lmax	
					dB(A)					dB(A)			
1	1.FI	70.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Phase 1 - Children's Building				53.9	0	0	0	0	0	0	0	0
	Phase 1 - Parking Lot				44.4	0	0	0	0	0	0	0	0
	Phase 2a - Parking Lot				54	0	0	0	0	0	0	0	0
	Phase 2a - Youth Building				66.1	0	0	0	0	0	0	0	0
	Phase 2b - High School				67.2	0	0	0	0	0	0	0	0
	Phase 3a - Education Center				60	0	0	0	0	0	0	0	0
	Phase 3b - Central Courtyard				48.4	0	0	0	0	0	0	0	0
	Phase 3b - Family Center/Maintenance				57	0	0	0	0	0	0	0	0
	Phase 4 - Worship Center				57.2	0	0	0	0	0	0	0	0
2	1.FI	70.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Phase 1 - Children's Building				53.9	0	0	0	0	0	0	0	0
	Phase 1 - Parking Lot				43.9	0	0	0	0	0	0	0	0
	Phase 2a - Parking Lot				57	0	0	0	0	0	0	0	0
	Phase 2a - Youth Building				67.3	0	0	0	0	0	0	0	0
	Phase 2b - High School				63.3	0	0	0	0	0	0	0	0
	Phase 3a - Education Center				59.4	0	0	0	0	0	0	0	0
	Phase 3b - Central Courtyard				47.9	0	0	0	0	0	0	0	0
	Phase 3b - Family Center/Maintenance				57.4	0	0	0	0	0	0	0	0
	Phase 4 - Worship Center				56.2	0	0	0	0	0	0	0	0
3	1.FI	68.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Phase 1 - Children's Building				53.6	0	0	0	0	0	0	0	0
	Phase 1 - Parking Lot				43.3	0	0	0	0	0	0	0	0
	Phase 2a - Parking Lot				57.9	0	0	0	0	0	0	0	0
	Phase 2a - Youth Building				65.2	0	0	0	0	0	0	0	0
	Phase 2b - High School				60.3	0	0	0	0	0	0	0	0
	Phase 3a - Education Center				58.3	0	0	0	0	0	0	0	0
	Phase 3b - Central Courtyard				47.2	0	0	0	0	0	0	0	0
	Phase 3b - Family Center/Maintenance				57.3	0	0	0	0	0	0	0	0
	Phase 4 - Worship Center				55.1	0	0	0	0	0	0	0	0
4	1.FI	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Phase 1 - Children's Building				53.3	0	0	0	0	0	0	0	0
	Phase 1 - Parking Lot				42.8	0	0	0	0	0	0	0	0
	Phase 2a - Parking Lot				56.6	0	0	0	0	0	0	0	0
	Phase 2a - Youth Building				62.9	0	0	0	0	0	0	0	0
	Phase 2b - High School				58.5	0	0	0	0	0	0	0	0
	Phase 3a - Education Center				57.3	0	0	0	0	0	0	0	0
	Phase 3b - Central Courtyard				46.5	0	0	0	0	0	0	0	0
	Phase 3b - Family Center/Maintenance				56.9	0	0	0	0	0	0	0	0
	Phase 4 - Worship Center				54.3	0	0	0	0	0	0	0	0
5	1.FI	69.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Phase 1 - Children's Building				54.7	0	0	0	0	0	0	0	0
	Phase 1 - Parking Lot				43.8	0	0	0	0	0	0	0	0
	Phase 2a - Parking Lot				62.7	0	0	0	0	0	0	0	0
	Phase 2a - Youth Building				65.3	0	0	0	0	0	0	0	0
	Phase 2b - High School				59.2	0	0	0	0	0	0	0	0
	Phase 3a - Education Center				59	0	0	0	0	0	0	0	0
	Phase 3b - Central Courtyard				48.1	0	0	0	0	0	0	0	0
	Phase 3b - Family Center/Maintenance				59.2	0	0	0	0	0	0	0	0
	Phase 4 - Worship Center				55.4	0	0	0	0	0	0	0	0
6	1.FI	70.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	Phase 1 - Children's Building				56.6	0	0	0	0	0	0	0	0
	Phase 1 - Parking Lot				45	0	0	0	0	0	0	0	0
	Phase 2a - Parking Lot				64.1	0	0	0	0	0	0	0	0
	Phase 2a - Youth Building				65.6	0	0	0	0	0	0	0	0
	Phase 2b - High School				59.1	0	0	0	0	0	0	0	0
	Phase 3a - Education Center				60.8	0	0	0	0	0	0	0	0
	Phase 3b - Central Courtyard				49.9	0	0	0	0	0	0	0	0
	Phase 3b - Family Center/Maintenance				62.3	0	0	0	0	0	0	0	0
	Phase 4 - Worship Center				56.5	0	0	0	0	0	0	0	0

Source name	Level without Noise Protection					Level with Noise Protection			
	Leq1	Leq2	Leq3	Lmax	Leq1	Leq2	Leq3	Lmax	
	dB(A)					dB(A)			
7	1.FI	71.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building									
Phase 1 - Parking Lot									
Phase 2a - Parking Lot									
Phase 2a - Youth Building									
Phase 2b - High School									
Phase 3a - Education Center									
Phase 3b - Central Courtyard									
Phase 3b - Family Center/Maintenance									
Phase 4 - Worship Center									
8	1.FI	69.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building									
Phase 1 - Parking Lot									
Phase 2a - Parking Lot									
Phase 2a - Youth Building									
Phase 2b - High School									
Phase 3a - Education Center									
Phase 3b - Central Courtyard									
Phase 3b - Family Center/Maintenance									
Phase 4 - Worship Center									
9	1.FI	68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building									
Phase 1 - Parking Lot									
Phase 2a - Parking Lot									
Phase 2a - Youth Building									
Phase 2b - High School									
Phase 3a - Education Center									
Phase 3b - Central Courtyard									
Phase 3b - Family Center/Maintenance									
Phase 4 - Worship Center									
10	1.FI	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building									
Phase 1 - Parking Lot									
Phase 2a - Parking Lot									
Phase 2a - Youth Building									
Phase 2b - High School									
Phase 3a - Education Center									
Phase 3b - Central Courtyard									
Phase 3b - Family Center/Maintenance									
Phase 4 - Worship Center									
11	1.FI	64.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building									
Phase 1 - Parking Lot									
Phase 2a - Parking Lot									
Phase 2a - Youth Building									
Phase 2b - High School									
Phase 3a - Education Center									
Phase 3b - Central Courtyard									
Phase 3b - Family Center/Maintenance									
Phase 4 - Worship Center									
12	1.FI	64.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building									
Phase 1 - Parking Lot									
Phase 2a - Parking Lot									
Phase 2a - Youth Building									
Phase 2b - High School									
Phase 3a - Education Center									
Phase 3b - Central Courtyard									
Phase 3b - Family Center/Maintenance									
Phase 4 - Worship Center									

Source name	Level without Noise Protection					Level with Noise Protection							
	Leq1	Leq2	Leq3	Lmax	Leq1	Leq2	Leq3	Lmax					
	dB(A)				dB(A)								
13	1.FI	67.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building													
Phase 1 - Parking Lot													
Phase 2a - Parking Lot													
Phase 2a - Youth Building													
Phase 2b - High School													
Phase 3a - Education Center													
Phase 3b - Central Courtyard													
Phase 3b - Family Center/Maintenance													
Phase 4 - Worship Center													
14	1.FI	68.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building													
Phase 1 - Parking Lot													
Phase 2a - Parking Lot													
Phase 2a - Youth Building													
Phase 2b - High School													
Phase 3a - Education Center													
Phase 3b - Central Courtyard													
Phase 3b - Family Center/Maintenance													
Phase 4 - Worship Center													
15	1.FI	67.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building													
Phase 1 - Parking Lot													
Phase 2a - Parking Lot													
Phase 2a - Youth Building													
Phase 2b - High School													
Phase 3a - Education Center													
Phase 3b - Central Courtyard													
Phase 3b - Family Center/Maintenance													
Phase 4 - Worship Center													
16	1.FI	65.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building													
Phase 1 - Parking Lot													
Phase 2a - Parking Lot													
Phase 2a - Youth Building													
Phase 2b - High School													
Phase 3a - Education Center													
Phase 3b - Central Courtyard													
Phase 3b - Family Center/Maintenance													
Phase 4 - Worship Center													
17	1.FI	67.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building													
Phase 1 - Parking Lot													
Phase 2a - Parking Lot													
Phase 2a - Youth Building													
Phase 2b - High School													
Phase 3a - Education Center													
Phase 3b - Central Courtyard													
Phase 3b - Family Center/Maintenance													
Phase 4 - Worship Center													
18	1.FI	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase 1 - Children's Building													
Phase 1 - Parking Lot													
Phase 2a - Parking Lot													
Phase 2a - Youth Building													
Phase 2b - High School													
Phase 3a - Education Center													
Phase 3b - Central Courtyard													
Phase 3b - Family Center/Maintenance													
Phase 4 - Worship Center													

Source name	Level without Noise Protection				Level with Noise Protection			
	Leq1	Leq2	Leq3	Lmax	Leq1	Leq2	Leq3	Lmax
	dB(A)				dB(A)			
19 1.FI 64.9 0.0 0.0	0.0	0.0	0.0	0.0				
Phase 1 - Children's Building	52.2	0	0	0	0	0	0	0
Phase 1 - Parking Lot	44.2	0	0	0	0	0	0	0
Phase 2a - Parking Lot	46	0	0	0	0	0	0	0
Phase 2a - Youth Building	56.7	0	0	0	0	0	0	0
Phase 2b - High School	60.9	0	0	0	0	0	0	0
Phase 3a - Education Center	56.3	0	0	0	0	0	0	0
Phase 3b - Central Courtyard	46	0	0	0	0	0	0	0
Phase 3b - Family Center/Maintenance	53.5	0	0	0	0	0	0	0
Phase 4 - Worship Center	56.6	0	0	0	0	0	0	0
20 1.FI 63.1 0.0 0.0	0.0	0.0	0.0	0.0				
Phase 1 - Children's Building	50.9	0	0	0	0	0	0	0
Phase 1 - Parking Lot	42.7	0	0	0	0	0	0	0
Phase 2a - Parking Lot	45.1	0	0	0	0	0	0	0
Phase 2a - Youth Building	55.5	0	0	0	0	0	0	0
Phase 2b - High School	58.6	0	0	0	0	0	0	0
Phase 3a - Education Center	54.6	0	0	0	0	0	0	0
Phase 3b - Central Courtyard	44.4	0	0	0	0	0	0	0
Phase 3b - Family Center/Maintenance	52.3	0	0	0	0	0	0	0
Phase 4 - Worship Center	54.6	0	0	0	0	0	0	0
21 1.FI 61.3 0.0 0.0	0.0	0.0	0.0	0.0				
Phase 1 - Children's Building	49.5	0	0	0	0	0	0	0
Phase 1 - Parking Lot	40.8	0	0	0	0	0	0	0
Phase 2a - Parking Lot	44.6	0	0	0	0	0	0	0
Phase 2a - Youth Building	54.5	0	0	0	0	0	0	0
Phase 2b - High School	56.2	0	0	0	0	0	0	0
Phase 3a - Education Center	52.8	0	0	0	0	0	0	0
Phase 3b - Central Courtyard	42.7	0	0	0	0	0	0	0
Phase 3b - Family Center/Maintenance	51.1	0	0	0	0	0	0	0
Phase 4 - Worship Center	52.3	0	0	0	0	0	0	0
22 1.FI 61.2 0.0 0.0	0.0	0.0	0.0	0.0				
Phase 1 - Children's Building	49.5	0	0	0	0	0	0	0
Phase 1 - Parking Lot	40.4	0	0	0	0	0	0	0
Phase 2a - Parking Lot	45.3	0	0	0	0	0	0	0
Phase 2a - Youth Building	55	0	0	0	0	0	0	0
Phase 2b - High School	55.9	0	0	0	0	0	0	0
Phase 3a - Education Center	52.8	0	0	0	0	0	0	0
Phase 3b - Central Courtyard	42.5	0	0	0	0	0	0	0
Phase 3b - Family Center/Maintenance	51.2	0	0	0	0	0	0	0
Phase 4 - Worship Center	51.8	0	0	0	0	0	0	0
23 1.FI 63.2 0.0 0.0	0.0	0.0	0.0	0.0				
Phase 1 - Children's Building	50.6	0	0	0	0	0	0	0
Phase 1 - Parking Lot	41.5	0	0	0	0	0	0	0
Phase 2a - Parking Lot	47.4	0	0	0	0	0	0	0
Phase 2a - Youth Building	57.3	0	0	0	0	0	0	0
Phase 2b - High School	58.2	0	0	0	0	0	0	0
Phase 3a - Education Center	54.5	0	0	0	0	0	0	0
Phase 3b - Central Courtyard	44	0	0	0	0	0	0	0
Phase 3b - Family Center/Maintenance	52.7	0	0	0	0	0	0	0
Phase 4 - Worship Center	53.2	0	0	0	0	0	0	0
24 1.FI 67.0 0.0 0.0	0.0	0.0	0.0	0.0				
Phase 1 - Children's Building	52.5	0	0	0	0	0	0	0
Phase 1 - Parking Lot	43.3	0	0	0	0	0	0	0
Phase 2a - Parking Lot	50.7	0	0	0	0	0	0	0
Phase 2a - Youth Building	61.4	0	0	0	0	0	0	0
Phase 2b - High School	63.1	0	0	0	0	0	0	0
Phase 3a - Education Center	57.5	0	0	0	0	0	0	0
Phase 3b - Central Courtyard	46.4	0	0	0	0	0	0	0
Phase 3b - Family Center/Maintenance	55	0	0	0	0	0	0	0
Phase 4 - Worship Center	55.6	0	0	0	0	0	0	0



Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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