Addendum for the

Los Angeles Mission College 2018 Facility Master Plan Update and Student Services Building

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SECTION 1.0 INTRODUCTION

1.1 PURPOSE FOR THIS ADDENDUM

This document (referred to herein as the "Addendum") is an Addendum to the *Los Angeles Mission College Facilities Master Plan Final Program Environmental Impact Report* (PEIR) that was certified by the Los Angeles Community College District (LACCD) in January 2007 (State Clearinghouse [SCH] No. 2002091071) (referred to herein as the "2007 PEIR") (LACCD 2007); the *Los Angeles Mission College 2009 Facilities Master Plan Subsequent Environmental Impact Report* certified by the LACCD in November 2009 (also SCH No. 2002091071) (referred to herein as the "2009 SEIR") (LACCD 2009a) and the other documents summarized in Section 1.3 below and incorporated by reference herein (collectively, the "Previous Environmental Documentation"). This Addendum is prepared pursuant to the California Environmental Quality Act, California *Public Resources Code* (PRC) Section 21000 et seq. (CEQA), and the State CEQA Guidelines (California Code of Regulations [CCR], Title 14, Section 15000 et seq. ["CEQA Guidelines"]).

The Previous Environmental Documentation and this Addendum serve as the environmental review for the proposed Los Angeles Mission College (LAMC) 2018 Facility Master Plan Update (Modified Project), which involves re-activation of the Student Services building at a site in the northwest quadrant of the intersection of Pasha Street and Eldridge Avenue (Site). The LAMC 2007 Facilities Master Plan (2007 Master Plan) and 2007 PEIR addressed a 2-level (39,000 square foot [sf]) Student Services building at the same Site, with a land area of 84,014 sf. The LAMC 2009 Facilities Master Plan (2009 Master Plan) and 2009 SEIR addressed a 3-level (55,000 sf) Student Services building at the same Site and with the same land area. The LAMC 2014 Facility Master Plan Update (2014 Master Plan Update) deferred construction of the Student Services building, among other actions; an Addendum was prepared for the 2014 Master Plan Update (LACCD 2014).

As further described in Section 2.3 of this Addendum, the currently proposed Student Services building is 3-levels and 64,000 sf, representing an increase of 9,000 sf compared to the building analyzed in the 2009 SEIR. This Addendum assesses the potential environmental impacts associated with implementation of the Modified Project, as compared to the analysis presented in the Previous Environmental Documentation, as applicable. The Modified Project does not revise the projected LAMC campus enrollment of 15,000 students.

1.2 BASIS FOR ADDENDUM

Section 15164 of the CEQA Guidelines states: "The lead agency or responsible agency shall prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in Section 15162 calling for the preparation of a subsequent EIR have occurred". Pursuant to Section 15162 of the CEQA Guidelines, no subsequent EIR may be required for a project unless the City determines, on the basis of substantial evidence, that one or more of the following conditions are met:

A. When an EIR has been certified or a negative declaration adopted for a project, no subsequent EIR shall be prepared for that project unless the lead agency determines, on the basis of substantial evidence in the light of the whole record, one or more of the following:

   (1) Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

(2) Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

(3) New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted, shows any of the following:

(a) The project would have one or more significant effects not discussed in the previous EIR or negative declaration;

(b) Significant effects previously examined would be substantially more severe than shown in the previous EIR;

(c) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or

(d) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

As described below and detailed in Section 3 of this Addendum, the LACCD has determined that none of the conditions listed above have occurred. Specifically, no new significant impacts will result from implementation of the Modified Project, which includes re-activation of the Student Services building, compared to the previously-analyzed impacts. Nor are there any substantial increases in the severity of significant environmental impacts identified in the Previous Environmental Documentation. The impacts would be the same as or similar to the impacts resulting from the previously approved and analyzed Master Plans, which included development of the Student Services building. Applicable feasible mitigation measures identified in the 2009 SEIR, which incorporates mitigation measures from the 2007 PEIR, would be incorporated into the resolutions approving the Modified Project. However, because some changes or additions to the Previous Environmental Documentation are necessary to address the Modified Project, an Addendum is the appropriate level of environmental review.

1.3 PREVIOUS APPROVALS AND ENVIRONMENTAL DOCUMENTATION

This Addendum addresses the proposed 2018 Master Plan Update, and specifically the construction and operation of the re-activated Student Services building. The following summary focuses on approvals and corresponding environmental documentation relevant to the Modified Project. In taking action on the Modified Project, as described in Section 2.0 of this Addendum, the decision-making body must consider the whole of the data presented in the 2007 PEIR and 2009 SEIR, and associated Addendum. The following documents are available for public review at the LAMC Library.

- **Los Angeles Mission College Facilities Master Plan Final Program Environmental Impact Report (Volumes 1-3), January 2007 (SCH No. 2002091071).** The Program Environmental Impact Report analyzed the impacts related to approval and implementation of the 2007 Master Plan for the long-term development of the LAMC campus, composed of the Main Campus and the Harding Street site. The 2007 Master

Plan involved the development of 350,000 sf of permanent instructional and support facilities to serve the anticipated enrollment growth through 2015 (anticipated enrollment of 15,000 students). The proposed development included eight new buildings (including the Student Services building) and additional parking. The 2007 PEIR concluded that development pursuant to the 2007 Master Plan would result in unavoidable significant impacts for the following environmental issues: Aesthetics (Harding Street site), Air Quality (construction-related and operations), Land Use (conflict with City zoning that is not applicable to the use of LACCD property for classroom purposes), Noise (construction-related), and Transportation/Traffic.

- **Los Angeles Mission College 2009 Facilities Master Plan Subsequent Environmental Impact Report, November 2009 (SCH No. 2002091071).** The 2009 SEIR was prepared to assess potential impacts from implementation of the 2009 Master Plan, which included the previously approved 2007 Master Plan improvements and the following additional improvements: (1) new buildings (temporary and permanent) proposed on the 1.1-acre Nursery Property located along Hubbard Street, directly west of the Main Campus; (2) streetscape/pathway improvements along Eldridge Avenue between the Main Campus and East Campus; and (3) development of athletic fields on two vacant parcels, one owned by LACCD (approximately 6.4 acres) and the other by the U.S. Army Corps of Engineers (ACOE) (approximately 8.2 acres), as an addition to the East Campus. The 2009 Master Plan retained the Student Services building and maintained the projected campus enrollment of 15,000 students. Because the LACCD approved construction of the Student Services building under the 2007 Master Plan, it was not subject to re-approval under the 2009 Master Plan. The 2009 SEIR concluded that development pursuant to the 2009 Master Plan would result in unavoidable significant impacts for the following environmental issues: Aesthetics (athletics fields), Air Quality (construction), Greenhouse Gas emissions, Noise (construction-related), and Transportation/Traffic.
- **Environmental Documentation for the Los Angeles Mission College 2014 Facility Master Plan Update, July 2015.** The 2014 Master Plan Update deferred the following development assumed in the 2009 Master Plan: Nursery Property, Athletic Fields at the East Campus, Student Services building, Plant Facilities project, and streetscape/pathway improvements along Eldridge Avenue. The 2014 Facility Master Plan Update also revised the scope of the Central Plant project (reduced from 26,000 sf to 2,400 sf) and transferred the scope of the Education Building project. The projected campus enrollment of 15,000 students did not change. A Notice of Exemption was approved by the LACCD in July 2015 to address the deferral of previously approved projects and associated reduction in anticipated development on campus (reduction of 83,897 sf and 13 acres for the athletic fields). These actions were determined to be exempt from CEQA. An Addendum was approved by the LACCD also in July 2015 to address the elimination or modification of traffic mitigation measures in the 2009 SEIR due to the reduction in planned development on campus. It was concluded that the changes in mitigation would not create new significant environmental impacts or substantially increase the severity of a significant environmental impact disclosed in the 2009 SEIR.

It should be noted that the Los Angeles Mission College Facilities Master Plan Final Program EIR Addendum approved by the LACCD in July 2009 was prepared to assess any substantial changes in environmental impacts and/or mitigation measures that would occur as a result of proposed minor modifications to the approved 2007 Master Plan. These modifications included: the elimination of Buildings No. 5 and Building No. 6 and consolidation of these buildings on the East Campus, replacement of Underground Parking Structure B1 with surface parking, elimination of the extension of Eldridge Avenue through the East Campus from Harding Street to Maclay Street and improvement of the Harding Street connection, and the reorganization of the East Campus

area. These minor modifications are not applicable to the Student Services building and no further discussion of this Addendum is required.

Much of the development at the LAMC campus anticipated by the previously approved Master Plans has been completed, or is under construction. Table 1-1 provides a summary status of projects that were identified in the 2014 Master Plan Update.

TABLE 1-1
STATUS OF 2014 FACILITY MASTER PLAN UPDATE PROJECTS

Project	Size/Description	Status Change Since 2014
Media Arts (Arts, Media and Performance)	53,400 sf (3 levels)	Construction completed in 2017
Modular Plant/Fuel Cell	Utility infrastructure and equipment	Construction to be initiated in May 2018 and completed September 2019
New Plant Facilities Building	25,000 sf (2-levels)	No change (deferred)
Student Services Building	55,000 sf (3-levels)	64,000 sf (3-levels)
West-of-Hubbard Property (former Nursery Property)	20,000 sf (1-level)	No change (deferred)
Athletic Fields	Approximately 13 acres added to the East Campus	No change (deferred)
Pedestrian Access Improvements	Approximately 0.3-mile pathway between the East Campus and Parking Structure A on the Main Campus	No change (deferred)
Traffic Mitigation	Various intersection improvements and a Neighborhood Traffic Management Plan	No change (pending)

SECTION 2.0 PROJECT DESCRIPTION

2.1 PROJECT LOCATION

The Los Angles Mission College (LAMC) campus is composed of three sites in the community of Sylmar, in the City of Los Angeles: the approximately 22.5-acre LAMC Main Campus located at 13356 Eldridge Avenue, the approximately 9.5-acre East Campus located at 12890 Harding Street, and the approximately 1.1-acre West-of-Hubbard property (formerly referred to as the "Nursery Property") located at 13211 Hubbard Street. The Main Campus is bound by Hubbard Street to the northwest, Eldridge Avenue to the southwest; El Cariso Golf Course to the southeast, and Lexicon Avenue to the northeast. The East Campus is bound by Harding Street to the north; Cranston Avenue to the west; Kismet Avenue to the southeast; and Maclay Street to the east. The Hubbard Street Nursery site is located along Hubbard Street, west of the Main Campus, between Eldridge Avenue and Lexicon Avenue. The LAMC campus boundaries are shown on Exhibit 2-1.

The proposed Student Services building site (Site) is located at the Main Campus between the existing Instructional/Administration Building and Parking Structure A, north of the intersection of Eldridge Avenue and Pasha Street.

Regional access to the LAMC campus is provided via Interstate (I)-210, which is approximately 1-mile southwest of the campus. Local vehicular access is provided to the Site from Eldridge Avenue. The local vicinity and regional location of the LAMC campus and the Site are depicted on Exhibit 2-1.

2.2 ENVIRONMENTAL SETTING

2.2.1 LOS ANGELES MISSION COLLEGE CAMPUS

The LAMC campus is located within predominantly single-family, low-density residential areas, with adjacent parks and golf course uses, and schools, churches, and some neighborhood commercial businesses in the vicinity. The El Cariso Community Regional County Park is located directly to the northeast of the Main Campus and El Cariso County Golf Course is located to the southeast. The Sylmar Independent Baseball League (SIBL) fields are also located northeast of the County recreation areas. The Angeles National Forest is located approximately one-mile north and east of the Site.

As previously identified in Section 1.3, LAMC Facility Master Plans and Master Plan Updates have been prepared to guide the orderly development of instructional and support facilities to accommodate the projected enrollment at the campus (15,000 students). In the fall of 2018, approximately 11,850 students were enrolled at LAMC. Existing development at the LAMC campus consists of approximately 384,920 square feet (sf) of instructional and support facilities housed in permanent and temporary structures. Additionally, 1,264 parking spaces are provided in various surface parking lots and Parking Structure A on the Main Campus. There are an additional 331 surface spaces on the East Campus, 194 street parking spaces along the north side of Eldridge Avenue, and 80 spaces on the south side of Eldridge Ave. Exhibit 2-2 depicts the existing and previously approved conditions at the Main Campus.

It should also be noted that while the East Campus has been developed with the Health, Fitness and Athletics Complex and Center for Math and Science, the West-of-Hubbard property remains undeveloped. The West-of-Hubbard property is currently being used for temporary materials storage during the Central Plant Project.

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Regional Location and Local Vicinity

Exhibit 2-1

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

N W E S

1,000 500 0 1,000 Feet

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1 Child Development Center
2 Central Plant
3 Family & Consumer Studies
4 Media Arts
5 Temporary Portables
6 Collaborative Studies
7 Campus Services
9 Library / Learning Resource Center
10 Campus Center
11 Instructional / Administration
12 Parking Structure A
13 Amphitheatre
14 West-of-Hubbard Property
15 Existing Arroyos
16 Dry-Bed Arroyos

1 Child Development Center
2 Central Plant
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12 Parking Structure A
13 Amphitheatre
14 West-of-Hubbard Property
15 Existing Arroyos
16 Dry-Bed Arroyos

Existing / Previously Approved

Re-activated Construction

Source: BuildLACCD 2018

Existing and Proposed LAMC Master Plans

Exhibit 2-2

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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2.2.2 STUDENT SERVICES BUILDING SITE

The Site encompasses 73,750 sf (approximately 1.7 acres), compared to 84,104 sf assumed in the Previous Environmental Documentation. The Site is currently occupied by 13 portable structures. Of these, 10 structures (960 sf each) are not being used, 1 structure (960 sf) is being used for General Education Diploma (GED) classes, 1 structure (1,920 sf) is being used for a Sheriff Station, and 1 structure (480 sf) is a restroom facility.

The Site is surrounded by on-campus uses to the north (Media Arts Center), west (instruction and administration uses, and east (Parking Structure A). Parking Structure A is a 3-level structure with four-levels of parking (includes roof parking). There are off-campus one-story single family-residential uses south of the Site (south of Eldridge Avenue); walls and fences of various heights provide a buffer between the homes and Eldridge Avenue. On-street parking and sidewalks are provided along both sides of Eldridge Avenue.

The topography of the Site is generally flat, with elevations ranging from approximately 1,365 feet above mean sea level (amsl) at the south corner to 1,375 feet amsl at the north corner. Based on exploratory borings conducted at the Site, the Site is underlain by approximately 10 feet of artificial fill materials, which are underlain by native materials consisting predominantly of sands and gravels with silty and clayey components (HAI 2010). Currently, storm water sheet flows from the Site to the south (to Eldridge Avenue). Groundwater was not encountered in borings drilled to depths of up to 71.5 feet. The historic highest groundwater depth at the Site is more than 100 feet below the ground surface (HAI 2010). Existing utility infrastructure is located in the vicinity of the Site.

The Site does not support any native habitat types. There are various trees that occur in a landscaped environment combined with turf grass and associated weedy herbaceous species. The trees that occur on the Site are a combination of native and non-native trees, as further described in Section 3.3, Biological Resources, of this Addendum.

2.3 PROJECT DESCRIPTION

The Modified Project is proposed to re-activate the Student Services building, which was previously deferred in the LAMC 2014 Facility Master Plan Update (2014 Master Plan Update) (refer to Exhibit 2-2). The location and physical impact area of the Student Services building is the same as anticipated in the 2007 and 2009 Master Plans and analyzed in the *Los Angeles Mission College Facilities Master Plan Final Program Environmental Impact Report* (2007 PEIR), and the *Los Angeles Mission College 2009 Facilities Master Plan Subsequent Environmental Impact Report* (2009 SEIR). However, the 2007 PEIR assumed the Student Services building would be approximately 39,000 sf (2-levels), and the 2009 SEIR assumed the building would be 55,000 sf (3-levels). Therefore, the currently proposed 64,000 sf (3-level) Student Services building would increase the previously anticipated building area by approximately 9,000 sf. It should be noted that the previously approved dry-bed arroyo between the Student Services building and Eldridge Avenue would be constructed concurrently with the Student Services building; however, no changes to this feature are proposed and no further analysis is required in this Addendum.

No other revisions to previous Master Plan documents are proposed and the status of projects previously presented in Table 1 remains the same. Notably, the Modified Project does not involve any changes to the projected campus enrollment, which was anticipated to be 15,000 students in the 2007 and 2009 Master Plans, evaluated in the 2007 PEIR, the 2009 SEIR, and the Environmental Documentation for the Los Angeles Mission College 2014 Facility Master Plan Update.

The proposed Student Services building, as described below and analyzed in this Addendum, would serve as a new gateway building for the Main Campus with a new public entry along Eldridge Avenue. The building would house campus student services and administrative functions that are currently dispersed throughout the campus, including admission and records; financial aid; bursar; assessment and orientation; services for disabled, veteran and international students; human resources; and the College President's office.

2.3.1 PHYSICAL CHARACTERISTICS

Building Design

As described above, the proposed Student Services building would be 3-levels and approximately 64,000 sf. The conceptual site plan is presented on Exhibit 2-3, conceptual building elevations are presented on Exhibits 2-4a and 2-4b, and conceptual renderings are presented on Exhibit 2-5. The building would be approximately 46-feet 6-inches high at the top of parapet. Exterior building materials would primarily consist of concrete, steel, stucco, and glazed windows.

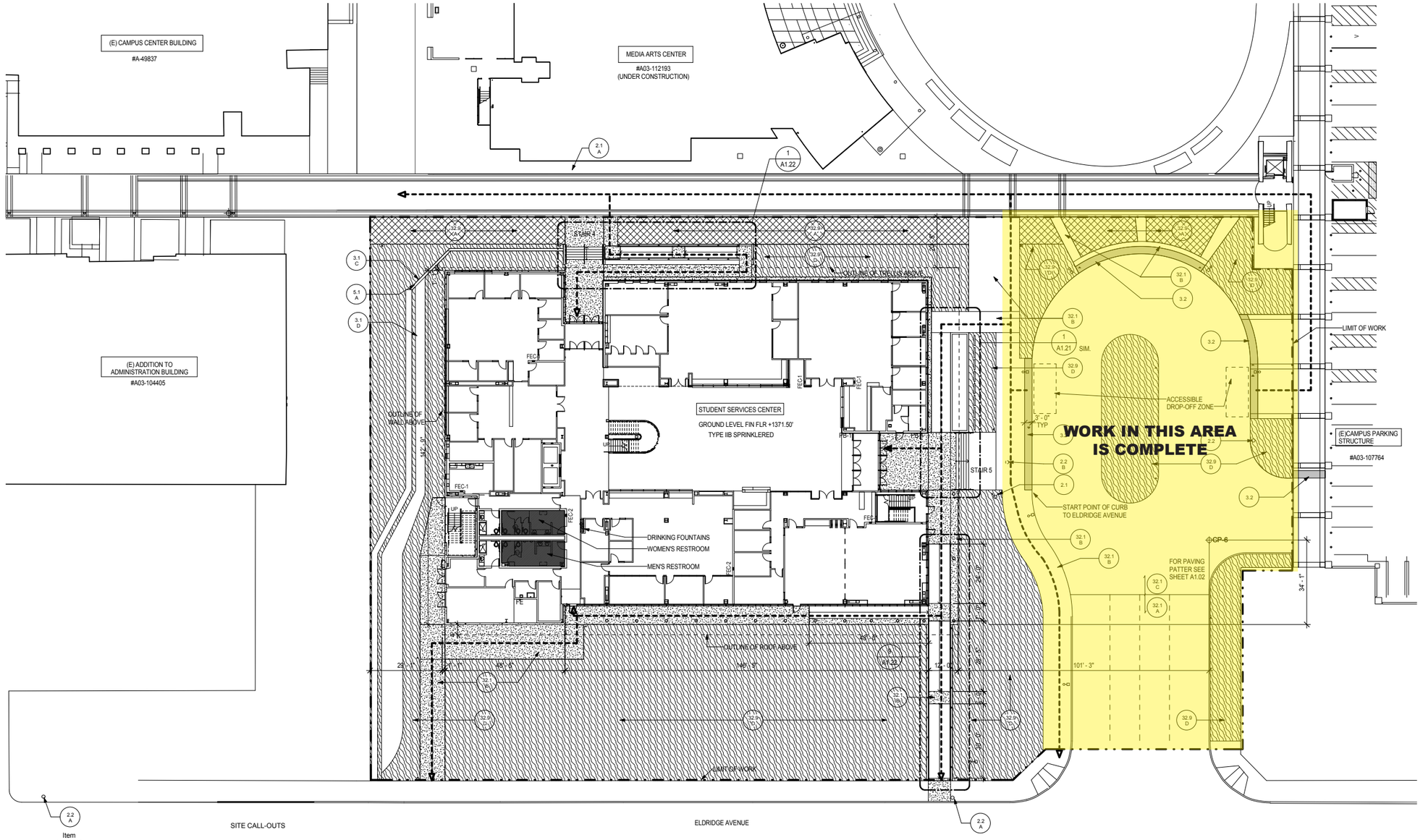
The proposed Student Services building would comply with the LACCD Sustainability Standards. Leadership in Energy and Environmental Design (LEED™) is a green building rating system that contains prerequisites and credits in five areas: (1) environmentally sensitive site planning; (2) water conservation; (3) energy efficiency; (4) conservation of materials and resources; and (5) indoor air quality. The LACCD requires that new buildings and major renovations be minimally LEED "certified". The proposed Student Services building has been designed to attempt to achieve a minimum LEED™ Gold for New Construction rating. Further, per the LACCD Sustainability Standards for new construction, the energy performance goals for the building would be 20 percent over Title 24 requirements. Additionally, at least 15 percent of the building's energy use would be supplemented by renewable energy (a minimum of 10 percent from on-site sources). This goal would be met by the installation of photovoltaic panels on the building roof.

Pedestrian Circulation/Accessibility

The proposed Student Services building does not include vehicular access or parking; there are existing parking facilities in the vicinity of the Site, including Parking Structure A to the east and on-street parking along Eldridge Avenue. Pedestrian access to the Site would be provided from new pathways that would connect to existing sidewalks/pathways surrounding the Site to the north, south (along Eldridge Avenue) and east. The Site is also easily accessible for individuals walking to/from Parking Structure A. Fire department access is provided to the Site from surrounding roadways and pathways. The conceptual circulation plan for the Main Campus, including the Site, is provided on Exhibit 2-6.

Landscape and Exterior Lighting

Implementation of the proposed Student Services building would require the removal of existing trees located at the Site; however, the landscape design for the proposed Student Services building would consist of various species of trees, shrubs and groundcover. Additionally, the previously approved dry-bed arroyo south of the Site (between the proposed Student Services building and Eldridge Avenue) would be installed concurrently with the Student Services building. In addition to the storm water management function this would serve, as discussed below, the dry-bed arroyo would provide a visual design feature and physical link between the Site and other features on campus. Exhibit 2-7 provides a conceptual landscape plan for the Site and demonstrates the physical connection to other dry-bed arroyos in the vicinity.



2.1	FIRE DEPARTMENT CONNECTION - SEE CIVIL DWG SHT C2.01
2.1 A	FIRE DEPARTMENT CONNECTION (EXIST)
2.2	FIRE HYDRANT TO CONNECT TO EXIST BELOW-GRADE PIPING - SEE CIVIL DWG SHT C2.02 & SITE NOTES
2.2 A	FIRE HYDRANT (EXISTING)
2.2 B	FIRE HYDRANT (E) TO BE RELOCATED
3.1 A	C.I.P. CONCRETE STAIRS
3.1 B	C.I.P. CONCRETE RAMP - 1:12 MAX SLOPE
3.1 C	C.I.P. CONCRETE WALL - SEE CIVIL SHT C2.01 AND STRUCT DWGS
3.1 D	C.I.P. CONCRETE CURB AND GUTTER - SEE CIVIL SHT C2.01
3.2	DETECTABLE WARNING SURFACE
5.1 A	ST. STL. HANDRAIL
32.1 A	ASPHALT PAVING
32.1 B	CONCRETE PAVING
32.1 C	CONCRETE PAVING - DECORATIVE
32.9 A	TURF BLOCK - SEE CIVIL & LANDSCAPE DWGS
32.9 D	PLANTING - SEE CIVIL & LANDSCAPE DWGS

LEGEND:

- LANDSCAPE AREA - REFER TO LANDSCAPE DRAWINGS
- REINFORCED TURF - REFER TO CIVIL & LANDSCAPE DWGS
- YELLOW 36" DEEP DETECTABLE WARNING STRIP
- PATH OF TRAVEL
- LIGHT POLE - SEE LIGHTING PLAN SHT E1.01
- SIGNAGE LOCATIONS - FOR ACCESSIBLE SIGNAGE, SEE SHEET A9.00. FOR SIGNAGE DETAIL, SEE SHEET A9.25. FOR FIRE ACCESS SIGNAGE, SEE FIRE ACCESS PLAN SHT G0.12

SITE NOTES:
1. PATH OF TRAVEL (P.O.T.) AND SITE ACCESS INFORMATION, SEE SHEET G0.05.
2. SEE LANDSCAPE DRAWINGS FOR CONC. FINISH AND PATTERNS.
3. SEE CIVIL DWGS SHTS C2.01 & C2.02 FOR GRADING & PAVING.
4. (N) NEW FIRE HYDRANT PER LADPW STD. A9456-2. WET BARRELFIRE HYDRANT PER CLOW RICH 850 SERIES. SPECIFICATIONS: 2-1/2"X4"; 1-1/4"OR 1-3/4" PENTAGONAL NUTS SHALL BE ACCEPTED

Source: NBBJ 2011

Conceptual Site Plan

Exhibit 2-3

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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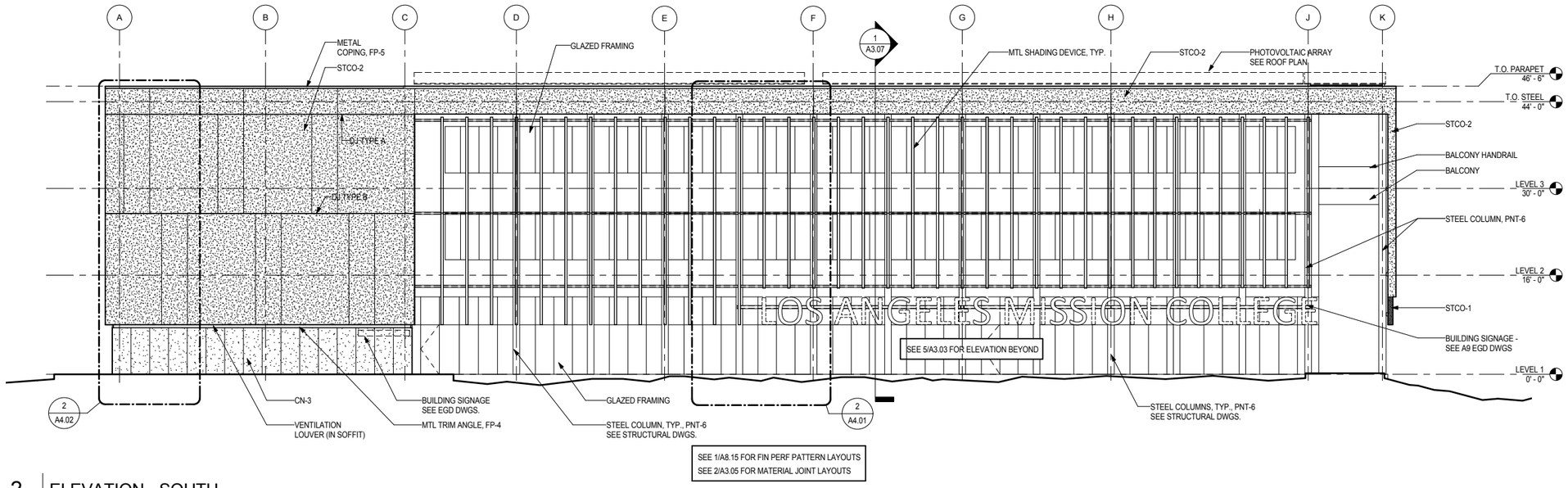
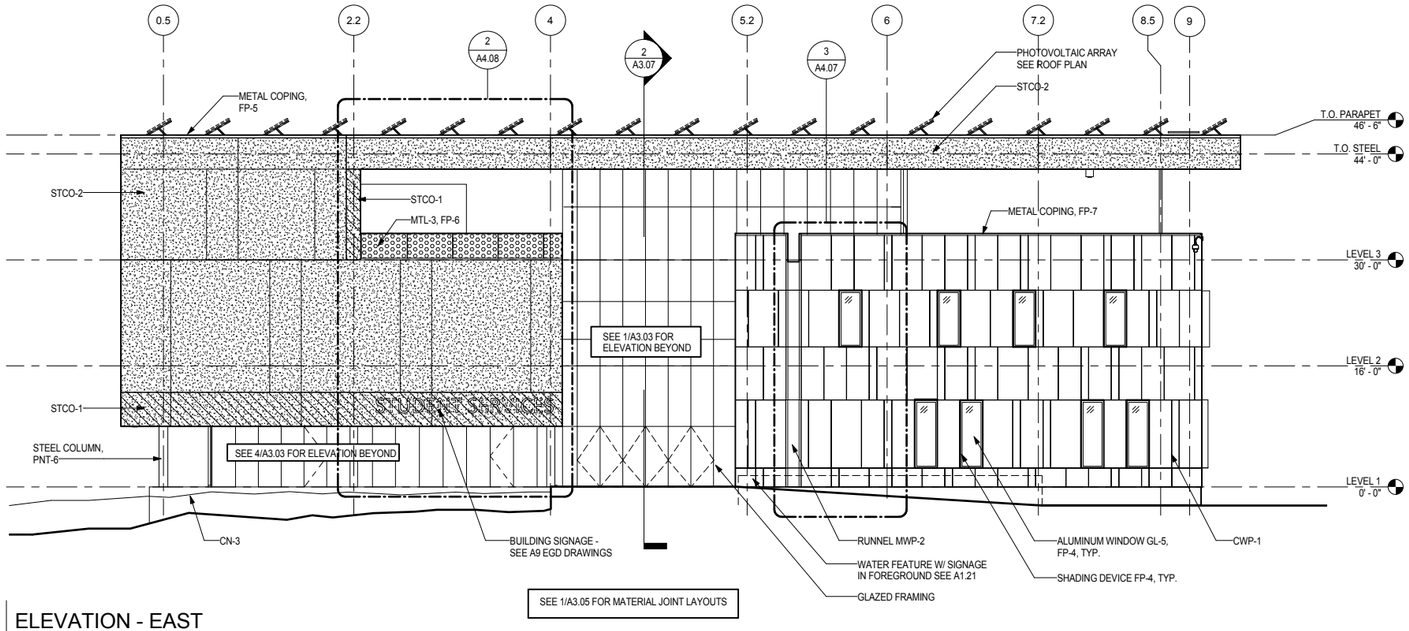


2 ELEVATION - SOUTH
A3.01



1 ELEVATION - EAST
A3.01

Source: NBBJ 2011

Conceptual Building Elevations

Exhibit 2-4a

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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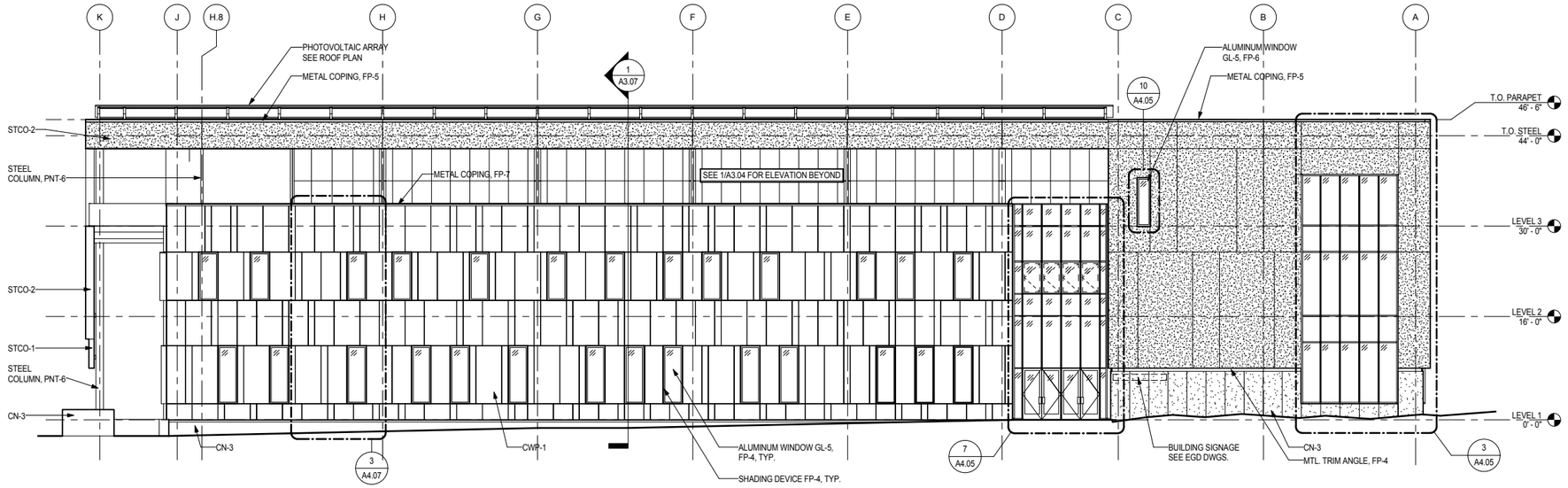
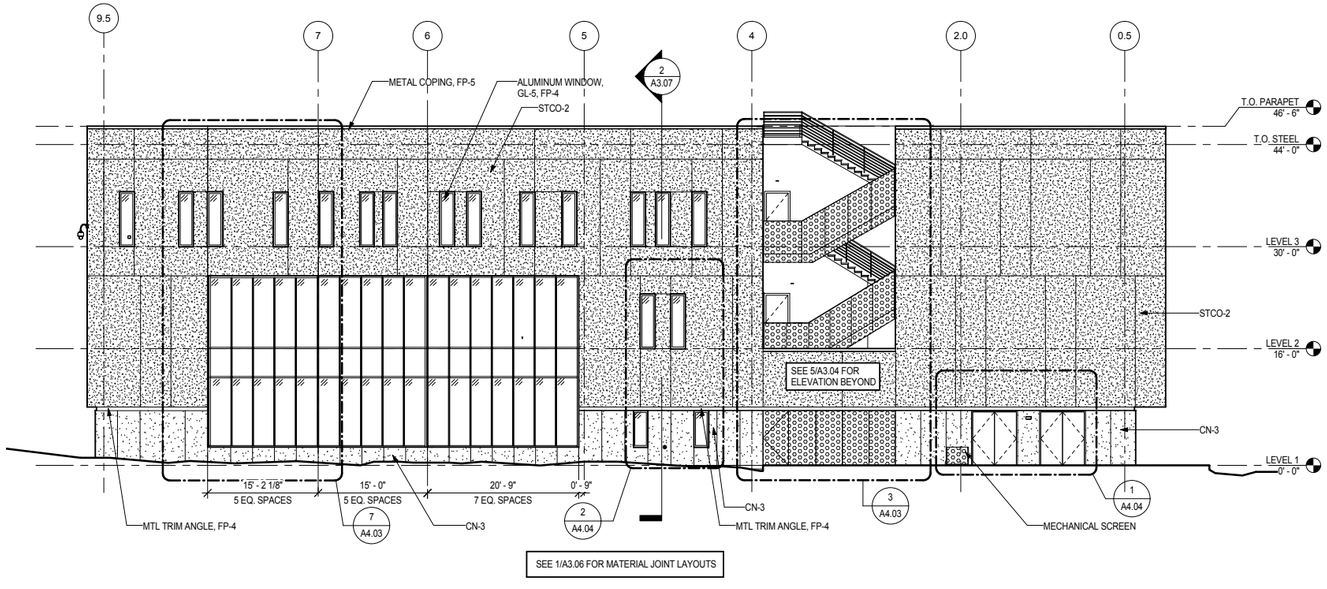


2 ELEVATION - NORTH
A3.02



1 ELEVATION - WEST
A3.02

Source: NBBJ 2011

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Conceptual Building Elevations

Exhibit 2-4b

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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VIEW FROM ELDRIDGE AVENUE

ARRIVAL ENTRY PLAZA

Source: NBBJ 2011

Conceptual Building Renderings

Exhibit 2-5

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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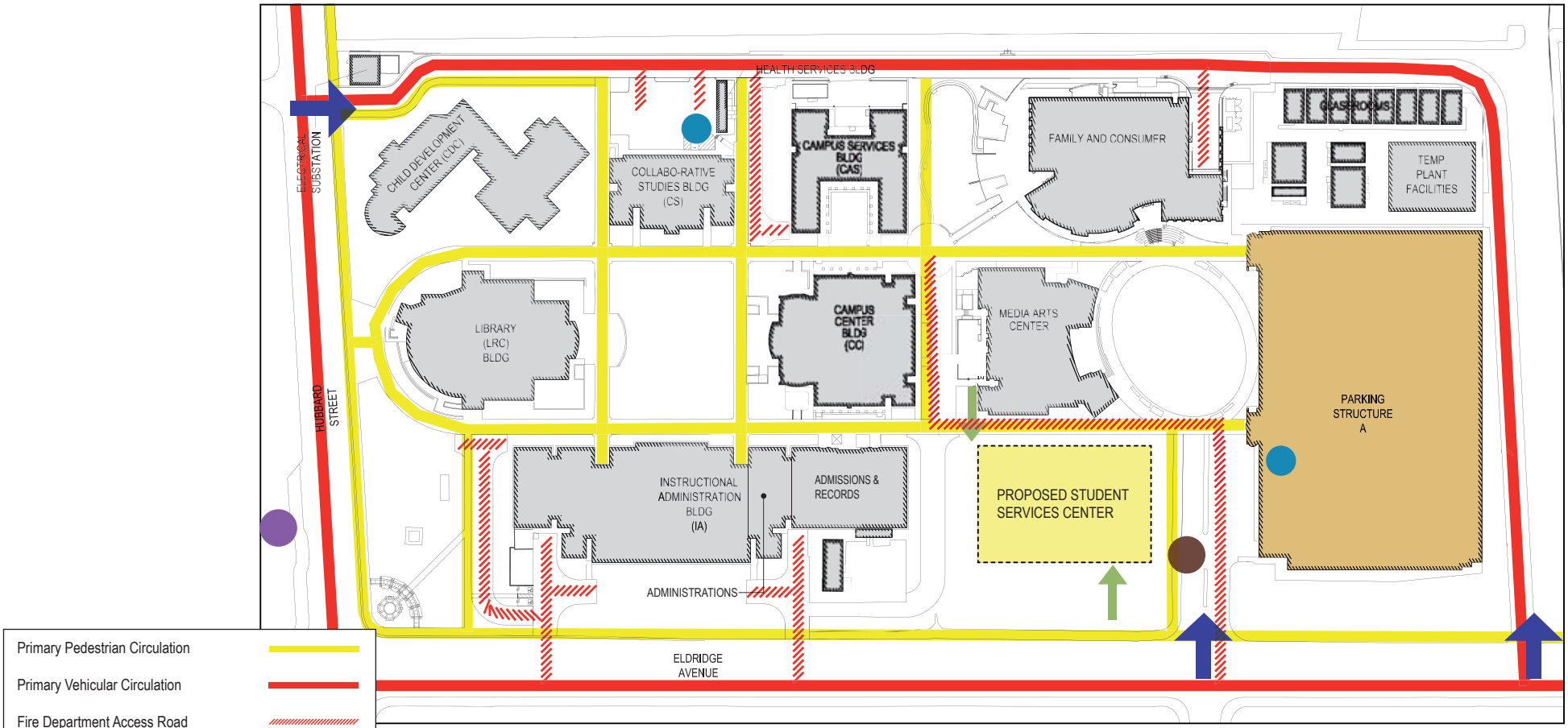

Source: HH Fremer Architects, Build LACCD 2018

Conceptual Circulation Plan

Exhibit 2-6

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

Note: Not to Scale

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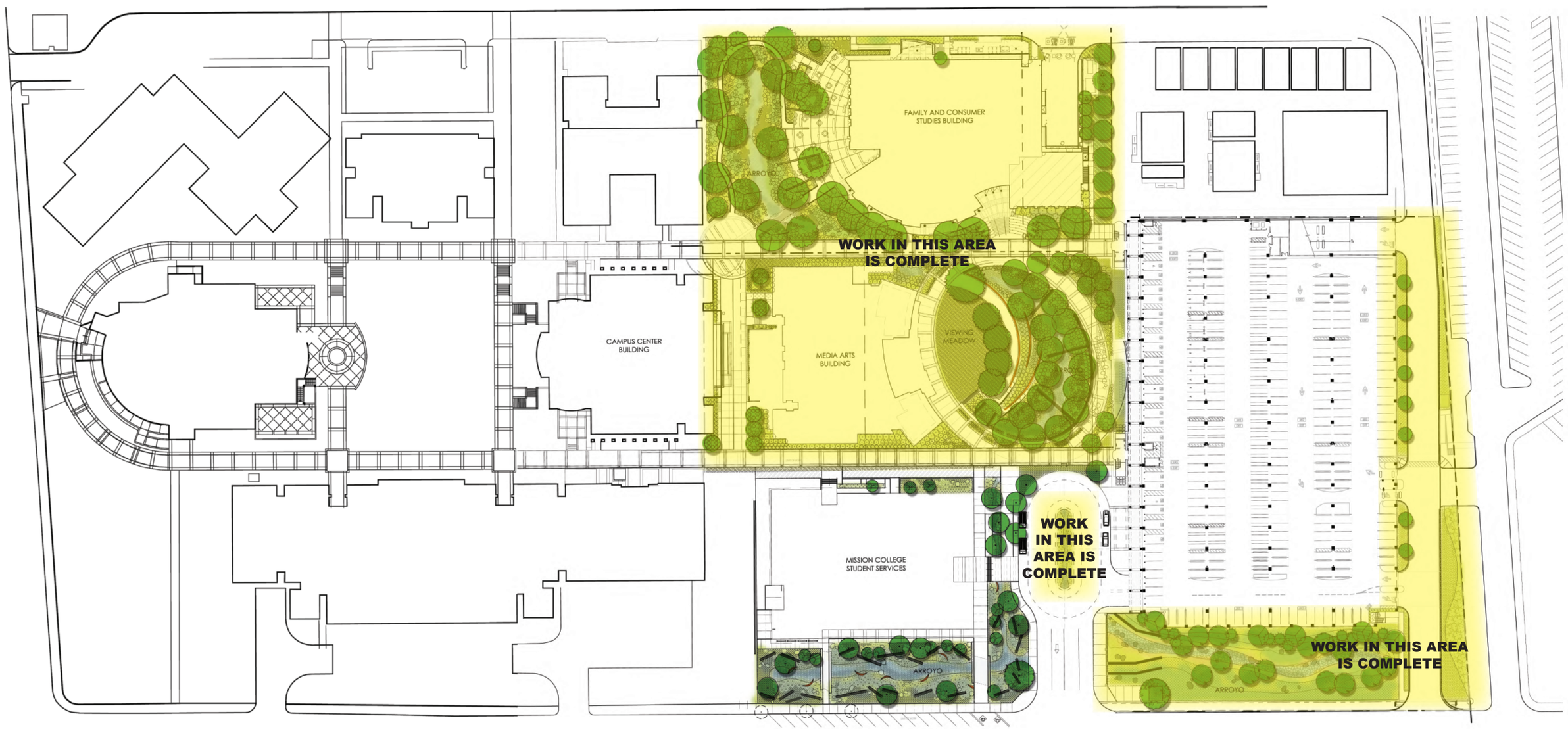

Source: NBBJ 2011

Conceptual Landscape Plan

Exhibit 2-7

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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Exterior lighting would be provided to illuminate entrances and provide adequate site lighting to enhance pedestrian wayfinding and circulation. Lighting would be designed to fit the architecture of the area, would be compatible with the existing night lighting of adjacent uses, and would incorporate cut-off features to reduce light trespass.

Utilities

The Student Services building would require connections to existing utilities within and adjacent to the Site including water (domestic and irrigation), chilled water (from the new Central Plant), sewer, storm drains and water quality treatment facilities, electric, natural gas, and telecommunications. In addition to connecting to existing utilities, project implementation would involve some limited demolition (removal) of utility infrastructure located within the Site. No new or expanded off-site utility infrastructure is required to serve the Student Services building.

It should be noted that a dry-well storm water management system has been installed in the undeveloped area south of the Site. During storm events, storm water is diverted from the 24-inch storm drain line east of the Site to the dry- well system and is then released into the soil. The dry-bed arroyo to be installed as part of the proposed Modified Project would provide pre-treatment for storm water runoff before entering the storm drain system, and would provide storm water flow control. The dry-well and dry-bed arroyo systems have been designed/sized to also accommodate runoff from the Site in a developed condition.

2.3.2 CONSTRUCTION ACTIVITIES

Construction of the proposed Student Services building is anticipated to begin in January 2020, be complete by December 2021 (construction duration of approximately 24 months), and be operational for the spring semester 2022. Construction would be preceded by the removal of existing portable structures in the fall of 2019; existing classroom programs and the Sheriff's Station operations would be relocated to other spaces on campus.

Generalized construction phasing is as follows; note that some construction activities would overlap:

- Site preparation (2 weeks);
- Excavation and export of soils (1 month);
- Underground Infrastructure trenching (2 weeks);
- Building construction (22 months); and
- Paving (6 weeks).

Construction of the proposed Student Services building would require common construction equipment as identified in the Previous Environmental Documentation, no pile driving or blasting is required. Earth-moving activities (grading/excavation) would extend approximately 16 feet deep to accommodate the required removal and preparation of the underlying soils for foundation design and associated building construction, and would require export of approximately 8,000 cy of soil. Excavation and soil export would occur over a period of 4 weeks. Heavy truck trips would occur during removal of portable structures from the site, for export of demolished asphalt (1,500 cubic yards [cy]), for export of soil, during trenching and building construction (for building transport of building materials), and during paving (concrete trucks). The highest number of daily truck trips would occur during grading/excavation. Assuming use of 16 cy trucks, soil export would

require approximately 500 total truck trips over this 4-week period, resulting in approximately 25 round-truck-trips per weekday.

In addition to the identified construction areas, a staging area is needed to receive, lay down, and prepare materials for use during construction. Construction staging would occur in the area south of the Student Services building site along Eldridge Avenue. Construction workers would park in Parking Structure A or would use surface street parking on Eldridge Avenue.

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SECTION 3.0 EVALUATION OF ENVIRONMENTAL IMPACTS

This Addendum evaluates whether any of the conditions requiring preparation of a Subsequent Environmental Impact Report (SEIR) pursuant to Section 15162 of the CEQA Guidelines are met and whether there are new significant impacts resulting from the Modified Project, which involves re-activation of the Student Services building, as compared to the impacts previously approved and analyzed. As previously identified in Section 1.0, Introduction, of this Addendum, the Student Services building was previously analyzed in the *Los Angeles Mission College Facilities Master Plan Final Program Environmental Impact Report* (PEIR) certified by the Los Angeles Community College District (LACCD) in January 2007 (2007 PEIR); the *Los Angeles Mission College 2009 Facilities Master Plan Subsequent Environmental Impact Report* certified by the LACCD in November 2009 (2009 SEIR) and applicable Addenda (collectively, the Previous Environmental Documentation). The analysis contained within this Addendum thus relies upon and incorporates by reference that Previous Environmental Documentation.

This Addendum uses an Environmental Checklist Form, pursuant to 15063(d)(3) of the CEQA Guidelines, that compares the anticipated environmental effects of the Modified Project with those addressed in the Previous Environmental Documentation. The Environmental Checklist Form is used to review the potential environmental effects of the Modified Project for each of the following areas (consistent with the Previous Environmental Documentation):

- Aesthetics
- Air Quality/Greenhouse Gas Emissions
- Biological Resources
- Cultural Resources
- Energy, Conservation and Sustainability
- Geology and Soils
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Public Services
- Recreation
- Transportation and Traffic
- Utilities and Services Systems

It should be noted that the 2007 PEIR concluded that as a result of the analysis undertaken in the Initial Study, and following consideration of the scoping comment letters received during the PEIR scoping period, the LAMC 2007 Facilities Master Plan (2007 Master Plan) would either not result in significant impacts or would result in less than significant impacts relative to the following issue areas: agricultural resources, mineral resources, and population and housing. No further analysis of these issues was provided in the 2007 PEIR. The 2009 SEIR also concluded that no impacts related to agricultural resources or population and housing would occur with implementation of the LAMC 2009 Facilities Master Plan (2009 Master Plan). The 2009 SEIR addressed potential impacts to mineral resources because the proposed Athletic Field sites contained areas delineated with a Mineral Resource Zone (MRZ). The Modified Project would not involve any change that would result in new or substantially more severe impacts for these environmental issues because: (1) there are no agricultural resources at the Site, and the Site is not zoned for agricultural resources or under a Williamson Act contract, (2) the Site is not in an MRZ and the Athletic Fields continue to be deferred and are not evaluated in this Addendum, and (3) the Modified Project would not result in the displacement of any housing and would not induce

substantial population growth in the area. Currently, students who attend the campus either live in the community or commute from the local area. Therefore, no further evaluation of these issues is required in this Addendum.

For each topical issue, summaries of the environmental analyses conclusions from the 2007 PEIR and 2009 SEIR are provided. The 2014 Master Plan Update deferred the Student Services building in addition to other facilities and a CE was prepared; no additional analysis was required. In conjunction with certification of the 2007 PEIR and the 2009 SEIR, the LACCD also adopted a Mitigation Monitoring and Reporting Program (MMRP); the 2009 SEIR MMRP carried forward mitigation measures from the 2007 PEIR MMRP. LACCD requires that developments implementing the respective Master Plans and Master Plan Updates comply with the required mitigation measures from the Previous Environmental Documentation. Applicable mitigation measures that are incorporated into the Modified Project are listed for each topical issue in this Addendum and are assumed in the analysis presented. The full text of the mitigation measures is provided in the 2009 SEIR MMRP in Appendix A of this Addendum. The Addendum prepared for the 2014 Master Plan Update addressed the elimination or modification of traffic mitigation measures in the 2009 SEIR due to the reduction in planned development on campus; therefore, any discussion of traffic mitigation measures is based on the Addendum prepared for the 2014 Master Plan Update. It should be noted that although this Addendum lists mitigation measures applicable to the Modified Project, other mitigation related to ongoing operations remain applicable to the LAMC.

Following the summary of the Previous Environmental Documentation, the analysis for the Modified Project is presented. This document is an Addendum to the Previous Environmental Documentation and demonstrates that there are no changes to the previously approved Master Plan or changes in circumstances that would substantially increase significant environmental impacts or create any new significant impacts. This Addendum demonstrates that no new information of substantial importance has been identified that shows the Modified Project would have one or more significant effects not discussed in the Previous Environmental Documentation. Additionally, this Addendum demonstrates that no new mitigation measures are required beyond those identified in the MMRP for the 2009 SEIR, as modified by the associated Addendum, and that applicable mitigation measures in the MMRP remain feasible to reduce the significance of such impacts in the manner set forth in the Previous Environmental Documentation.

3.1 AESTHETICS

3.1.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the aesthetics analysis presented in the 2007 PEIR (Section 3.1) and the 2009 SEIR (Section 3.1).

2007 Facilities Master Plan Program EIR

The 2007 PEIR concluded that construction of projects proposed under the 2007 Master Plan would affect the aesthetics of the LAMC campus during site preparation and construction; however, compliance with LAMC construction requirements, which would reduce nighttime lighting required during the construction phase, would reduce impacts due to construction to less than significant.

The 2007 PEIR concluded that anticipated development at the Harding Street/East Campus site (referred to herein as the East Campus site) would result in a significant impact to a scenic vista, but no scenic highways would be impacted. No feasible mitigation was identified for impacts to scenic vistas. Buildings proposed on the LAMC campus, including the Student Services building,

would potentially impact the visual character of the campus, but this impact would be reduced to a less than significant level with implementation of identified mitigation measures.

New light sources on the LAMC campus would be consistent with existing lighting on campus and potential sources of glare would incorporate low-reflectivity glass or other glare-reducing measures; therefore, impacts related to light and glare were determined to be less than significant. Additionally, it was concluded that development under the 2007 Master Plan would be consistent with the Sylmar Community Plan and would not have any significantly adverse cumulative impacts related to aesthetics.

Even with implementation of mitigation measures, the 2007 PEIR concluded that development at the East Campus would create a significant and unavoidable impact related to scenic vistas. The LACCD adopted a Statement of Overriding Considerations for this significant impact.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR did not specifically address the aesthetic impacts/visual changes associated with the Student Services building, which was addressed in the 2007 PEIR. However, the 2009 SEIR concluded that (1) impacts on aesthetics due to construction of campus projects would be temporary and less than significant impact; (2) visual changes and light and glare impacts from development of the Nursery Property and street improvements along Eldridge Avenue would result in no impact or a less than significant impact; and (3) aesthetic impacts from the proposed Athletic Fields would be significant and unavoidable. The LACCD adopted a Statement of Overriding Considerations for the significant and unavoidable impacts from the Athletic Fields.

Mitigation Measures (Summarized)

The following applicable mitigation measures from the 2007 PEIR and 2009 SEIR are incorporated as part of the Modified Project and assumed in the analysis presented in this section; the mitigation measures are presented in their entirety in the MMRP included in Appendix A to this Addendum: AES-2 (screen trash storage areas); AES-3 (screen rooftop equipment from public view); AES-5 (architectural treatment); and AES-7 (wall and fence graffiti protection).

3.1.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
AESTHETICS – Would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☑
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☑
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	☐	☑
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☐	☑

a, b. **No Substantial Change from Previous Analysis.** As identified in the 2007 PEIR, scenic views on the Main Campus are somewhat limited due to the gently sloping topography of the area and existing development that surrounds the campus. Overall, scenic vistas in the area include the San Gabriel Mountains that rise above the area to the distant north (refer to the photographs provided in Exhibits 3-1a through 3-1c), the Pacoima Wash, and to a lesser extent, portions of the El Cariso Golf Course and El Cariso Park. The proposed Student Services building would be 3-levels consistent with existing adjacent buildings to the north and east (Media Arts Center and Parking Structure A to the east); the instructional and administrative buildings to the east are 2-levels. Due to its location on the Main Campus, and relationship to existing development, the proposed Student Services building would not obstruct views of existing scenic vistas, consistent with conclusions of the Previous Environmental Documentation.

The nearest State scenic highway to the campus and project site is Interstate (I)-210 Freeway, located approximately 0.7 mile to the southwest; I-210 is an eligible state scenic highway (not officially designated). Due to distance and intervening development, there are no views of the campus from I-210. Therefore, no project impacts related to damaging scenic resources within a State scenic highway would occur with the Modified Project, consistent with the conclusions of the Previous Environmental Documentation.

The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified impacts related to scenic vistas/resources and scenic highways.

c. **No Substantial Change from Previous Analysis.** As shown in the aerial photograph included in Exhibit 2-1 and the site photographs provided in Exhibits 3-1a through 3-1c, the Site is currently occupied by various portable structures. There is minimal landscaping and mature trees around the perimeter of the Site. The visual character of the area has not substantially changed since preparation of the Previous Environmental Documentation; however, the Media Arts Center adjacent to and north of the Site has been constructed. Exhibits 3-1a and 3-1b depict views from off campus

View 1

View 2

Aerial Source: ESRI 2016

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Site Photographs

Exhibit 3-1a

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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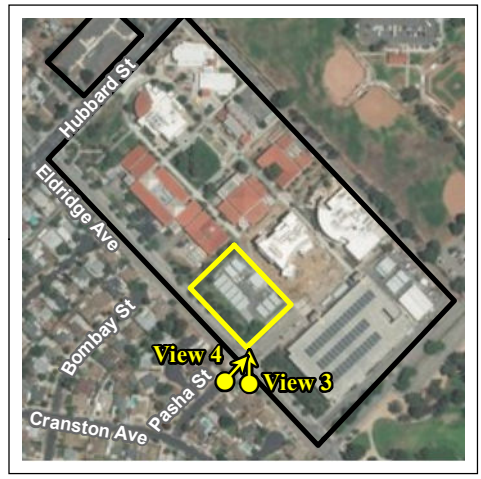
(Rev: 5-10-2018 MMD) R:\Projects\BBK\3BBK010100\Graphics\Addendum\ex_SitePhotos.pdf

View 3



View 4

Aerial Source: ESRI 2016

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Site Photographs

Exhibit 3-1b

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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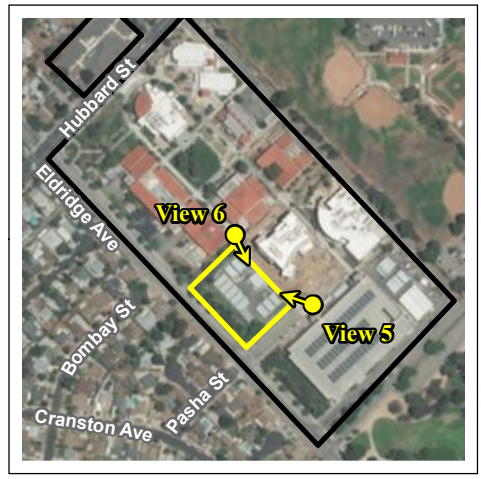
View 5



View 6

Aerial Source: ESRI 2016

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Site Photographs

Exhibit 3-1c

Los Angeles Mission College 2018 Facilities Master Plan Update/Student Services Building

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public vantage points along Eldridge Avenue and Exhibit 3-1c depicts views of the Site from the pedestrian pathway adjacent to the Site to the north.

With implementation of the Modified Project, the Site would be developed with the same type of building/use as evaluated in the Previous Environmental Documentation, and would comply with applicable design standards for the campus. The proposed building footprint, height, and massing would be consistent with the previously approved Student Services building, and consistent with the visual character of the campus and adjacent buildings. Further, the Modified Project would continue to accommodate the previously approved dry-bed arroyo to be installed south of the Site, which would provide an aesthetic feature visible from public vantage points along Eldridge Avenue. The Modified Project also incorporates applicable mitigation measures from the 2009 SEIR MMRP, which address screening trash storage areas and mechanical equipment from view, provision of architectural treatments, and use of graffiti-proof paint. Consistent with the analysis of aesthetic impacts provided in the Previous Environmental Documentation, the Modified Project would not substantially degrade the existing visual character or quality of the site and its surroundings.

The Modified Project would not result in any new or substantially more severe effects than the effects identified in the Previous Environmental Documentation.

d. **No Substantial Change from Previous Analysis.** Consistent with the findings of the Previous Environmental Documentation, the Student Services building would include new light and glare sources. However, the Site is currently occupied by portable structures and there are existing exterior lights. There is also street lighting and light standards along adjacent walkways for safety and security. The Modified Project does not involve any lighting beyond what is typical to the campus, and evaluated in the previous environmental documentation. Further, the building materials to be used for the Student Services building would comply with the LAMC design standards and would not create glare impacts. Therefore, the Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects related to the introduction of sources of light and glare.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from

those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the aesthetics analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.2 AIR QUALITY AND GREENHOUSE GAS EMISSIONS

3.2.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the air quality analysis presented in the 2007 PEIR (Section 3.2) and the 2009 SEIR (Section 3.2).

2007 Facilities Master Plan Program EIR

The 2007 PEIR concluded that construction emissions would exceed applicable thresholds for nitrogen oxides (NOx) and would result in a significant impact; however, all other criteria pollutant emissions during construction would not exceed thresholds. It was also concluded that operational emissions would exceed applicable thresholds for NOx, volatile organic compounds (VOCs), and carbon monoxide (CO), which would result in a significant impact. Cumulative construction and operational air quality impacts were also determined to be significant. The Initial Study prepared for the 2007 PEIR determined that potential odor impacts would be less than significant and no further analysis was presented in the 2007 PEIR.

Even with implementation of identified mitigation measures, the 2007 PEIR concluded that development at the LAMC under the 2007 Master Plan would create significant impacts related to construction emissions (NOx) and operational emissions (NOx, VOCs, and CO). The LACCD adopted a Statement of Overriding Considerations for these significant and unavoidable impacts.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR concluded that regional construction emissions from the peak construction period on campus would be less than significant. The analysis of localized construction-related air quality impact in the 2009 SEIR focused on the Eldridge Avenue Streetscape Improvements, because this was determined to represent the construction activity that would be closest to sensitive receptors (residential uses south of Eldridge Avenue). It was concluded that the construction activities would exceed localized thresholds of significance for PM2.5 and PM10 resulting in a project impact and cumulatively considerable impact, and that identified mitigation measures would not reduce this impact to a less than significant level. Construction activities were determined not to conflict with the Air Quality Management (AQMP) or create objectionable odors.

The 2009 SEIR concluded that operational emissions associated with implementation of the 2009 Master Plan would not exceed applicable regional significance thresholds, would not result in a cumulatively considerable net increase of any criteria pollutant, would not conflict with the AQMP, would not expose sensitive receptors to substantial concentrations of pollutants, and would not create objectionable odors. No additional mitigation measures for operations were required.

Construction and operational GHG emissions were determined to exceed the SCAQMD interim threshold and to be significant. However, the 2009 Master Plan would not conflict with any plan, policy, or regulation related to reduction of GHG emissions.

Even with implementation of identified mitigation measures, the 2009 SEIR concluded that implementation of the 2009 Master Plan would result in significant and unavoidable impacts

related to localized construction emissions (PM2.5 and PM10) and GHG emissions. The LACCD adopted a Statement of Overriding Considerations for these significant and unavoidable impacts.

Mitigation Measures (Summarized)

The following applicable mitigation measures from the 2007 PEIR and 2009 SEIR are incorporated as part of the Modified Project and assumed in the analysis presented in this section; the mitigation measures are presented in their entirety in the MMRP included in Appendix A to this Addendum:

Construction-related Mitigation Measures

AQ-1/AQ-1a (diesel-powered equipment); AQ-2/AQ-1b (Construction Traffic Emission Management Plan); AQ-3/AQ-1c (suspension of construction during smog alerts); AQ-4/AQ-1d (use electricity or alternate fuels for construction equipment); AQ-5/AQ-1e (maintain construction equipment); AQ-6/AQ-1f (use electric welders); AQ-7/AQ-1g (use on-site electricity or alternative fuels for generators); AQ-8/AQ-1h (evaluate feasibility of retrofitting large off-road construction equipment); AQ-10/AQ-1j (watering active sites); AQ-11/AQ-1k (schedule construction activities during off-peak hours); and AQ-2a (use low- or zero-emission construction vehicles).

Operational Mitigation Measures

AQ-7 (installation of low NOx water heaters and appliances); AQ-8 (install shade trees); AQ-9 (install double-paned windows); AQ-10 (install energy efficient lighting); AQ-11 (install light-colored roofing materials); and AQ-12 (increase insulation beyond Title 24 requirements).

3.2.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
AIR QUALITY – Where available, 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:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☐	☑
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☐	☐	☐	☑
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)?	☐	☐	☐	☑
d) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☐	☑
e) Create objectionable odors affecting a substantial number of people?	☐	☐	☐	☑
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 gases?	☐	☐	☐	☑

AQa. **No Substantial Change from Previous Analysis.** Since certification of the Previous Environmental Documentation, the South Coast Air Quality Management District (SCAQMD) updated the AQMP. The current AQMP for CEQA analysis purposes is the 2016 AQMP, which was approved in March 2017 and is a regional and multi-agency effort (involving SCAQMD, California Air Resources Board [CARB], Southern California Association of Governments [SCAG], and U.S. Environmental Protection Agency [USEPA]). The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including SCAG's *2016–2040 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS), updated emission inventory methods for various source categories, and latest growth forecasts (SCAG 2016). As previously identified, the Modified Project, which re-activates the Student Services building, would not involve any increase or revision to the campus enrollment projection (15,000 students), and would not cause an increase in the local or regional population. Therefore, the Modified Project would not result in a substantial increase in regional operational emissions when compared to the Previous Environmental Documentation. City and County General Plans were used to develop the growth and pollutant emissions forecasts in the RTP/SCS and the 2016 AQMP. The Modified Project is consistent with the types and amount of development assumed for the campus. Therefore, the Modified Project is consistent with the 2016 AQMP. No conflict with the current AQMP would result, which is also consistent with the air quality impacts that were identified, analyzed and disclosed in the Previous Environmental Documentation. No new significant impacts or increases in the severity of any

previously identified significant impacts related to the AQMP would occur with implementation of the Modified Project.

AQb, c, d/GHGa.

No Substantial Change from Previous Analysis. The physical impact area and construction activity assumptions/methods for the Modified Project are consistent with that assumed in the Previous Environmental Documentation for development at the LAMC campus, including the Student Services building. However, it should be noted that construction equipment emissions of NOx and particulates are expected be less than those forecasted in the Previous Environmental Documentation because of the federal and State requirements for cleaner diesel engines.

With respect to operational emissions, the proposed Student Services building would serve existing and projected future students, faculty and staff on campus, and would not change any operational assumptions used in the Previous Environmental Documentation. Notably, the Modified Project would not generate any vehicular trips. Additionally, regional emissions of vehicle pollutants (mobile emissions) are expected to be less than forecasted in the Previous Environmental Documentation because of federal and State requirements for cleaner and more fuel-efficient cars and light trucks. The air quality and GHG emissions from the Modified Project building operations would also be similar to that assumed in the Previous Environmental Documentation based on the minimal increase in building area (approximately 9,000 sf). However, the energy efficiency of the Modified Project would be improved due to stricter energy conservation requirements in place since preparation of the Previous Environmental Documentation. Notably, Title 24, Part 6 of the 2016 California Building Standards Code (known as the 2016 California Energy Code), and the 2016 California Green Building Standards Code (CCR, Title 24, Part 11) went into effect on January 1, 2017 (CBSC 2016). Additionally, the LACCD adopted updated Sustainability Standards in August 2016 (LACCD 2016); future development on campus is required to comply with the Sustainability Standards in effect at the time of development.

An updated model for the calculation of construction and operational emissions has been developed. California Emissions Estimator Model (CalEEMod®), Version 2016.3.2. CalEEMod is a computer program developed for the California Air Pollution Officers Association (CAPCOA) in collaboration with the California Air Districts and is currently used to estimate anticipated emissions associated with land development projects in California. CalEEMod calculates emission rates for criteria pollutants utilizing the EMission FACtor model (EMFAC 2014) for on-road vehicles, OFFROAD 2011 for off-road vehicles, and USEPA formulas for non-vehicular emissions (CAPCOA 2017). The estimated construction-related and operational air quality and GHG emissions using the current version of CalEEMod have been calculated for the Student Services building; the CalEEMod model output is provided in Appendix B.

Construction-related Air Quality Emissions

As shown in Tables 3-1 and 3-2, construction of the Modified Project would not exceed any of the established thresholds of significance for regional and local air quality emissions. The construction-related air quality emission estimates are conservative because the Modified Project incorporates applicable construction-related mitigation measures from the 2009 SEIR, which would further reduce emissions.

With respect to local significant thresholds (LST), the 2009 SEIR assumed that implementation of Eldridge Avenue Streetscape Improvements Project would generate the highest level of local construction emission due to its proximity to residential uses to the south, the closest sensitive receptors to the Main Campus. The 2009 SEIR concluded that local construction emissions would be significant and unavoidable for PM2.5 and PM10. This improvement project has been deferred; therefore, construction of the Student Services building and dry-bed arroyo would be the nearest proposed construction activity to these residents. Based on the current construction schedules for the campus, no other large construction activities would be occurring at the same time as the Modified Project; therefore, the Modified Project would not contribute to cumulative construction-related impacts. The Modified Project would not result in new significant impacts or increases in the severity of any previously identified significant impacts related to construction emissions analyzed in the Previous Environmental Documentation, including the exposure of sensitive receptors to substantial pollution concentrations.

TABLE 3-1
ESTIMATED MAXIMUM DAILY CONSTRUCTION EMISSIONS
MODIFIED PROJECT

Year	Emissions (lbs/day)					
	VOC	**NOx**	**CO**	**Sox**	**PM10**	**PM2.5**
2019	2	25	16	<1	2	1
2020	2	28	15	<1	4	2
2021	21	24	26	<1	2	1
Maximum	**21**	**28**	**26**	**<1**	**4**	**2**
SCAQMD Thresholds	***75***	***100***	***550***	***150***	***150***	***55***
Exceeds SCAQMD Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

lbs/day: pounds per day; VOC: volatile organic compound; NOx: nitrogen oxides; CO: carbon monoxide; SOx: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District.

Source: CalEEMod 2018; see Appendix B for CalEEMod model outputs.

TABLE 3-2
LOCALIZED SIGNIFICANCE THRESHOLD CONSTRUCTION EMISSIONS
MODIFIED PROJECT

Emissions and Thresholds	Emissions (lbs/day)			
	NOx	**CO**	**PM10**	**PM2.5**
Project maximum daily on-site emissions	23	15	3	2
Localized Significance Threshold	80	498	4	3
Exceed threshold?	**No**	**No**	**No**	**No**

lbs/day: pounds per day; NOx: nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter.

Note: Data is for SCAQMD Source Receptor Area 7, East San Fernando Valley.

Source: SCAQMD 2009 (thresholds); see Attachment B for CalEEMod model outputs.

Operational Air Quality Emissions

As noted previously, the 2009 SEIR concluded that implementation of the 2009 Master Plan would also not result in operational air quality emissions. The Modified Project, which would not generate any increase in vehicular trips, would not exceed any of the SCAQMD thresholds of significance for regional emissions during operation. The operational criteria pollutant emissions (VOC, NOx, CO, Sox, PM10 and PM 2.5) would be negligible (1 pound per day or less) (refer to the CalEEMod data sheets in Appendix B). The Modified Project, which also incorporates mitigation measures identified previously for operational air quality impacts, would not result in new significant impacts or increases in the severity of any previously identified significant project or cumulative impacts related to operations analyzed in the Previous Environmental Documentation.

Greenhouse Gas Emissions

With respect to GHG emissions, construction-related and operational GHG emissions from implementation of 2009 Master Plan, which included the Student Services building, were determined to exceed the SCAQMD interim threshold and to be significant and unavoidable. The construction and operational GHG emissions for just the Student Services building would be approximately 574 metric tons of carbon dioxide equivalent per year (MTCO2e/yr) (refer to Tables 3-3 through 3-5). This is a conservative estimate as the reductions in GHG emissions from the LAACD's requirement to exceed Title 24 energy requirements by 20 percent have not been calculated. The GHG emissions generated by the Modified Project would be less than the SCAQMD interim threshold of 3,000 metric MTCO2e/yr used in the 2009 SEIR, which is still applicable. Because the Modified Project would not increase vehicular trips, and would have increased energy efficiency compared to that assumed in the Previous Environmental Documentation, it is concluded that the Modified Project would not result in new significant impacts or increases in the severity of any previously identified significant impacts related to GHG emissions analyzed in the Previous Environmental Documentation. However, the Modified Project would contribute to the previously identified significant and unavoidable impacts related to GHG emissions, for which the LAACD adopted a Statement of Overriding Considerations.

TABLE 3-3
ESTIMATED GREENHOUSE GAS EMISSIONS FROM CONSTRUCTION
MODIFIED PROJECT

Source	Emissions ($MTCO_2e$)
2019	34
2020	335
2021	318
Total	**687**

$MTCO_2e$: metric tons of carbon dioxide equivalent

Notes: Totals may not add due to rounding variances; detailed calculations in Attachment B.

TABLE 3-4
ESTIMATED ANNUAL GREENHOUSE GAS EMISSIONS FROM PROJECT OPERATION
MODIFIED PROJECT

Source	Emissions ($MTCO_2e$/yr.)
Area	<1
Energy	451
Mobile	0
Waste	42
Water	58
Total	**551**

$MTCO_2e$/yr.: metric tons of carbon dioxide equivalent per year

Notes: Totals may not add due to rounding variances; detailed calculations in Appendix B.

TABLE 3-5
ESTIMATED TOTAL PROJECT ANNUAL GREENHOUSE GAS EMISSIONS
MODIFIED PROJECT

Source	Emissions ($MTCO_2e$/yr[a])
Construction Amortized	23[a]
Operations (Table 3-4)	551
Total[b]	**574**

MTCO2e/yr.: metric tons of carbon dioxide equivalent per year

[a] Total derived by dividing construction emissions (see Table 3-3) by 30.
[b] Total annual emissions is the sum of amortized construction emissions and operational emissions.

GHGb. **No Substantial Change from Previous Analysis.** As described in Section 2.0, the proposed Student Services building would house various administrative and office functions for the campus. The Modified Project would not generate additional vehicular trips or involve operations that would increase GHG emissions beyond that anticipated in the Previous Environmental Documentation. Additionally, development on campus, including the Student Services building, would be required to comply with applicable requirements and regulations related to the reduction of GHG emissions and/or sustainability, including requirements established by the LACCD. Notably, the LACCD requires that new buildings and major renovations be minimally LEED "certified". The proposed Student Services building has been designed to attempt to achieve a minimum LEED™ Gold for New Construction rating. Per the LACCD Sustainability Standards for new construction, the energy performance goals for the building would be 20 percent over Title 24 requirements. Additionally, at least 15 percent of the building's energy use would be supplemented by renewable energy (a minimum of 10 percent from on-site sources). This goal would be met by the installation of photovoltaic panels on the building roof. The Modified Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases, consistent with the conclusions of the Previous Environmental Documentation. The Modified Project would not result in new or substantially more severe effects related to this issue.

AQe. **No Substantial Change from Previous Analysis.** As described in Section 2.0, the proposed Student Services building would house various administrative and office functions for the campus. Consistent with conclusions of the Previous Environmental Documentation, the Modified Project would not generate objectionable odors, and the Modified Project would not result in new or substantially more severe effects than the effects that have been identified and analyzed in the Previous Environmental Documentation.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the air quality analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required. A Statement of Overriding Considerations was adopted by the LACCD to address significant and unavoidable impacts related to GHG emissions.

3.3 BIOLOGICAL RESOURCES

3.3.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the biological resources analysis presented in the 2007 PEIR (Section 3.3) and the 2009 SEIR (Section 3.3).

2007 Facilities Master Plan Program EIR

The 2007 PEIR identified that no sensitive vegetation or habitat for special status plant or wildlife species, or jurisdictional areas were observed within the LAMC Main Campus, but the Main Campus has the potential support nesting birds. Impacts to nesting birds would be considered significant. Additionally, it was determined that the East Campus included sensitive habitat with the potential to support special status plant or wildlife species. Potential impacts to nesting birds and special status species were determined to be less than significant with the implementation of identified mitigation measures.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR concluded that no sensitive vegetation or habitat for special status plant or wildlife species were observed within the LAMC Main Campus or the Nursery Property, but vegetation at these areas have the potential support nesting birds and may contain locally protected trees. Impacts to nesting birds and local protected trees would be considered significant. Potential impacts were determined to be less than significant with implementation of the identified mitigation measures.

The 2009 SEIR also concluded that development of the Athletic Fields site had the potential to impact special status-species, nesting birds, jurisdictional resources, and locally protected trees. Potential project and cumulative impacts from development of the Athletic Fields were determined to be less than significant with implementation of the identified mitigation measures.

Mitigation Measures (Summarized)

The following applicable mitigation measures from the 2007 PEIR and 2009 SEIR are incorporated as part of the Modified Project and assumed in the analysis presented in this section; the mitigation measures are presented in their entirety in the MMRP included in Appendix A to this Addendum: BIO-2 (requirements for vegetation removal activities during the nesting season); and BIO-4 (compliance with local trees, shrub, and plant protection requirements).

3.3.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
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?	☐	☐	☐	☑
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 US Fish and Wildlife Service?	☐	☐	☐	☑
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?	☐	☐	☐	☑
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?	☐	☐	☐	☑
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☑
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?	☐	☐	☐	☑

a–e. **No Substantial Change from Previous Analysis.** The Student Services building is located on the LAMC Main Campus; the Modified Project does not include any development at the Athletic Fields site. The physical impact area for the Student Services building is the same as that analyzed in the Previous Environmental Documentation. The Site does not support any native habitat types. There are various trees that occur in a landscaped environment combined with turf grass and associated weedy herbaceous species. The trees that occur on the Site are a combination of native trees (coast live oak [*Quercus agrifolia*]) and several non-natives including London plane (*Platanus hispanica*), jacaranda (*Jacaranda mimosifolia*), American sweetgum (*Liquidamber styraciflua*), mulberry (*Morus alba*), and tipu tree (*Tipuana tipu*).

There is a potential for the onsite vegetation and trees to support nesting birds. Consistent with the conclusion of the Previous Environmental Documentation, vegetation clearing activities during the nesting season have the potential to result in direct take of species protected under by the Migratory Bird Treaty Act and California Fish and Game Code Section 3500 (et seq.), which would be considered a significant impact. Additionally, coast live oak trees, which are protected under the City of Los Angeles Tree Protection Ordinance (Section 12.21 of the Los Angeles Municipal Code) could be removed during construction resulting in a potentially significant

impact. Mitigation measures from the 2009 SEIR MMRP for the protection of nesting birds and locally protected trees are incorporated into the Modified Project and would reduce impacts to a less than significant level. No new significant impacts or increases in the severity of any previously identified significant impacts to biological resources would occur with implementation of the Modified Project.

f. **No Substantial Change from Previous Analysis**. The LAMC campus is not within an area subject to a Habitat Conservation Plan or Natural Community Conservation Plan; therefore, as with previously approved development under previous Master Plans, the Modified Project would not conflict with such a plan. No new significant impacts or increases in the severity of any previously identified significant impacts would occur with implementation of the proposed Modified Project.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the biological resources analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.4 CULTURAL RESOURCES

3.4.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the cultural resources analysis presented in the 2007 PEIR (Section 3.4) and the 2009 SEIR (Section 3.4).

2007 Facilities Master Plan Program EIR

The 2007 PEIR concluded that excavation activities during construction have the potential to unearth previously unknown paleontological or archaeological resources, as well as human remains, at the East Campus site. It was concluded that development on the Main Campus, which was previously disturbed would have a less than significant impact on archaeological and

paleontological resources. It was also concluded that construction of projects under the 2007 Master Plan would not impact historic resources or Native American sacred sites. The 2007 PEIR concluded that any potentially significant cultural resources impacts would be reduced to a less than significant level with implementation of the identified mitigation measures.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR concluded that construction of campus projects under the 2009 Master Plan would have the potential to significantly impact previously unknown paleontological resources, as well as unknown human remains and Native American sacred sites. Because the Main Campus is a disturbed, developed area, the potential for impacts to archaeological resources related to the construction of campus projects was determined to be less than significant. Impact to historic resources were also determined to be less than significant. The 2009 SEIR concluded that any potentially significant cultural resources impacts would be reduced to a less than significant level with implementation of the identified mitigation measures.

Mitigation Measures (Summarized)

The following applicable mitigation measures from the 2007 PEIR and 2009 SEIR are incorporated as part of the Modified Project and assumed in the analysis presented in this section; the mitigation measures are presented in their entirety in the MMRP included in Appendix A to this Addendum: CUL-1 (archaeological monitoring during construction); CUL-3 (actions to take in the event human remains are discovered); and CUL-4 (actions to take if paleontological resources are discovered).

3.4.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	☐	☐	☐	☑
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☐	☑
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☑
d) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☐	☑

a–d. **No Substantial Change from Previous Analysis.** As identified in the Previous Environmental Documentation, the entire LAMC Main Campus (including the Site) has been previously disturbed. The Site was previously developed with a surface parking lot and is currently occupied by portable structures. Consistent with the conclusion of the Previous Environmental Documentation, construction of the Student Services building on the Main Campus would not impact historic resources.

The Site is underlain by approximately 10-feet of artificial fill. The physical impact area for the Modified Project is entirely within the impact area identified and evaluated in the Previous Environmental Documentation. Therefore, there would be no additional areas potentially impacted during construction and no new impacts related to cultural resources. Consistent with the analysis presented in the Previous Environmental Documentation, due to the disturbed nature of the Main Campus (including the Site) it is unlikely that unknown archaeological or paleontological resources would be impacted during construction. However, there is a potential that previously unknown resources may be encountered during earth-disturbing activities in native sediment. This potential exists for the Students Services building since excavation could be required up to depths of approximately 16-feet, and native sediment underlies the artificial fill material, which is up to approximately 10-feet deep at the site. Therefore, mitigation measures from the 2009 SEIR MMRP for archaeological monitoring (CUL-1) and actions to take if human remains or paleontological resources are discovered (MM CUL-3 and MM CUL-4, respectively) are incorporated into the Modified Project and would reduce potential impacts to a less than significant level. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects related to cultural resources.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the cultural resources analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.5 ENERGY CONSERVATION AND SUSTAINABILITY

3.5.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the energy conservation and sustainability analysis presented in the 2007 PEIR (Section 3.5) and the 2009 SEIR (Section 3.5).

2007 Facilities Master Plan Program EIR and 2009 Facilities Master Plan Subsequent EIR

The 2007 PEIR and 2009 SEIR concluded that that there would be no significant project or cumulative impacts related to unnecessary consumption of energy; the preemption of future energy development or conservation; meeting required LEED points for new construction; meeting the requirement to exceed Title 24 Energy Efficiency Standards by 20 percent; and consistency with applicable policies and regulations. No mitigation related to energy conservation and sustainability were required.

3.5.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
ENERGY CONSERVATION – Would the project:				
a) Cause wasteful, inefficient, and unnecessary consumption of energy during the project construction, operation, maintenance, and/or removal?	☐	☐	☐	☑
b) Cause preempting of future energy development or future energy conservation?	☐	☐	☐	☑
c) Not meet a minimum of 26 LEED points for new construction?	☐	☐	☐	☑
d) Not exceed Title 24 Energy Efficiency Standards by 20 percent?	☐	☐	☐	☑

a-d. **No Substantial Change from Previous Analysis.** The Modified Project involves re-activation and development of the Student Services building, which was included in the 2007 and 2009 Master Plans. Consistent with the conclusions of the Previous Environmental Documentation, construction, operation and maintenance of the Modified Project would be in compliance with the LACCD Sustainability Standards in effect at the time of construction. As discussed in Section 3.2, Air Quality and Greenhouse Gas Emissions, the proposed Student Services building has been designed to attempt to achieve a minimum LEED™ Gold for New Construction rating. Further, per the LACCD Sustainability Standards for new construction, the energy performance goals for the building would be 20 percent over Title 24 requirements. The 2016 Title 24 requirements are more stringent than what was anticipated in the Previous Environmental Documentation. Additionally, at least 15 percent of the building's energy use would be supplemented by renewable energy (a minimum of 10 percent from on-site sources). This goal would be met by the installation of photovoltaic panels on the building roof. Consistent with the conclusion of the Previous Environmental Documentation, the Modified Project would not result in significant impacts related to energy conservation and sustainability and no mitigation is required.

The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects related to energy conservation and sustainability.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the energy conservation and sustainability analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.6 GEOLOGY AND SOILS

3.6.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the geology and soils analysis presented in the 2007 PEIR (Section 3.6) and the 2009 SEIR (Section 3.6).

2007 Facilities Master Plan Program EIR

The 2007 PEIR identified that potentially significant geologic hazards affecting projects under the 2007 Master Plan include surface fault rupture (at the East Campus site), earthquake ground shaking, liquefaction due to shallow groundwater and loose sands (at the East Campus site), differential seismic settlement due to undocumented artificial fills, and localized areas of expansive soil. Impacts due to hazards from landslides, lateral spreading, tsunami, seiche, subsidence, and cumulative impacts were determined to be less than significant. The 2007 PEIR concluded that any potentially significant impacts would be reduced to a less than significant level with implementation of the identified mitigation measures and compliance with applicable state and local regulations.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR identified that construction of campus projects under the 2009 Master Plan would have potentially significant impacts related to seismically-induced surface deformation and ground shaking, and localized areas of expansive soil. Impacts related to surface rupture, liquefaction, landslides, and subsidence were determined to be less than significant. No impacts related to tsunami or soil erosion would occur. Additionally, the 2009 SEIR determined that seismic settlement would only be a potential significant geologic hazard for the proposed Nursery Property, which is not within the Main Campus boundaries. Cumulative geology and soils impacts would be less than significant. The 2009 SEIR concluded that any potentially significant impacts would be reduced to a less than significant level with implementation of the identified mitigation measures and compliance with applicable State and local regulations.

Mitigation Measures (Summarized)

The following applicable mitigation measures from the 2007 PEIR and 2009 SEIR are incorporated as part of the Modified Project and assumed in the analysis presented in this section; the mitigation measures are presented in their entirety in the MMRP included in Appendix A to this Addendum: GEO-1 (site specific geotechnical investigation addressing surface fault rupture); GEO-2 (seismic design requirements); and GEO-4 (site specific geotechnical investigation addressing seismic settlement).

3.6.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
GEOLOGY AND SOILS – Would the project:				
a) Expose people or structures to potential 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.	☐	☐	☐	☑
ii) Strong seismic ground shaking?	☐	☐	☐	☑
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☐	☑
iv) Landslides?	☐	☐	☐	☑
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☐	☑
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?	☐	☐	☐	☑
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 waste water?	☐	☐	☐	☑

A Geotechnical Investigation was prepared for the Student Services building by Hushmand Associates, Inc. in February 2010 (HAI 2010). The Geotechnical Investigation will be updated prior to construction of the proposed Student Services building, as required by mitigation measure GEO-1. However, the site-specific data in the 2010 Geotechnical Investigation is relevant to the analysis presented in this Addendum, as described below.

a. **No Substantial Change from Previous Analysis**. The physical impact area for the Modified Project is the same as that analyzed in the Previous Environmental Documentation, and there have been no changes related to seismicity. Additionally, there are no proposed changes to the type of use to be developed (administrative and office). Therefore, the proposed Student Services building would be exposed to the same potential seismic hazards as the previously approved Student Services building, and potential impacts would be the same. The Site is not within any designated Alquist-Priolo Fault zone; therefore, the potential for surface fault rupture is considered low (HAI 2010). As identified in the Previous Environmental Documentation, the Site, as with all of the campus and southern California is subject to strong ground shaking during moderate to severe earthquakes. The Site is relatively flat and there are no hillsides in the immediate vicinity; therefore, consistent with the conclusions of the Previous Environmental Documentation, there is a less than significant impact relative

to seismically induced landslides. Additionally, the Site is not located in a liquefaction area and ground water was not encountered during boring conducted at the Site up to a maximum depth of 71.5 feet. Therefore, consistent with the conclusion of the Previous Environmental Documentation, there is a low potential for liquefaction during an earthquake (HAI 2010). The Modified Project incorporates mitigation measures from the 2009 SEIR MMRP, and the Student Services building would be designed and constructed to the applicable seismic design requirements for ground shaking specified in the California Building Code (CBC) (refer to mitigation measure GEO-2), applicable local building codes, and the LACCD regulations. As concluded in the Previous Environmental Documentation, this would ensure that potential impacts related to seismic hazards are less than significant. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects related to seismic hazards.

b,c,d. **No Substantial Change from Previous Analysis**. The physical impact area and local soil conditions for the Modified Project are the same as that analyzed in the Previous Environmental Documentation. As described in the Previous Environmental Documentation, given the nature of the underlying soils, substantial soil erosion or loss of topsoil associated with development of the Site is not anticipated. The use of construction and post-construction best management practices (BMPs) as required by the Stormwater Pollution Prevention Plan (SWPPP) and National Pollutant Discharge Elimination System (NPDES) permitting process would reduce potential erosion to a less than significant impact. As noted above, the Site is not subject to landslides or liquefactions. Additionally, based on laboratory testing, the near-surface soils and granular soil deposits are not expansive (HAI 210). The Modified Project incorporates mitigation measures from the 2009 SEIR MMRP, and the Student Services building would be designed and constructed to the applicable requirements in the CBC, applicable local building codes, and the LACCD regulations. Further, recommendations from site-specific geotechnical investigations would be incorporated in to the project design. As concluded in the Previous Environmental Documentation, this would ensure that potential impacts are less than significant. The Modified Project would not create a new significant impact or a substantial increase in the severity of previously identified effects related to on-site soil conditions.

e. **No Substantial Change from Previous Analysis**. As with other development existing and proposed at the LAMC campus, the Modified Project would not involve the use of septic tanks or alternative wastewater disposal systems. No new significant impacts or increases in the severity of any previously identified significant impacts would occur.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of

new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and

3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the geology and soils analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.7 HAZARDS AND HAZARDOUS MATERIALS

3.7.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the hazards and hazardous materials analysis presented in the 2007 PEIR (Section 3.7) and the 2009 SEIR (Section 3.7).

2007 Facilities Master Plan Program EIR

The 2007 PEIR identified that operations at the campus would continue to be conducted in accordance with applicable regulations and impacts related to the transport, use, disposal, or release of hazardous materials; and emission of hazardous materials near schools would be less than significant. Further it was determined that the campus is not listed on a hazardous materials site, is not located near an airport, would not conflict with an emergency response plan, and is not any a wildland fire hazard area; no impacts related to these issues were identified. Additionally, cumulative impacts were determined to be less than significant. No mitigation related to hazards and hazardous materials were identified in the 2007 PEIR.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR determined that potential impacts related to encountering asbestos and lead-based paint and potentially contaminated soils during construction at the Nursery Property, and potential construction-related impacts to three schools located within 0.25-mile would be potentially significant. Further, the 2009 SEIR identified that the Athletic Fields sites are in a high fire hazard area resulting in a potentially significant impact. With implementation of identified mitigation measures, these impacts were determined to be less than significant. All other project and cumulative impacts related to hazard and hazardous materials, including potential impacts associated with development at the Main Campus, were determined to be less than significant. No mitigation measures were identified for development at the Main Campus related to hazards and hazardous materials.

3.7.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
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 a public use airport, would the project result in a 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?	☐	☐	☐	☑
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☑
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?	☐	☐	☐	☑

a, b. **No Substantial Change from Previous Analysis**. The Modified Project re-activates the Student Services building, which was anticipated in the 2007 and 2009 Master Plans. This building would house office and administrative uses and would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials, or through upset or accident conditions from the release of hazards materials. Consistent with the analysis presented in the Previous Environmental Documentation, as with the existing uses, operation of the Student Services building would involve the use, disposal, and transport of small quantities of hazardous materials and emissions from routine maintenance and operation of various types of equipment. Construction activities may include the use of small quantities of hazardous materials; however, these materials would be used on a temporary basis and not be stored for extended periods of time. The transport, use, storage or disposal of hazardous during construction and operation of the Modified Project would be in accordance with local, state and federal regulations. As concluded in the Previous Environmental Documentation, this would ensure that potential impacts are less than significant. The Modified Project would not create a new significant impact or a

substantial increase in the severity of previously identified effects related to the hazardous materials.

c. **No Substantial Change from Previous Analysis.** Besides educational uses on campus, the closest existing school to the project site is Hubbard Elementary School, approximately 0.2 mile to the west. Consistent with the conclusions of the Previous Environmental Documentation, the Modified Project, which consists of office and administrative uses associated with the proposed Student Services building, would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste above the level that currently exists on campus so it would not impact the campus or any other existing or proposed school in the area. The Modified Project would not create new significant impacts or increases in the severity of any previously identified significant impacts.

d. **No Substantial Change from Previous Analysis.** Based on review of the current Cortese List data resources published on the California Environmental Protection Agency (CalEPA) website, and consistent with the conclusions of the Previous Environmental Documentation, the Site is not included on the Cortese List (CalEPA 2018). No new significant impacts or increases in the severity of any previously identified significant impacts would occur.

e, f. **No Substantial Change from Previous Analysis.** As identified in the Previous Environmental Documentation, the LAMC campus, including the Site, in not within 2 miles of an airport or in the vicinity of a private airstrip. Whiteman Airport is closest airport and is approximately 3.5 miles to the south. No new significant impacts or increases in the severity of any previously identified significant impacts related to aircraft or airport/airstrip hazards would occur.

g. **No Substantial Change from Previous Analysis.** The Modified Project would re-active the Student Services building at the same site that it was anticipated in the 2007 and 2009 Master Plans. As shown on Exhibit 2-6, Conceptual Circulation Plan, fire access roads are located in the vicinity of the Site. The Modified Project would not alter or otherwise interfere with access to the site or the campus. Consistent with the conclusions of the Previous Environmental Documentation, the Modified Project would not interfere with emergency response or evacuation. No new significant impacts or increases in the severity of any previously identified significant impacts would occur.

h. **No Substantial Change from Previous Analysis.** Based on review of the Los Angeles Fire Department Very High Fire Hazard Severity Zone Map (Fire Zone Map), and consistent with the conclusions of the Previous Environmental Documentation, the LAMC Main Campus, including the Site, is not included in a fire hazard area (LAFD 2018). No new significant impacts or increases in the severity of any previously identified significant impacts would occur.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the hazards and hazardous materials analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.8 HYDROLOGY AND WATER QUALITY

3.8.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the hydrology and water quality analysis presented in the 2007 PEIR (Section 3.8) and the 2009 SEIR (Section 3.8).

2007 Facilities Master Plan Program EIR

The 2007 PEIR concluded that surface water quality could be impacted during construction; however, with adherence to Storm Water Pollution Prevention Plan (SWPPP) Best Management Practices (BMPs) and applicable regulations, these impacts would be less than significant. It was also identified that with implementation of anticipated development under the 2007 Master Plan there would be an increase in the quantity of urban pollutants in runoff, particularly in areas that were then undeveloped/open space, and there would be an increase in storm water runoff from the campus resulting in potentially significant impacts. However, with implementation of a storm water management system and associated facilities to address increased runoff and water quality, potential impacts were determined to be less than significant. To manage the increase in runoff on the Main Campus and to meet the 25-year storm design, the following facilities were proposed: a man-made arroyo, grassy swales, detention basin, storm drain pipes, catch basins, area drains, and outlet structures. Structural features to address water quality included the arroyo system, the detention basin, and the installation of hydrodynamic separator unit (to treat runoff from the proposed parking structure). Additionally, source control BMPs would be implemented. The 2007 PEIR also concluded that there would be no impacts related to encroachment in a 100-year flood plain, groundwater, and the potential for dam failure, seiche, tsunami, or mudflow. Cumulative hydrology and water quality impacts were determined to be less than significant.

2009 Facilities Master Plan Subsequent EIR

As with the 2007 PEIR, the 2009 SEIR concluded that preparation of project-specific SWPPPs and implementation of associated BMPs would ensure no significant impact to water quality and discharge flows during construction of projects implementing the 2009 Master Plan. It was also concluded that the Nursery Property, Eldridge Avenue Streetscape Improvements, and Athletic Fields would comply with applicable requirements for drainage and water quality and would not cause significant impacts to water quality or discharge flows. The Athletic Fields project was located within a designated flood plain designed to manage floods; therefore, it was determined there would be a recurring impact to the site from flooding. This potentially significant impact would be addressed by a project-specific Hydraulics and Hydrology Report providing the engineering design criteria necessary for reducing these recurring impacts to the site to a manageable level. Cumulative hydrology and water quality impacts were determined to be less than significant.

Mitigation Measures (Summarized)

The following applicable mitigation measures from the 2007 PEIR and 2009 SEIR are incorporated as part of the Modified Project and assumed in the analysis presented in this section; the mitigation measures are presented in their entirety in the MMRP included in Appendix A to this Addendum: WQ-1 (retention and planting of native vegetation); WQ-2 (minimize the use of pesticides and fertilizers); WQ-3 (follow regulations governing fertilizers); WQ-4 (group plants with similar water requirements); WQ-5 (disposal of green waste); WQ-6 (irrigation); WQ-7 (best practices to minimize erosion); WQ-9 (sheet runoff into biofilters and/or infiltration devices); WQ-11 (use of spill cleanup materials); WQ-12 (anti-litter signage and laws); WQ-14 (litter maintenance); and WQ-15 (employee training).

3.8.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements?	☐	☐	☐	☑
b) Substantially deplete groundwater supplies or interfere substantially 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)?	☐	☐	☐	☑
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 erosion or siltation on- or off-site?	☐	☐	☐	☑
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?	☐	☐	☐	☑
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☐	☑
f) Otherwise substantially degrade water quality?	☐	☐	☐	☑
g) 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?	☐	☐	☐	☑
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	☐	☐	☐	☑
i) 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?	☐	☐	☐	☑
j) Inundation by seiche, tsunami or mudflow?	☐	☐	☐	☑

a, c-f. **No Substantial Change from Previous Analysis.** The Modified Project re-activates the Student Services building that was anticipated in the 2007 and 2009 Master Plans and in campus-wide storm water management planning/design activities. The physical impact area for the Student Services building would be fully in the area analyzed in the Previous Environmental Documentation. The building site currently includes impervious surfaces associated with existing portable structures, and implementation of the Student Services building would not substantially increase the rate or amount of runoff from the site beyond existing drainage conditions and future drainage conditions anticipated in the Previous Environmental Documentation. The dry-well system that has been installed south of the proposed building site and the previously approved dry-bed arroyo system that would be implemented as part of the Student Services building project have been designed and sized to accommodate the proposed

development of the Student Services building at the Site. Additionally, the proposed Student Services building would not increase the amount or change the type of urban pollutants generated at the Site. Consistent with the conclusions of the Previous Environmental Documentation, adherence to applicable regulations related to storm water runoff and water quality, including preparation of a SWPPP and implementation of associated BMPs during construction; installation of storm drain facilities sized to accommodate runoff from the site; and, implementation of structural and non-structural water quality BMPs during operation (including those identified in the mitigation measures from the 2009 SEIR MMRP) would ensure that potential hydrology/drainage and water quality impacts are less than significant. No new significant impacts or increases in the severity of any previously identified significant impacts would occur with implementation of the Modified Project.

b. **No Substantial Change from Previous Analysis**. Groundwater was not encountered in borings drilled to depths of up to 71.5 feet at the Site and the historic highest groundwater depth at the Site is more than 100 feet below the ground surface (HAI 2010). The Modified Project would not affect a groundwater recharge area. Additionally, the Modified Project would not involve any subterranean activities that would encounter groundwater. No new significant impacts or increases in the severity of any previously identified significant impacts would occur with implementation of the Modified Project.

g-j. **No Substantial Change from Previous Analysis**. Consistent with the analysis presented in the Previous Environmental Documentation, the Site is not within a 100-year flood plain. Therefore, the Modified Project would not result in impacts with flooding or placement of structures in a flood plain. Further the Site is not in an area subject to inundation from dam failure, a seiche, tsunami or mudflow. No new significant impacts or increases in the severity of any previously identified significant impacts related to these issues would occur with implementation of the Modified Project.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the hydrology and water quality analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.9 LAND USE AND PLANNING

3.9.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the land use and planning analysis presented in the 2007 PEIR (Section 3.9) and the 2009 SEIR (Section 3.9).

2007 Facilities Master Plan Program EIR

The 2007 Master Plan area addressed in the 2007 PEIR was composed of the LAMC Main Campus, which is already developed and established within the community, and the Harding Street site (East Campus), which was undeveloped with residential uses to the west and south. The 2007 PEIR concluded that construction and operation of uses at the LAMC Main Campus and East Campus under the 2007 Master Plan would not divide an established community. Further, it was concluded that, with the exception of the City of Los Angeles Planning and Zoning Code, implementation of the 2007 Master Plan would not conflict with applicable plans, policies, and regulations, including the City of Los Angeles General Plan Framework Element, Sylmar Community Plan, and the Southern California Association of Governments Regional Comprehensive Plan and Guide. With respect to consistency with the City of Los Angeles Planning and Zoning Code, it was determined that potential impacts would be significant and unavoidable for certain development at the LAMC Main Campus (e.g., the parking structure), and less than significant for the East Campus with the City's issuance of a Conditional Use Permit. A Statement of Overriding Considerations was approved by LACCD for the significant and unavoidable land use impacts.

The 2009 PEIR also identified that the LAMC is not within an applicable habitat conservation or natural community conservation plan, and implementation of the 2007 Master Plan would not contribute to cumulative land use and planning impacts.

2009 Facilities Master Plan Subsequent EIR

In addition to areas covered by the 2007 Master Plan, the 2009 Master Plan addressed proposed development at the Nursery Property (West-of-Hubbard Property), the Athletics Fields, and the proposed Eldridge Avenue Streetscape Improvements. The 2009 SEIR concluded that development of the Nursery Property for educational facilities and public parking is not consistent with zoning requirements for the "RA-1" land use designation pursuant to the Los Angeles Municipal Code. Additionally, development of the LACCD-owned portion of the Athletic Fields as ball fields and related amenities was determined not to be consistent with the zoning requirements for the "OS-1XL" Open Space land use designation pursuant to the Los Angeles Municipal Code. It was concluded that to reduce these impacts to a less than significant level the LACCD could make the finding that the City zoning ordinance was not applicable (for classroom facilities) or obtain a Conditional Use Permit from the City. All other project and cumulative land use impacts, including for the Eldridge Avenue Streetscape Improvements were determined to be less than significant.

3.9.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
LAND USE AND 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?	☐	☐	☐	☑

a. **No Substantial Change from Previous Analysis**. Consistent with the 2007 and 2009 Master Plans, the Site is located on the LAMC Main Campus south of the Media Arts Center, west of Parking Structure A and north of Eldridge Avenue (refer to Exhibit 2-1). The Site is currently occupied by various portable structures. Consistent with conclusions of the Previous Environmental Documentation, the Modified Project would not divide an established community. Therefore, no new significant impacts or increases in the severity of any previously identified significant impacts would occur with the Modified Project.

b. **No Substantial Change from Previous Analysis**. The Modified Project involves re-activation of the Student Services building at the LAMC Main Campus. As identified in the 2009 SEIR, the campus is zoned PF and has a land use designation of Public Facilities. The Modified Project would involve construction of a 3-level building, consistent with Student Services building anticipated in the Previous Environmental Documentation, and specifically the 2009 SEIR. Additionally, the Modified Project does not involve any changes to the proposed uses on campus or at the Site. Operations to be accommodated at the Student Services building are currently being provided elsewhere on campus, and the consolidation of these services was anticipated in the 2007 and 2009 Master Plans. Consistent with conclusions of the previous Environmental Documentation, the Modified Project would not conflict with the City's General Plan Framework of Sylmar Community Plan or zoning.

With respect to regional planning, SCAG adopted the 2016−2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) on April 7, 2016, after approval of the Previous Environmental Documentation. The RTP is a long-range transportation plan that provides a vision for regional transportation investments over a period of 20 years or more. Using growth forecasts and economic trends, the RTP considers the role of transportation in a more holistic light, including economic factors, environmental issues, and quality-of-life goals. The SCS is an element of the RTP that demonstrates the integration of land use, transportation strategies, and transportation investments in the TPSP. This requirement was put in place by the passage of Senate Bill (SB) 375, with the goal of ensuring that the SCAG region can meet its regional greenhouse gas reduction targets set by the California Air Resources Board (CARB).

The Modified Project is not regionally significant, and does not involve any changes to the growth projections for the campus, the City of Los Angeles, or the region. Therefore, consistent with the conclusions of the Previous Environmental Documentation, the Modified Project would not conflict with regional planning programs, including the 2016-2040 RTP/SCS.

No new significant impacts or increases in the severity of any previously identified significant impacts related to land use and planning would occur.

c. **No Substantial Change from Previous Analysis**. Consistent with the conclusions of the Previous Environmental Documentation, the LAMC campus, including the Site, is not within an area covered by a Habitat Conservation Plan or Natural Community Conservation Plan. No new impacts or more severe impacts would result from the Modified Project.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the land use and planning analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.10 NOISE

3.10.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the noise analysis presented in the 2007 PEIR (Section 3.10) and the 2009 SEIR (Section 3.11).

2007 Facilities Master Plan Program EIR

The 2007 PEIR determined that, due to proximity of construction to classrooms and residential areas, construction of projects under the 2007 Master Plan would result in potentially significant construction-related noise impacts. Even with adherence to noise control measures required to be included on construction plans and specifications, and implementation of the identified mitigation measures, construction-related noise impacts were determined to be significant and unavoidable. The LACCD adopted a Statement of Overriding Considerations for these significant and unavoidable impacts.

Operational impacts due to mechanical noise, traffic noise, noise from parking areas, and grounds maintenance, and cumulative noise impacts were determined to be less than significant.

2009 Facilities Master Plan Subsequent EIR

As with the 2007 PEIR, the 2009 SEIR concluded that construction of projects under the 2009 Master Plan would result in potentially significant construction-related noise impacts, even with implementation of identified mitigation measures. The LACCD adopted a Statement of Overriding Considerations for these significant and unavoidable impacts.

The 2009 SEIR also concluded that noise impacts due increased traffic and campus operations, including at the Nursery Property and Athletic Fields, and cumulative noise impacts would be less than significant

Mitigation Measures (Summarized)

The following applicable mitigation measures from the 2007 PEIR and 2009 SEIR are incorporated as part of the Modified Project and assumed in the analysis presented in this section; the mitigation measure is presented in their entirety in the MMRP included in Appendix A to this Addendum: NS-1 (measures to reduce operational noise from mechanical equipment, placement of facilities to reduce noise to receptors, “Good Neighbor” signage). Additionally, best practices for construction noise control listed in MM NS-1 of the 2009 SEIR MMRP, which are generally consistent with the noise control measures to be included in the plans, specifications and bid documents for projects implementing the 2007 Master Plan (listed as Project Features in the 2007 PEIR) would be incorporated into the Modified Project.

3.10.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
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?	☐	☐	☐	☑

a, b, d. **No Substantial Change from Previous Analysis.** The Site is entirely within the physical impact area analyzed for construction-related noise impacts in the Previous Environmental Documentation. The construction activities for the Modified Project would also be consistent with the types and methods of construction activities evaluated. Therefore, temporary construction noise and vibration impacts would not differ from those analyzed in the Previous Environmental Documentation. Some construction activities would generate noise clearly audible at the nearest residential properties, and noise from construction occurring on the Site could temporarily disrupt noise-sensitive activities at residential areas to the south. This noise would be of limited duration and much of the time would not be at the maximum levels. Additionally, construction-related noise control measures identified in MM NS-1 in the 2009 SEIR MMRP would be incorporated into the Modified Project, including the requirement to comply with the City's construction requirements. Nonetheless, maximum construction noise levels would exceed ambient levels and would exceed the City's 5 dBA impact significance threshold. Therefore, construction noise would be a temporary significant and unavoidable impact, consistent with the conclusion of the Previous Environmental Documentation. The Modified Project would not result in any new impacts or substantially more severe impacts compared to that analyzed in the Previous Environmental Documentation. The LAACD adopted a Statement of Overriding Considerations for this impact.

a, c. **No Substantial Change from Previous Analysis.** The Modified Project re-activates the Student Services building previously identified in the 2007 and 2009 Master Plans. The currently proposed 64,000 sf Student Services building would minimally increase the previously anticipated building area by approximately 9,000 sf. No other revisions to previous Master Plan documents are proposed. Notably, with the Modified Project there would be no changes to the projected campus enrollment (15,000 students), which is also consistent with projected campus enrollment in the 2007 and 2009 Master Plans and the 2014 Master Plan Update, as evaluated in the Previous Environmental Documentation. As further discussed in Section 3.13. Transportation/Traffic, of this Addendum, because the Modified Project does not include any growth on campus, there would not be an increase in traffic generation from campus operations. Therefore, the Modified Project would not generate traffic-related noise along local roadways beyond that anticipated in the previous Environmental Documentation.

With respect to operations and permanent increases in noise, the Student Services building would house campus student services and administrative functions currently dispersed throughout the campus, and the College President's office. The Student Services building would not involve any uses that would generate operational noise different than what already occurs on campus or anticipated by the Previous Environmental Documentation. Similarly, noise generated from mechanical equipment (e.g., heating, ventilating, and air conditioning [HVAC] equipment) to serve the building was also addressed in the Previous Environmental Documentation. MM NS-1 from the 2009 SEIR MMRP is incorporated into the Modified Project and includes measures to reduce operational noise. Consistent with the conclusions of the Previous Environmental Documentation, operational noise impacts, including cumulative impacts, from the Modified Project would be less than significant.

The Modified Project would not result in any new significant impacts related to operational noise or the exceedance of long-term noise standards, nor would it result in an increase in the severity of any significant impacts compared to those identified in the Previous Environmental Documentation.

e, f. **No Substantial Change from Previous Analysis.** As identified in the Previous Environmental Documentation, the LAMC campus, including the Site, is not located within an airport land-use plan, within two miles of either a public airport or public-use airport, or within the vicinity of a private airstrip. Therefore, there would be no impact from aircraft noise. The Modified Project would not result in any new impacts or substantially more severe impacts related to airport noise.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of

new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and

3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the noise analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required. A Statement of Overriding Considerations was adopted by the LACCD to address significant and unavoidable construction-related noise impacts.

3.11 PUBLIC SERVICES

3.11.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the public services analysis presented in the 2007 PEIR (Section 3.11) and the 2009 SEIR (Sections 3.12).

2007 Facilities Master Plan Program EIR

The 2007 PEIR evaluated the construction and operational impacts to public services, including police and fire services, school facilities, park facilities, and libraries. The 2007 PEIR concluded that implementation of the 2007 Master Plan would result in no impacts or less than significant impacts related to the need for new or expanded facilities to provide these public services, including cumulative impacts. Impacts to fire protection services were determined to be less significant with planned improvements to water lines to accommodate fire-flow requirements, the provision of fire hydrants in accordance with state and local fire codes, and the inclusion of fire extinguishing systems in building and structures. Although no significant impacts were identified, the 2007 PEIR included mitigation measures to improve the ability of officers to patrol and monitor the LAMC campus and County Recreation Area, thereby reducing the expected demand for police services. Additionally, the 2007 PEIR assumed implementation of building space at the existing Campus Service Building for a Sheriff/Safety Information Center; the impacts from implementation of this facility were addressed in the 2007 PEIR.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR evaluated the construction and operational impacts to public services, including police and fire services and park facilities. The provision of school, library and other public facility services were determined not to be applicable to the 2009 Master Plan and these services were not addressed in the 2009 SEIR. The recommended measures to reduce the demand for police services, the implementation of additional building space for a Sheriff/Safety Information Center, and the installation of fire prevention and extinguishing features included in the 2007 SEIR were also assumed in the 2009 SEIR. Consistent with the 2007 PEIR, the 2009 SEIR concluded that implementation of the 2009 Master Plan would have less than significant impacts, including cumulative impacts, related to the provision of fire and police services and parks.

Mitigation Measure (Summarized)

The following applicable mitigation measure from the 2007 PEIR and 2009 SEIR is incorporated as part of the Modified Project and assumed in the analysis presented in this section; the mitigation measure is presented in its entirety in the MMRP included in Appendix A to this Addendum: PS-2 (design review by the Sheriff's Department).

3.11.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
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:				
Fire protection?	☐	☐	☐	☑
Police protection?	☐	☐	☐	☑
Schools?	☐	☐	☐	☑
Parks?	☐	☐	☐	☑
Other public facilities?	☐	☐	☐	☑

a. **No Substantial Change from Previous Analysis.** As identified in the Previous Environmental Documentation, the LAMC campus, including the Site is within the service area for the Los Angeles County Sheriff's Department (through the Community College Bureau of the Sheriff's Department), City of Los Angeles Police Department (LAPD) (for secondary police protection), the Los Angeles City Fire Department (provides first-response fire protection services), County of Los Angeles Fire Department, Los Angeles Unified School District (LAUSD), and County and City Public Library systems. With respect to police protection services, the Sheriff's Department occupies one of the portable structures currently located at the Student Services building site.

As previously discussed, the Modified Project re-activates the Student Services building previously identified in the 2007 and 2009 Master Plans. There would be a minimal increase (9,000 sf) in the previously anticipated building area (64,000 sf currently proposed compared to the previously approved 55,000 sf building) at the Site, but no increase in the total amount of development anticipated on campus. The 2009 SEIR assumed 631,340 sf of building area on campus and there is currently approximately 384,922 sf of building area. Additionally, The Modified Project would not increase the projected campus enrollment or the demand for public services (fire, police, schools, parks and libraries) beyond that evaluated in the Previous Environmental Documentation (15,000 students).

The Student Services building would be designed and constructed in accordance with applicable local and state fire codes, and the existing and planned water lines have

been sized to accommodate the fire flow requirements. There would be no need for new or expanded infrastructure or fire protection facilities to serve the Modified Project. The Sheriff's Department functions on campus would be moved to a new modular building of the same size (1,920 sf) elsewhere on campus prior to the start of construction for the Student Services building. Given the developed nature of the campus and limited size of the facility, the installation of a new modular building would not result in significant environmental impacts beyond temporary construction impacts consistent with those evaluated in the Previous Environmental Documentation. Additionally, the Modified Project incorporates MM PS-2, which requires review of the final design plans and specifications by the Sheriff's Department to ensure crime prevention design features are included in the building design.

The Modified Project would have a less than significant impact related to public services. No new significant impacts or substantially more severe impacts beyond what was evaluated in the Previous Environmental Documentation related to public services would occur with implementation of the Modified Project.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the public services analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.12 RECREATION

3.12.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the recreation analysis presented in the 2007 PEIR (Section 3.12) and the 2009 SEIR (Section 3.13).

2007 Facilities Master Plan Program EIR

The 2007 PEIR concluded that construction activities associated with projects implementing the 2007 Master Plan would not restrict access to and would not have impacts on recreational facilities in the vicinity of the campus. Further, it was determined implementation of the 2007 Master Plan would not reduce the amount of or create demand for open space or recreational facilities. Impacts related to parkland and recreational facilities, including cumulative impacts, were determined to be less than significant and no mitigation was required.

2009 Facilities Master Plan Subsequent EIR

The 2007 Master Plan involved the implementation of Athletic Fields on property adjacent to and northeast of the East Campus. The 2009 SEIR also concluded that construction activities associated with implementation of the 2009 Master Plan would not restrict access to and would not have impacts on recreational facilities. Further, it was determined that implementation of the 2009 Master Plan would not reduce the amount of or create demand for open space or recreational facilities. Impacts related to parkland and recreational facilities, including construction-related impacts associated with the Athletics Fields and cumulative impacts, were determined to be less than significant and no mitigation was required.

3.12.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
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?	☐	☐	☐	☑
b) Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☑

a, b. **No Substantial Change from Previous Analysis.** As identified in the Previous Environmental Documentation, park services in the area are provided by the City of Los Angeles Recreation and Parks Department and by the Los Angeles County Parks and Recreation Department. The El Cariso Community Regional Park and associated golf course border the LAMC Main Campus to the northeast and southeast.

As previously discussed, the Modified Project re-activates the Student Services building previously identified in the 2007 and 2009 Master Plans, but would not increase the projected campus enrollment (15,000 students). The Modified Project would not involve the implementation of any park or recreational facilities, including the previously approved Athletics Fields, which have been deferred, and would not increase the use of existing parking or other recreational facilities. Therefore, no impacts related to parks and recreation would occur with the Modified Project. No new significant impacts or substantially more severe impacts beyond what was evaluated in the Previous Environmental Documentation would occur.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the recreation analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.13 TRANSPORTATION/TRAFFIC

3.13.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the transportation and traffic analysis presented in the 2007 PEIR (Section 3.13) and the 2009 SEIR (Section 3.14).

2007 Facilities Master Plan Program EIR

The 2007 PEIR determined that implementation of the 2007 Master Plan, which assumed an enrollment of 15,000 students at the LAMC campus and various transportation and transit improvements, would impact 10 intersections and 6 roadway segments under the Future (2010) Base Plus Project conditions; 12 intersections and 6 roadway segments under the Future (2015) Base Plus Project Conditions, and 12 intersections under cumulative conditions. It was also identified that no Congestion Management Plan (CMP) intersections existed within the traffic study area and implementation of the 2007 Master Plan did not warrant a CMP freeway segment analysis. No significant impacts related to parking or site access and circulation were identified. With implementation of identified mitigation measures, it was concluded that potential significant impacts at 11 intersections would be reduced to a less than significant level; however, impacts at the Hubbard Street/I-210 westbound ramps were determined to be significant and unavoidable due to the lack of feasible mitigation. The LACCD adopted a Statement of Overriding Considerations for the significant and unavoidable impact at this intersection.

Although parking is no longer requirement to considered in the environmental impact analysis, the 2007 PEIR concluded that sufficient parking would be provided to accommodate the planned development and growth under the 2007 Master Plan. It was also concluded that no impacts to air traffic patterns would result because the LAMC campus is not located in proximity to an airport.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR evaluated traffic impacts resulting from implementation of the 2009 Master Plan. The analysis also assumed an enrollment of 15,000 students at the LAMC campus, and various identified roadway and intersection improvements, including implementation of transportation/traffic mitigation measures adopted as part of the 2007 Master Plan. The 2009 SEIR concluded that the 2009 Master Plan would have significant impacts at 2 intersections under Future (2015) Base with Project conditions based on the established significant impact criteria: Maclay Avenue/I-210 westbound ramps and Maclay Avenue/Harding Street. Implementation of mitigation measures included in the 2007 SEIR would reduce impacts at all other locations to less than significant levels. Cumulative impacts to two roadway segments were identified: Hubbard Street between Gladstone and Fenton Avenue and Maclay Avenue between Gladstone and Fenton Avenue. The identified impacts at Maclay Avenue /I-210 westbound ramp and the Hubbard Street and Maclay Avenue roadway segments were determined to be significant and unavoidable. The LACCD adopted a Statement of Overriding Considerations for these impacts.

The 2009 SEIR identified that no Congestion Management Plan (CMP) intersections existed within the traffic study area and implementation of the 2007 Master Plan did not warrant a CMP freeway segment analysis. Construction-related traffic impacts, and traffic impacts related to hazards, and emergency access were also determined to be less than significant. Temporary parking impacts were identified at the East Campus, but this impact was determined to be less than significant with mitigation. With implementation of transit improvements and enhanced pedestrian circulation, no impacts to transit and alternative modes of transportation were identified. It was also concluded that no impacts to air traffic patterns would result because the LAMC campus is not located in proximity to an airport.

2014 Facility Master Plan Update Addendum

As discussed in Section 1.3, Previous Approvals and Environmental Documentation, of this Addendum, the LACCD approved an Addendum to the 2009 SEIR in July 2015 to address the elimination or modification of traffic mitigation measures in the 2009 SEIR MMRP due to the reduction in planned development on campus. It was concluded that the changes in mitigation would not create new significant environmental impacts or substantially increase the severity of a significant environmental impact disclosed in the 2007 PEIR and 2009 SEIR. In summary, it was concluded that previously identified mitigation measures:

(1) had been completed by the City and LACCD funding or implementation was no longer required (MM T-2 from the 2009 SEIR [signal at Maclay Street/Harding Street] and Adaptive Traffic Control System and Automatic Traffic Surveillance and Control at five intersections [MM T-3, MM T-4, MM T-7, MM T-9 and MM T-12 from the 2007 PEIR]),

(2) were no longer required due to construction of permanent parking (MM T-5 from the 2009 SEIR which involved a temporary shuttle for the East Campus), and

(3) would still be required (MM T-1, MM T-2, MM T-5, MM T-6, MM T-8, MM T-10, MM T-11, and MM T-13 from the 2007 PEIR).

It should be noted that the Modified Project, which involves re-activation of the Student Services building, does not include any changes to the previously identified growth projections (15,000 students) and would not generate any traffic. Additionally, the Modified Project does not re-active development at the Nursery Property or the Athletic Fields. Therefore, none of the previously identified traffic mitigation measures are applicable to the Modified Project.

3.13.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
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?	☐	☐	☐	☑
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?	☐	☐	☐	☑

a, b. **No Substantial Change from Previous Analysis.** As previously discussed, the Modified Project re-activates the Student Services building previously identified in the 2007 and 2009 Master Plans. No other changes to the 2014 Master Plan Update are proposed. Notably, previously approved development at the West-of-Hubbard/Nursery Property and the Athletic Fields remain deferred in the Modified Project. Additionally, the Modified Project would not increase the projected campus enrollment (15,000 students). It should be noted that in the fall of 2018 approximately 11,850 students were enrolled; LAMC has not reached the previously established enrollment projections.

The Student Services building would house campus student services and administrative functions currently dispersed throughout the campus, and the College President's office. The Student Services building would serve the existing and projected future campus population, and would not involve any uses that would increase the campus enrollment beyond existing conditions. As described in the Previous Environmental Documentation, daily traffic volumes and trip generation for the campus are estimated based on the projected maximum student population based on enrollment. Because the Modified Project, which involves re-activation of the Student Services building, would not increase the projected daily student population or campus enrollment, it would not cause an increase in trip generation. No traffic impacts to study area intersections, roadway segments, or CMP facilities would result

and no previously identified mitigation measures are required to be implemented as part of the Modified Project.

The physical impact area for the Student Services building, including construction staging and laydown, would occur entirely within the LAMC Main Campus, consistent with analysis assumptions in the Previous Environmental Documentation. LAMC would prepare and implement a Construction Traffic Management Plan to provide for traffic management during construction, consistent with LACCD standard practices.

No new significant impacts or substantially more severe traffic impacts would occur during construction and operation of Modified Project beyond what was evaluated in the Previous Environmental Documentation.

c. **No Substantial Change from Previous Analysis.** Consistent with the conclusions of the Previous Environmental Documentation, the Modified Project does not propose any uses that would change air traffic patterns. The LAMC campus, including the Site, is not located within an airport land use plan, nor is it within two miles of an airport. No new significant impacts or substantially more severe impacts beyond what was evaluated in the Previous Environmental Documentation would occur.

d, e, f. **No Substantial Change from Previous Analysis.** The re-activated Student Services is located at the same site as anticipated in the 2007 and 2009 Master Plans and the 2014 Master Plan Update. The Modified Project does not include any new roadways or vehicular access to the site or the campus, and would not conflict with operation of existing roadways and vehicular access, including fire department/emergency access roads located adjacent to the site to the southeast and northeast (refer to Exhibit 2-6, Conceptual Circulation Plan). Similarly, the Modified Project would maintain pedestrian pathways and sidewalks surrounding the site, and would not preclude future implementation of streetscape and pedestrian access improvements along Eldridge Avenue, which continue to be deferred. No new significant impacts or substantially more severe impacts related to hazards, emergency access or alternative modes of transportation would occur with the Modified Project beyond what was evaluated in the Previous Environmental Documentation.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was

not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the transportation/traffic analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

3.14 UTILITIES AND SERVICE SYSTEMS

3.14.1 SUMMARY OF PREVIOUS ENVIRONMENTAL ANALYSIS

This section addresses the utilities and service systems analysis presented in the 2007 PEIR (Section 3.11) and the 2009 SEIR (Section 3.15).

2007 Facilities Master Plan Program EIR

The 2007 PEIR concluded that there were sufficient water supplies to serve development at the LAMC campus anticipated in the 2007 Master Plan, and the installation of new water lines necessary to provide water would not result in significant construction-related impacts. The 2007 PEIR also concluded that there was sufficient capacity for wastewater treatment at the Tillman Water Reclamation Plant and that no new wastewater facilities or sewer lines would be required. Solid waste from construction activities would be reduced through compliance with LACCD construction waste policies. Additionally, it was concluded that there is sufficient capacity in County Class III landfills to accommodate solid waste generated by campus operations under the 2007 Master Plan. Construction and operation at the LAMC campus would comply with all applicable solid waste statutes and regulations. Cumulative water, wastewater, and solid waste impacts were also determined to be less than significant. No mitigation measures related to utilities and service systems were identified.

2009 Facilities Master Plan Subsequent EIR

The 2009 SEIR concluded that implementation of the 2009 Master Plan would not exceed wastewater treatment requirements or require new or expanded water, wastewater treatment, or storm water facilities. Additionally, it was concluded that impacts related to water supply, wastewater treatment, solid waste (landfill capacity and compliance with regulations), and cumulative impacts, were less than significant. No mitigation measures related to utilities and service systems were identified.

3.14.2 MODIFIED PROJECT ENVIRONMENTAL REVIEW

Environmental Issues	New Significant Impact	More Severe Impacts	New Ability to Substantially Reduce Significant Impact	No Substantial Change From Previous Analysis
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?	☐	☐	☐	☑

a-g. No Substantial Change from Previous Analysis. The Site is currently occupied by modular buildings and surrounded by existing development on campus. There are existing water (potable and irrigation), sewer, and storm drain lines installed that would serve the site. Storm drain infrastructure is also discussed in Section 3.8, Hydrology and Water Quality, of this Addendum. The existing infrastructure has been designed and sized assuming development of the Site with the same type of use. The water demand and wastewater generation estimates for the Main Campus are based on the average daily population on campus. Therefore, the Modified Project, which does not change the enrollment projections for the campus and would not increase the daily campus population, would not require new or expanded infrastructure to serve the Site beyond that anticipated in the Previous Environmental Documentation. Similarly, there would not be a substantial change in the amount of solid waste generated at the campus on a daily basis.

It should also be noted that the proposed Student Services building would be designed and constructed in compliance with current city and state building codes, which are more stringent than standards previously in effect, and would be designed to meet a minimum LEED Gold Standard. Because requirements for water conservation and solid waste diversion are more stringent under current conditions it is anticipated that the amount of water consumption, and the amount of wastewater and solid waste generated would be less than estimated in the Previous Environmental Documentation. The Modified Project would also be required to comply with applicable regulations regarding solid waste generation during construction and operation.

Potential impacts to utilities and services systems would be less than significant. No new significant impacts or substantially more severe impacts related to utilities and service

systems would occur with the Modified Project beyond what was evaluated in the Previous Environmental Documentation.

Conclusion

With regard to CEQA Section 21166 and Section 15162 of the State CEQA Guidelines:

1. The Modified Project does not propose substantial changes that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. No substantial changes have occurred with respect to the circumstances under which development of the Modified Project is undertaken that will require major revisions of the Previous Environmental Documentation due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and
3. No new information of substantial importance was found with regards to the Modified Project which would (a) create new significant effects; (b) increase the severity of previously examined significant effects; (c) determine that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects, but was not adopted; or (d) introduce mitigation measures or alternatives that are considerably different from those analyzed in the Previous Environmental Documentation and that would reduce significant impacts.

For these reasons, there are no major revisions required to the utilities service systems analysis provided in the Previous Environmental Documentation, and no revisions to the MMRP are required.

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APPENDIX A

MITIGATION MONITORING AND REPORTING PROGRAM FOR THE LAMC 2009 FACILITIES MASTER PLAN FINAL EIR

APPENDIX L – MITIGATION MONITORING AND REPORTING PROGRAM

The California Environmental Quality Act (CEQA) requires that when a public agency approves a project after certification of an Environmental Impact Report (EIR) and makes CEQA Findings of Fact, the agency must adopt a program of monitoring and reporting on the mitigation measures it has imposed to reduce or avoid significant environmental impacts. The purpose of the Mitigation Monitoring and Reporting Program (MMRP) is to ensure that the mitigation measures are implemented according to the CEQA Findings. This MMRP has been prepared by the Los Angeles Community College District (LACCD) for the Los Angeles Mission College (LAMC) 2009 Facilities Master Plan (2009 Master Plan) EIR, pursuant to State CEQA Guidelines Sections 15091(d) and 15097.

The primary focus of the 2009 Master Plan is to provide a combination of new facilities, renovated facilities, improved recreation and athletic facilities, public spaces, parking and circulation improvements, support facilities and infrastructure, public spaces, landscaping, and off-campus centers to meet the demand imposed by student growth. LAMC anticipates continued growth to approximately 15,000 students.

This MMRP contains all of the mitigation measures adopted with the 2009 Master Plan EIR. The MMRP will be used for each subsequent project developed pursuant to the 2009 Master Plan. The MMRP describes the project phase in which each mitigation measure will be applied; states the monitoring frequency; and specifies who is responsible for the monitoring.

Within 60 days of completion of each subsequent project, and annually during LAMC operations, a written report will be submitted to the LAMC Director of Facilities Services. The report will document compliance with the MMRP, summarize successful compliance activities, and describe corrective actions taken for any instances of non-compliance. This report will be available for public review upon request.

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
AESTHETICS					
IMP AES-1: Athletic Fields buildings, playing fields, and landscape screenings would obstruct views of open space and hillsides, and would reduce visual quality from public views by being incongruous with the partially natural-appearing existing character of the site, and would dominate attention. Until the proposed screen plantings mature at the Athletic Fields, the buildings and playing fields there would remain dominant; thereafter, the impacts would be adverse but less than significant. These interim significant impacts cannot be mitigated to be less than significant. The obstruction of views of open space as seen from the pedestrian path (VP 3) would increase as screen plantings mature, eventually becoming significant. This impact cannot be mitigated to a less-than-significant level.	**MM AES-1**: The LACCD shall require earth tone finishes on all building exteriors at the Athletic Fields site (except for campus graphics).	LAMC	LACCD	Design Phase	None.

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
IMP AES-2: Lighting of the athletic fields would introduce ambient lighting that, in the absolute darkness of the existing site, would appear noticeable. Until the proposed screen plantings mature, the lighting at the Athletic Fields buildings and playing fields would be co-dominant with the existing sources of lighting; thereafter, the impacts would be lessened and be subordinate to those sources. Though reduced by the plantings, the effect of night lighting would remain significant. The impact of night lighting cannot be mitigated beyond the beneficial effect of the proposed screen plantings.	**MM AES-2**: The LACCD shall require a lighting engineer to: 1) take off-site illumination readings once the Athletic Fields are operational; 2) compare the baseline readings to the operational readings; and 3) recommend adjustments to the lighting systems where needed. LACCD shall implement the recommended adjustments where feasible.	LAMC	LACCD	Periodically during design & construction phase Prior to Operations	None.
* Development of the Harding Street site portion of the project may partially obscure the view of the San Gabriel Mountains that are visible in the east, and an impact to a scenic vista would occur.	**MM AES-1***: Design buildings to preserve and maintain hillside views and provide landscape screening to the greatest extent feasible.	LAMC	LACCD	Periodically during design phase	County of Los Angeles Department of Parks and Recreation
Implementation Phase: Design Phase **Monitoring Action:** Inspect design plans to ensure hillside views are maintained and landscape screening is used.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*The proposed project may not be consistent with the Sylmar Community Plan standards regarding: screening of features; exterior elevations, walls and fences; graffiti; parking lot landscaping and; parking structures.	**MM AES-2*:** Screen trash storage areas from the view of public streets or the County park or golf course by solid walls or fences not less than 6 feet high.	LAMC	LACCD	Periodically during design and construction phase	None
	MM AES-3*: Screen all heating, ventilation, air conditioning equipment, and ducts and any other equipment or appurtenances located on roofs from the view of any adjoining public street, or the County park or golf course unless such appurtenances are used as integral elements of the project design.	LAMC	LACCD	Periodically during design and construction phase	None
	MM AES-4*: Locate and/or screen all loading areas from view of any adjoining public streets, walkways, or the County park or golf course.	LAMC	LACCD	Periodically during design and construction phase	None
	MM AES-5*: Provide full architectural treatment that is similar in architectural style, materials, and details, to the main building façade, on all sides of buildings that are visible from adjacent lots or streets, or the County park or golf course.	LAMC	LACCD	Periodically during design and construction phase	None
	MM AES-6*: Minimize opportunities for graffiti by planting shrubs or surface clinging vines in front of solid fences and walls (excluding building walls) facing public rights-of-way, or the County park or golf course.	LAMC	LACCD	Periodically during design and construction phase	None
	MM AES-7*: Paint solid walls or fence surfaces accessible to public view with a washable “graffiti-proof” paint or other protective materials.	LAMC	LACCD	Periodically during design and construction phase	None
	MM AES-8*: Screen vehicles in the structure from public view from a public street, or the County park or golf course through the use of planters and berms.	LAMC	LACCD	Periodically during design and construction phase	None
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Check construction specifications and contracts to ensure mitigation measures are specified. (2) Inspect onsite construction activities to ensure the construction contractor implements measures. (3) Complete monitoring log to document measures are being implemented.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
AIR QUALITY					
*Operation of the proposed project may exceed the SCAQMD thresholds for NO_x, VOC, and CO emissions.	**MM AQ-1***: Develop incentive programs for use of carpools to reduce mobile source emissions.	LAMC	LACCD	Once prior to operations.	MTA
	MM AQ-2*: Improve bus stop (e.g., bus turnouts, passenger benches, and shelters).	LAMC	LACCD	Once at completion of design	None
	MM AQ-3*: Include onsite and offsite bicycle paths and trails, and bicycle parking facilities, such as bicycle lockers and racks, throughout the campus.	LAMC	LACCD	Design	None
	MM AQ-4*: Designate preferential parking areas for carpools and vanpools, and adequate minimum vertical clearance in any parking structures/facilities for vanpool access.	LAMC	LACCD	Design	None
	MM AQ-5*: Synchronize traffic lights on streets impacted by the proposed project.	LAMC	LACCD	Annually	LADOT
	MM AQ-6*: Implement or contribute to public outreach programs to increase awareness about rideshare programs and ways to reduce participation in activities contributing to air pollution.	LAMC	LACCD	Annually	MTA SCAQMD
	MM AQ-7*: Install low NO_x water heaters and energy efficient appliances.	LAMC	LACCD	Design	CEC
	MM AQ-8*: Provide shade trees to reduce building cooling needs.	LAMC	LAMC	Design	None
	MM AQ-9*: Install double-paned windows.	LAMC	LAMC	Design	None
	MM AQ-10*: Install energy efficient lighting.	LAMC	LACCD	Design	None
	MM AQ-11*: Install light-colored roofing materials to reflect heat.	LAMC	LACCD	Design	None
	MM AQ-12*: Increase wall and attic insulation beyond Title 24 requirements.	LAMC	LACCD	Design	None
	MM AQ-13*: Contribute to regional transit systems (e.g., right-of-way, capital improvements, etc.).	LAMC	LACCD	Prior to Operations	MTA
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Exceedance of South Coast Air Quality Management District (SCAQMD) regional and localized construction thresholds for PM_{10} and $PM_{2.5}$	To the extent feasible, incorporate the following standard SCAQMD mitigation measures:				
	MM AQ-1*: Diesel-powered equipment shall use low-sulfur diesel, as defined in SCAQMD Rule 431.2.	LAMC	LACCD	Monthly	None
	MM AQ-2*: Develop and implement a Construction Traffic Emission Management Plan to minimize emissions from vehicles.	LAMC	LACCD	Start of Construction As needed	None
	MM AQ-3*: Suspend all construction equipment during first-stage smog alerts.	LAMC	LACCD	Monthly	None
	MM AQ-4*: Use electricity or alternate fuels for on-site construction equipment instead of diesel equipment.	LAMC	LACCD	Monthly	None
	MM AQ-5*: Maintain construction equipment by conducting regular tune-ups and retard diesel engine timing.	LAMC	LACCD	Monthly	None
	MM AQ-6*: Use electric welders to avoid emissions from gas or diesel welders.	LAMC	LACCD	Monthly	None
	MM AQ-7*: Use on-site electricity or alternative fuels rather than diesel- or gasoline-powered generators.	LAMC	LACCD	Once at start of construction	None
	MM AQ-8*: Evaluate the feasibility of retrofitting the large off-road construction equipment that will be operating for significant periods. Retrofit technologies such as particulate traps, selective catalytic reduction, oxidation catalysts, air enhancement technologies, etc., would be evaluated. These technologies would be used if they are certified by the California Air Resources Board (CARB) and/or the Environmental Protection Agency (EPA), and are commercially available and can feasibly be retrofitted onto construction equipment.	LAMC	LACCD	Weekly	None
	MM AQ-9*: Reduce traffic speeds on all unpaved roads to 15 miles per hour.	LAMC	LACCD	Weekly	None
	MM AQ-10*: Water active sites at least three times daily.	LAMC	LACCD	Weekly	None
	MM AQ-11*: Schedule construction activities to off-peak hours where practical.	LAMC	LACCD	Weekly	None

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
IMP AQ-1: Exceedance of South Coast Air Quality Management District (SCAQMD) regional and localized construction thresholds for PM_{10} and $PM_{2.5}$	To the extent feasible, incorporate the following standard SCAQMD mitigation measures:				
	MM AQ-1a: Diesel-powered equipment shall use low-sulfur diesel, as defined in SCAQMD Rule 431.2.	LAMC	LACCD	Monthly	None
	MM AQ-1b: Develop and implement a Construction Traffic Emission Management Plan to minimize emissions from vehicles.	LAMC	LACCD	Start of Construction	None
	MM AQ-1c: Suspend all construction equipment during first-stage smog alerts.	LAMC	LACCD	As needed	None
	MM AQ-1d: Use electricity or alternate fuels for on-site construction equipment instead of diesel equipment.	LAMC	LACCD	Monthly	None
	MM AQ-1e: Maintain construction equipment by conducting regular tune-ups and retard diesel engine timing.	LAMC	LACCD	Monthly	None
	MM AQ-1f: Use electric welders to avoid emissions from gas or diesel welders.	LAMC	LACCD	Monthly	None
	MM AQ-1g: Use on-site electricity or alternative fuels rather than diesel- or gasoline-powered generators.	LAMC	LACCD	Once at start of construction	None
	MM AQ-1h: Evaluate the feasibility of retrofitting the large off-road construction equipment that will be operating for significant periods. Retrofit technologies such as particulate traps, selective catalytic reduction, oxidation catalysts, air enhancement technologies, etc., would be evaluated. These technologies would be used if they are certified by the California Air Resources Board (CARB) and/or the Environmental Protection Agency (EPA), and are commercially available and can feasibly be retrofitted onto construction equipment.	LAMC	LACCD	Weekly	None
	MM AQ-1i: Reduce traffic speeds on all unpaved roads to 15 miles per hour.	LAMC	LACCD	Weekly	None
	MM AQ-1j: Water active sites at least three times daily.	LAMC	LACCD	Weekly	None
	MM AQ-1k: Schedule construction activities to off-peak hours where practical.	LAMC	LACCD	Weekly	None

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
IMP AQ-2: Exceedance of SCAQMD interim greenhouse gas (GHG) significance threshold	Incorporate the following standard SCAQMD mitigation measures:				
	MM AQ-2a: Use low- or zero-emission vehicles, including construction vehicles.	LAMC	LACCD	Monthly	None
	MM AQ-2b: Create car sharing programs. Accommodations for such programs include providing parking spaces for the car share vehicles at convenient locations accessible by public transportation.	LAMC	LACCD	Design	None
	MM AQ-2c: Increase the cost of driving and parking private vehicles by such measures as imposing tolls and parking fees.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2d: Provide shuttle service to public transit.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2e: Provide public transit incentives such as free or low-cost monthly transit passes.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2f: Provide adequate bicycle parking near building entrances to promote cyclist safety, security, and convenience.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2g: Institute a telecommute and/or flexible work hours program.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2h: Provide information, training, and incentives to encourage participation.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2i: Provide incentives for equipment purchases to allow high-quality teleconferences.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2j: Provide education and information about public transportation.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2k: Develop a commute trip reduction plan that encourages students, staff, and faculty to consider alternative transportation modes.	LAMC	LACCD	Prior to design and operations	None
	MM AQ-2l: Develop a program that allows and promotes bicycling and walking to school. Provide online classes.	LAMC	LACCD	Prior to design and operations	None
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included; (2) Check construction specifications and contracts to ensure mitigation measures are specified;(3) Inspect onsite construction activities to ensure the construction contractor implements measures; and (4) Complete monitoring log to document measures are being implemented.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
BIOLOGICAL RESOURCES					
IMP BIO-1: Impacts to special-status species caused by construction and use of the LAMC Athletic Fields	**MM BIO-1**: Before initiating ground-disturbing activities, complete focused surveys within the native vegetation communities (e.g., coastal sage scrub, alluvial fan sage scrub and willow riparian) to assess the study area for its potential to support coastal California gnatcatcher, least Bell's vireo and special-status plant species. In the event that special-status species are discovered within the study area, obtain an Incidental Take Permit from the CDFG and/or USFWS.	LAMC	LACCD	As needed	USFWS, ACOE, CDFG
IMP BIO-2: Impacts to Migratory Birds Treaty Act (MBTA) and CFGC protected species caused by construction and use of the LAMC Campus and LAMC Athletic Fields	**MM BIO-2**: To comply with Section 10 of the MBTA, and relevant sections of the CFGC (e.g., 3503, 3503.4, 3504, 3505, etc.), any vegetation clearing within the study area should take place outside of the typical avian nesting season (i.e., February 15 to August 31), to the maximum extent practical. Before ground-disturbing activities begin, a qualified biologist shall conduct and submit a nesting bird and raptor survey report. The survey shall occur prior to initiation of project activities and any occupied passerines and/or raptor nests occurring within or adjacent to the study area shall be delineated. To the maximum extent practicable, a minimum buffer zone from occupied nests shall be maintained during physical ground-disturbing activities. Once nesting has been determined to cease, the buffer may be removed.	LAMC	LACCD	As needed	USFWS, ACOE, CDFG
IMP BIO-3: Impacts to special aquatic resource areas – construction and operation of the LAMC Athletic Fields	**MM BIO-3**: Prior to undertaking ground-disturbing activities, LAMC will complete a Preliminary Jurisdictional Determination and consult with the appropriate responsible resource agency (i.e., ACOE, CDFG and/or RWQCB) to determine the limits of their jurisdiction and secure all necessary discretionary permits/authorizations.	LAMC	LACCD	As needed	USFWS, ACOE, CDFG, RWQCB
IMP BIO-4: Impacts to locally protected trees, shrubs, and plants caused by construction and operation of the LAMC Campus and LAMC Athletic Fields	**MM BIO-4**: Prior to undertaking ground-disturbing activities within the project area, LAMC shall coordinate with the City and County to ensure consistency with all local tree, shrub, and plant protection requirements.	LAMC	LACCD	As needed	USFWS, ACOE, CDFG

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					
*Development of the project is not expected to impact sensitive plant species. However, sensitive plants may be found on the Harding Street site during focused surveys in the Spring of 2007.	**MM BIO-1***: The District shall mitigate any potential significant impacts on any Federally or State-listed Threatened or Endangered Species found within the project area during planned 2007 protocol surveys in accordance with a USFWS approved mitigation plan to be developed in consultation with USFWS, prior to Phase I development. If the 2007 focused survey results dictate, the previously approved mitigation plan shall be implemented. The mitigation plan may include, but is not necessarily limited to, the following: • Additional on-site preservation in the form of habitat buffers; • On-site habitat enhancement and restoration; (LAMC) shall develop and implement a "Native Vegetation Restoration and Monitoring Plan" that shall provide for 1:1 on-site replacement of sage scrub habitat and 1:1/2 on-site replacement of non-native grassland affected by the project. The restoration and monitoring plan will become part of LAMC's post-construction general operations and maintenance program. The final plan will be prepared and submitted for CDFG for review and approval prior to construction on the Harding Street site. • The minimization of indirect impacts, such as noise and night lighting (using temporal or physical barriers); and • Construction monitoring.	LAMC	LACCD	As needed	USFWS, CDFG
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Potential for significant impact to nesting birds due to disturbing trees and shrubs on the LAMC campus and trees and patches of vegetation on the Harding Street site.	**MM BIO-2***: The District shall make efforts to schedule any vegetation removal activities (i.e., grading) outside the nesting season (the nesting season is February 15 to August 15) to avoid potential impacts to nesting birds. Prior to vegetation clearing, a qualified biologist will conduct a nesting bird and raptor survey. For these purposes, a qualified biologist would be any individual with sufficient education and field experience in southern California ecology and biology to adequately identify local plant and wildlife species. The surveys shall occur within 72 hours prior to initiation of construction activities to document that no occupied passerines and raptor nests would be impacted from project implementation. If any active nests are detected, a buffer of at least 100 feet shall be delineated, flagged, and avoided until the nesting cycle is complete, as determined by the biological monitor.	LAMC	LACCD	As needed	None
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					
CULTURAL RESOURCES					
IMP CUL-1: Potential impacts to unknown archaeological resources	**MM CUL-1**: The LACCD shall require the presence of an archaeological monitor during all ground-disturbing activities. In the event that any prehistoric or historic cultural resources (chipped or ground stone lithics, animal bone, ashy midden soil, structural remains, historic glass or ceramics, etc.) are discovered during the course of construction, all work in the vicinity shall halt, and the archaeologist shall evaluate the significance of the find, and if significant, identify the proper course for mitigation. Any archaeological resources encountered shall be documented on California Department of Parks and Recreation (DPR) Forms 523 Series and submitted to the South Central Coastal Information Center (SCCIC) at California State University Fullerton (CSUF). Resources shall be identified, cleaned, and curated at a museum or educational institution for the benefit of future generations.	LAMC	LACCD	Prior to site clearing	Native American Heritage Commission Native American affiliated group Native American Most Likely Descendent (MLD) OHP operated SCCIC Los Angeles County Coroner

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
IMP CUL-2: Potential impacts to unknown historic resources at the Nursery Property	**MM CUL-2**: Prior to project implementation, the Hubbard Street Nursery Property shall be evaluated for the presence of cultural resources through a site visit and pedestrian survey, and evaluation of the structure on site. Further recommendations may be warranted, such as monitoring or testing; and if so, shall be implemented by the LAMC.	LAMC	LACCD	Prior to site clearing	Artifact and Fossil Repository (most likely Natural History Museum of Los Angeles County)
IMP CUL-3: Potential impacts to unknown human remains	**MM CUL-3**: The LACCD shall ensure that impacts to cultural resources related to the unanticipated discovery of human remains are reduced to a less-than-significant level by ensuring that, in the event human remains are encountered, construction in the area of the find shall cease, and the remains will stay in situ pending definition of an appropriate plan. The Los Angeles County Coroner will be contacted to determine the origin of the remains. In the event the remains are Native American in origin, the NAHC will be contacted to determine necessary procedures for protection and preservation of the remains, including reburial, as provided in the California Environmental Quality Act (CEQA) Guidelines, Section 15064.5(e), "CEQA and Archaeological Resources," CEQA Technical Advisory Series.	LAMC	LACCD	Prior to site clearing	Native American Heritage Commission Native American affiliated group Native American Most Likely Descendent (MLD) OHP operated SCCIC Los Angeles County Coroner
IMP CUL-4: Potential impacts to unknown paleontological resources	**MM CUL-4**: The LACCD shall ensure that potential impacts to cultural resources shall be reduced to a less-than-significant level whereby in the event paleontological discoveries are encountered, all excavation shall cease in the area of the find and a paleontologist shall be contacted to devise a plan for recovery in accordance with standards for such established by the Society of Vertebrate Paleontology. Any paleontological resources shall be documented and submitted to the Natural History Museum of Los Angeles County for curation.	LAMC	LACCD	Prior to site clearing	Artifact and Fossil Repository (most likely Natural History Museum of Los Angeles County)

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
IMP CUL-5: Potential impacts to unknown Native American resources	**MM CUL-5**: Prior to grading in previously undisturbed areas, LAMC shall contact the Gabrielino Band of Mission Indians and provide for the presence of a Native American monitor during initial site grading.	LAMC	LACCD	Prior to site clearing	Native American Heritage Commission Native American affiliated group Native American Most Likely Descendent (MLD) OHP operated SCCIC Los Angeles County Coroner
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Excavation at the East Campus (Harding Street) site may encounter as yet unknown archaeological resources, human remains, or paleontological resources.	**MM CUL-1***: A Phase I Archaeological Survey of the Harding Street property shall be conducted prior to site clearing, grading, or excavation on the property by a qualified archaeologist (holds a M.A. in archaeology or anthropology) to ascertain the presence of cultural resources within the project site. As a result of the archaeological investigation of the Harding Street property, the qualified archaeologist may make recommendations to avoid or mitigate impacts to archaeological resources. These recommendations may include: 1) monitoring of the project site, and/or 2) data recovery. The LAMC campus does not anticipate the need for an archaeological monitor because this area has already been surveyed and been built upon. **MM CUL-2***: LAMC shall ensure that impacts to cultural resources related to the unanticipated discovery of human remains be reduced to below the level of significance by ensuring that, in the event human remains are encountered, construction in the area of finding shall cease and the remains shall stay in situ pending definition of an appropriate plan. The Los Angeles County Coroner shall be contacted to determine the origin of the remains. In the event the remains are Native American in origin, the Native American Heritage Commission shall be contacted to determine necessary procedures for protection and preservation of remains, including reburial, as provided in the State CEQA Guidelines, Section 15064.5(e), "CEQA and Archaeological Resources," CEQA Technical Advisory Series.	LAMC	LACCD	Prior to site clearing	Native American Heritage Commission Native American affiliated group Native American Most Likely Descendent (MLD) OHP operated SCCIC Los Angeles County Coroner

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Excavation at the East Campus (Harding Street) site may encounter as yet unknown archaeological resources, human remains, or paleontological resources (cont.)	**MM CUL-3***: The potential impact to cultural resources related directly or indirectly to the destruction of a unique paleontological resource or unique geologic feature from the proposed project shall be reduced to below the level of significance by the presence of a qualified paleontological monitor during all ground-disturbing activities. Any paleontological discoveries shall be removed in accordance with standards for such recovery established by the Society of Vertebrate Paleontology. To reduce potential impacts to paleontological resources, the LAMC will: • Obtain a qualified vertebrate paleontologist to review the potential grading plan to identify sediments with a medium or high potential to contain significant paleontological resources within the project sites. • Require the paleontologist to identify required mitigation and actions to facilitate the recovery of fossil resources to the LAMC through the preparation of a mitigation monitoring program. • Require a qualified vertebrate paleontological monitor to monitor excavation in areas likely to contain paleontological resources. The monitor shall be equipped to salvage fossils as they are unearthed to avoid construction delays and to remove samples of sediments that are likely to contain the remains of small fossil vertebrates. • Prepare recovered specimens to a point of identification, including washing of sediments to recover small fossil vertebrates. • Identify and curate specimens into a museum repository with retrievable storage. • Prepare a report of findings with an appended, itemized inventory of the specimens. The report and inventory, when submitted to the appropriate lead agency, signifies the completion of the program to mitigate impacts to paleontological resources.	LAMC	LACCD	Daily-During ground disturbing in sensitive areas.	Artifact and Fossil Repository (most likely Natural Museum of Los Angeles County)

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					
GEOLOGY AND SOILS					
IMP GEO-1: Impacts to structures caused by surface deformation and ground shaking from earthquakes	**MM GEO-1**: Design and construct Nursery Property and Athletic Fields structures to the seismic design requirements for ground shaking specified in the California Building Code (CBC) for Seismic Zone 4, at a minimum.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
IMP GEO-2: Impacts caused by seismic settlement at the Nursery Property	**MM GEO-2**: Site-specific geotechnical and geological investigations that focus on potential seismic settlement, including differential settlement, should be performed as part of the design studies at the Nursery Property. Identified undocumented fills should be removed and recompacted according to standard earthwork recommendations before the construction of any proposed structures.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
IMP GEO-3: Impacts caused by expansive soils at the Nursery Property	**MM GEO-3**: If expansive clayey soils are encountered at the Nursery Property, potentially expansive materials should be removed or mixed with non-expansive soils during grading activities. Appropriate foundation designs shall be used if expansive soils are encountered.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
IMP GEO-4: Impacts caused by liquefaction of soils at the Athletic Fields sites	**MM GEO-4**: Structures shall not be constructed within the limits of, or adjacent to, the Pacoima Wash on the LAMC Athletics Field site unless designs are based on a site-specific geotechnical and geological investigation, performed as part of the design studies, that focuses on potential liquefaction due to the potential for shallow groundwater and potentially liquefiable loose sands.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
IMP GEO-5: Impacts caused by landslides at the Athletic Fields sites	**MM GEO-5**: Site-specific geotechnical and geological investigations that evaluate slope stability should be performed for existing and proposed site slopes.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
IMP GEO-6: Impacts caused by seiche hazards at the Athletic Fields sites	**MM GEO-6**: Site-specific geotechnical and geological investigations that focus on potential seiche hazards shall be performed as part of the design studies. Protection methods such as berms, dams and levees shall be evaluated for effectiveness or constructed.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
IMP GEO-7: Impacts due to erosion at the Athletic Fields sites	**MM GEO-7**: To protect the slope between the Athletic Fields and Pacoima Wash from erosion, site-specific geotechnical, geological and hydrological studies that focus on erosion hazards shall be performed as part of the design studies. Revetment material (rip-rap and concrete lining) shall be properly placed on the west bank of the Pacoima Wash adjacent to the site.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					
*Potentially significant adverse impacts due to surface fault rupture.	**MM GEO-1***: Surface Fault Rupture – Given the potential surface rupture hazard associated with minor shearing and tensional cracking, a design-level, site-specific geologic investigation is recommended to assess the presence or absence of minor surface rupture associated with previous earthquake events. In addition, reinforced foundations are recommended to minimize the effects of minor shearing or tensional cracks associated with future seismic events on nearby faults.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
*Potentially significant adverse impacts due to earthquake ground shaking.	**MM GEO-2***: Earthquake Ground Shaking – The components of the proposed project will be designed and constructed to the seismic design requirements for ground shaking specified in the CBC for Seismic Zone 4, at a minimum.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
*Potentially significant adverse impacts due to liquefaction.	**MM GEO-3***: Liquefaction – Structures will not be constructed within the limits of, or adjacent to, the wash due to the potential for shallow groundwater and potentially loose sands.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
*Potentially significant adverse impacts due to differential seismic settlement.	**MM GEO -4***: Seismic Settlement – Site-specific geotechnical and geological investigations that focus on this potential hazard should be performed as part of the design studies. Identified undocumented fills should be removed and recompacted according to standard earthwork recommendations prior to construction of any proposed structures.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Potentially significant adverse impacts due to expansive soils.	**MM GEO-5***: Expansive Soils – If expansive clayey soils are encountered, potentially expansive materials should be removed or mixed with non-expansive soils during grading activities. Appropriate foundation designs will be used if expansive soils are encountered.	LAMC	LACCD	Once during design and as needed during construction	California Registered Geologist
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					
HAZARDS & HAZARDOUS MATERIALS					
IMP HAZ-1: Potential for asbestos-containing building materials and lead-based painted surfaces to be present onsite.	**MM HAZ-1**: Prior to any demolition activities, building materials shall be sampled and analyzed for asbestos and lead content in accordance with applicable standards and regulations. These materials and any universal wastes onsite, including, but not limited to, mercury switches and thermostats, batteries, and lamps and bulbs (including fluorescent tubes, high-density discharge lamps, sodium vapor lamps, and any lamps that exhibit a characteristic of a hazardous waste) as well as any air conditioning units that may contain chlorofluorocarbons (CFCs) as refrigerants, shall be removed by a licensed contractor and properly disposed of.	LAMC	LACCD	Prior to and during construction (as needed)	DTSC
IMP HAZ-2: The Nursery Property may contain lead, asbestos, pesticides, herbicides, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and metals.	**MM HAZ-2**: A Phase I Hazardous Materials survey shall be performed prior to development of the Nursery Property. If warranted, a Phase II survey shall be performed. Contaminated soils, if any, shall be properly handled and disposed of in accordance with applicable regulations. In addition, soils excavated and graded from the Nursery Property shall be sampled and shall not be reused if found to be hazardous.	LAMC	LACCD	Prior to and during construction (as needed)	DTSC

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
IMP HAZ-3: Hazardous materials were likely used in the commercial nursery and/or stored onsite, including, but not limited to, cleaning supplies, maintenance supplies such as paints and painting related materials, pool treatment chemicals, pesticides, herbicides, and fertilizers.	**MM HAZ-3**: Any hazardous materials and/or wastes found at the Nursery Property shall be properly disposed of offsite in accordance with applicable regulations prior to any demolition activities.	LAMC	LACCD	Prior to and during construction (as needed)	DTSC
IMP HAZ-4: Heavy construction equipment would be used during the proposed project that could result in the combustion or release of flammable fuels, and dust and debris created during demolition activities could expose the public to hazardous materials.	**MM HAZ-4**: A work plan shall be prepared to address the management of accidental releases In the event of an upset or accident and to control dust and debris during demolition. This plan shall be submitted for approval by the appropriate regulatory authorities before any construction activities are performed.	LAMC	LACCD	Prior to and during construction (as needed)	DTSC
IMP HAZ-5: Athletic Fields would be located in a Very High Fire Hazard Severity Zone; construction activities could cause a significant impact related to wildfires.	**MM HAZ-5**: Require fire safety measures during construction activities. Have a water truck always available. Post-construction, add landscaping and irrigation to reduce potential fire severity.	LAMC	LACCD	Prior to and during construction (as needed)	DTSC
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
HYDROLOGY AND WATER QUALITY					
IMP WQ-1: Flooding during construction of Athletic Fields could cause damage to the project, equipment, and staff	**MM WQ-1**: Provide project-specific hydraulics and hydrology report as part of final design to analyze and present engineering design criteria.	LAMC	LACCD	Once during design and as needed during construction	None
IMP WQ-2: Flooding of proposed Athletic Fields during use would cause damage to athletic field structures	**MM WQ-2**: The project shall comply with development guidelines for facilities within the ACOE inundation flood elevations, including floodable restrooms, floodable structures, and field improvements that can sustain inundation within acceptable maintenance costs.	LAMC	LACCD	Once during design and as needed during construction	None
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Pollutant loads, particularly in the undeveloped Harding Street site, will increase for most constituents over existing conditions. In particular, phosphorous will increase 200% over existing conditions in the Harding Street site due to the use of fertilizers.	**MM WQ-1***: Where feasible, retain and/or plant native vegetation because it usually requires less maintenance than new vegetation. When planting or replanting, consider using low-water-use flowers, trees, shrubs, and groundcovers. Consider alternative landscaping techniques such as naturescaping and xeriscaping.	LAMC	LACCD	Once during design, and as needed during construction	None
	MM WQ-2*: Minimize the use of pesticides and fertilizers; read the labels and follow directions to avoid improper use; do not apply chemicals if it is windy or about to rain. Try using organic or non-toxic fertilizer alternatives. Avoid applying chemical fertilizers near curbs, driveways, gutters, ditches, streams, or water bodies. Properly clean up and dispose of spills of landscaping chemicals, fertilizers, or soils. If possible, return the spilled material to the container for future use. Store fertilizers and chemicals in closed, waterproof, labeled containers, in a covered area, or off-ground and under protective tarps.	LAMC	LACCD	Once during design, and as needed during construction	None
	MM WQ-3*: Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers. Follow manufacturers' recommendations and label directions. Employ techniques to minimize off-target application (e.g., spray drift) of fertilizer, including consideration of alternative application techniques. Calibrate fertilizer distributors to avoid excessive application. Periodically test soils for determining proper fertilizer use. Fertilizers should be worked into the soil rather than dumped or broadcast onto the surface. Sweep pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water. Use slow release fertilizers whenever possible to minimize leaching. for short cycles), rain-triggered shutoff devices to prevent irrigation after precipitation and flow hoses, or micro-spray systems where appropriate and feasible.	LAMC	LACCD	Once during design, and as needed during construction.	None

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Pollutant loads, particularly in the undeveloped Harding Street site, will increase for most constituents over existing conditions. In particular, phosphorous will increase 200% over existing conditions in the Harding Street site due to the use of fertilizers (cont.)	**MM WQ-4***: Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements. Design the irrigation system to each landscape area's specific water requirements. Adjust irrigation systems to reflect seasonal water needs. Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system. Implement landscape plans consistent with County or City water conservation resolutions, which may include water sensors, programmable irrigation times (for short cycles), rain-triggered shutoff devices to prevent irrigation after precipitation and flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines. Use drip irrigation, soaker hoses, or micro-spray systems where appropriate and feasible.	LAMC	LACCD	Once during design, and as needed during construction.	None
	MM WQ-5*: Dispose of grass clippings, leaves, sticks, or other collected vegetation as garbage at a permitted landfill or by composting as soon as possible. Do not dispose of gardening wastes in streets, waterways, or storm drainage systems. Place temporarily stockpiled material away from watercourses and storm drain inlets, and berm and/or cover. After landscaping activities, do not sweep or blow clippings and waste into the street or gutter. Avoid hosing down the pavement.	LAMC	LACCD	Once during design, and as needed during construction.	None
	MM WQ-6*: Irrigate slowly or pulse irrigate so the infiltration rate of the soil is not exceeded. Inspect irrigation system regularly for leaks and to ensure that excessive runoff is not occurring. If re-claimed water is used for irrigation, ensure that there is no runoff from the landscaped area(s). Use automatic timers to minimize runoff. Use popup sprinkler heads in areas with a lot of activity or where pipes may be broken. Consider the use of mechanisms that reduce water flow to broken sprinkler heads.	LAMC	LACCD	Once during design, and as needed during construction.	None

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Pollutant loads, particularly in the undeveloped Harding Street site, will increase for most constituents over existing conditions. In particular, phosphorous will increase 200% over existing conditions in the Harding Street site due to the use of fertilizers (cont.)	**MM WQ-7***: Schedule large projects for dry weather. Store stockpiles under plastic tarps to protect them from wind and rain. Cover non-vegetated surfaces to prevent erosion. Use mulches in planter areas without ground cover to minimize sediment in runoff. Leave a vegetative barrier along the property boundary and interior watercourses to act as a pollutant filter, where appropriate and feasible. Develop healthy soil; choose a grass type that thrives in your climate; mow high, often, and with sharp blades; water deeply but not too often.	LAMC	LACCD	Once during design, and as needed during construction.	None
	MM WQ -8*: Clean parking lots on a regular basis to prevent accumulated wastes and pollutants from being discharged into storm drain systems during rainy conditions. When cleaning heavy oily deposits, use absorbent materials on oily spots prior to sweeping or washing. Dispose of used absorbents appropriately.	LAMC	LACCD	Once during design, and as needed during construction.	None
	MM WQ -9*: Allow sheet runoff to flow into biofilters (vegetated strip and swale) and/or infiltration devices. Use sand filters or oleophilic collectors for oily waste in low concentrations. Clean out oil/water/sand separators regularly, especially after heavy storms.	LAMC	LACCD	Once during design, and as needed during construction.	None
	MM WQ -10*: Have designated personnel conduct inspections of the parking facilities and associated storm drain systems on a regular basis. Inspect cleaning equipment/sweepers for leaks on a regular basis.	LAMC	LACCD	Once during design, and as needed during construction.	None
	MM WQ-11*: Have spill cleanup materials readily available and in a known location. Clean up spills immediately and use dry methods if possible. Properly dispose of spill cleanup material.	LAMC	LACCD	Once during design, and as needed during construction.	None
	MM WQ-12*: Post "No Littering" signs, and enforce anti-litter laws.	LAMC	LACCD	Once during design, and as needed during construction.	None

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
*Pollutant loads, particularly in the undeveloped Harding Street site, will increase for most constituents over existing conditions. In particular, phosphorous will increase 200% over existing conditions in the Harding Street site due to the use of fertilizers (cont.)	**MM WQ-13***: Provide trash receptacles in parking lots to discourage litter. Clean out and cover trash receptacles frequently to prevent spillage. Regularly inspect, repair, and/or replace trash receptacles. **MM WQ-14***: Routinely sweep, shovel, and dispose of litter in the trash. Remove litter and debris from drainage grates, trash racks and ditch lines to reduce discharge to the storm water drainage systems and watercourses. **MM WQ-15***: Provide regular training to employees and/or contractors regarding cleaning of paved areas and proper operation of equipment. As a minimum control measure, educational programs for faculty, students, and landscaping contractors with regard to water quality protection will be provided.	LAMC LAMC LAMC	LACCD LACCD LACCD	Once during design, and as needed during construction. Once during design, and as needed during construction. Once during design, and as needed during construction.	None None None
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					
LAND USE					
IMP LU-1: Development of the Nursery Property for educational facilities and public parking is not consistent with existing zoning requirements for the "RA-1" land use designation pursuant to the Los Angeles Municipal Code. Additionally, development of the LACCD-owned portion of the Athletic Fields as ball fields and related amenities is not consistent with the zoning requirements for the "OS-1XL" Open Space land use designation pursuant to the Los Angeles Municipal Code.	**MM LU-1**: The LACCD must either: (1) make the findings that the project constitutes a classroom facility pursuant to Government Code Section 53094, and, by a two-thirds vote of its members, render the City's zoning ordinance inapplicable to a proposed use of property by the school district, provided that the use is for classroom facilities; or (2) obtain a Conditional Use Permit from the City of Los Angeles prior to development of the Nursery Property and Athletic Fields. The LACCD shall design the permanent facility at the Nursery Property to include a green roof.	LAMC	LACCD	Once	City of LA
Implementation Phase: Design Phase **Monitoring Action:** (1) Project proponent will apply for permit with the City of Los Angeles.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
NOISE					
IMP NS-1: Project construction noise at the Nursery Property site and Athletic Fields site would exceed the 5 decibel Community Noise Level Equivalent (CNEL) increase limit as set forth in the City's Draft CEQA Thresholds Guide	Incorporate the noise control measures within the plans, specifications, and estimates ("bid") documents for each construction project to reduce noise impact, including: **MM NS-1a**: Compliance with City of Los Angeles standards for short-term operation of mobile equipment and long-term construction operations of stationary equipment, including noise levels and hours of operations. **MM NS -1b**: Compliance with owner-approved Noise Control Plan. **MM NS-1c**: Preparation of readily visible signs indicating "Noise Control Zone." **MM NS-1d**: Use of noise control devices that meet original specifications and performance. **MM NS-1e**: Use of fixed noise-producing equipment to comply with regulations in the course of project activity. **MM NS-1f**: Use of mobile or fixed noise-producing equipment designed to mitigate noise as much as it is practical. **MM NS-1g**: Use of electrically powered equipment. **MM NS-1h**: Use of noise control techniques, procedures, and acoustically treated equipment to minimize impact noise. **MM NS-1i**: Erection of temporary noise barriers and sound-control curtains where project activity is unavoidably close to noise-sensitive receptors. **MM NS-1j**: Use of route based on the least overall noise impact. **MM NS-1k**: Use of project-related vehicles in designated parking area. **MM NS-1l**: Location of stockpiles, staging areas, and other noise-producing operations as far as practicable from noise-sensitive receptors. **MM NS-1m**: Limitation on use of horns, whistles, alarms, and bells. **MM NS-1n**: Avoidance of loudspeaker within 500 feet of the project boundaries. **MM NS-1o**: Avoidance of shouting, yelling, screaming, or	LAMC	LACCD	Daily	None

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
	profanity at locations outside the project site boundaries. **MM NS-1p:** Limitation of heavy construction haul truck traffic between 9:30 am and 3:30 pm.				
Implementation Phase: Design and Construction Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Check construction specifications and contracts to ensure mitigation measures are specified. (3) Inspect onsite construction activities to ensure the construction contractor implements measures. (4) Complete monitoring log to document measures are being implemented.					
*Potential significant impact to operational noise	**MM NS-1***: LAMC shall implement the following measures to mitigate operational noise: • Specify a low-noise (Lw/PWL ≤9.0 Bel) unit with no predominant pure tones at any locations requiring fans and HVAC units. • Design barriers around HVAC units and other machinery if determined to be necessary in the final design. • Place refuse collection, trash compactors, and loading dock areas in areas that will reduce noise to nearby receptors. • Post "Good Neighbor" sign in parking areas advising all students, faculty, and visitors that due to the presence of nearby residences, unnecessary noise is strongly discouraged.	LAMC	LACCD	Once during design	None
Implementation Phase: Design Phase **Monitoring Action:** (1) Project proponent will apply for permit with the City of Los Angeles.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
PUBLIC FACILITIES					
*Police services are potentially impacted from the anticipated increase in the maximum campus population and development of the proposed project.	**MM PS-1***: The College shall update its police staffing, monitoring, and reporting program in consultation with the County Sheriff's Department to ensure adequate security personnel and response to serve the LAMC facilities during regular contract review cycles.	LAMC	LAMC	Periodically at contract reviews	Los Angeles County Sheriff's Department
	MM PS-2*: The final design plans and specifications for buildings, structures, and landscaping construction projects shall be reviewed and approved by the Sheriff's Department and shall incorporate the following types of crime prevention design features: • Security system. • Indoor and outdoor security lighting and the illumination of entryways and parking areas. • Security landscaping such as plant wall coverings to deter graffiti and thorny plants to deter unwanted entries. • Emergency call boxes at strategic locations on campus. • Indoor and outdoor video monitoring equipment. • Smart card access.	LAMC	LACCD	Prior to Operation	Los Angeles County Office of Public Safety (LACOPS) Los Angeles County Sheriff's Department Los Angeles County Office of Public Safety (LACOPS)
	MM PS-3*: The final design plans and specifications for development shall be reviewed and approved by the LACOPS and shall incorporate crime prevention features into the physical and operational plan, including, but not limited to: • Minimization of areas of concealment. • Security lighting in parking lots.	LACCD	LAMC	Prior to Operations	Los Angeles County Sheriff's Department Los Angeles County Office of Public Safety (LACOPS)
Implementation Phase: Design Phase **Monitoring Action:** (1) Project proponent will apply for permit with the City of Los Angeles.					

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
TRANSPORTATION AND TRAFFIC					
IMP T-2: The Maclay Street/Harding Street intersection would experience LOS F during the PM Peak Hour	**MM T-2**: Signalize intersection prior to Project completion.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
IMP T-5: Inadequate parking at East Campus (temporary until December 2010)	**MM T-5**: Provide a shuttle service from the Main Campus to the East Campus and provide temporary free parking in the parking structure.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
*The proposed Mission College Master Plan buildout is anticipated to contribute traffic volume to the surrounding roadway circulation system resulting in significant project and cumulative traffic impacts at several study intersections.	**MM T-1***: Hubbard Street/Foothill Boulevard: The District shall provide restriping to add a westbound right-turn lane at the completion of Project Construction.	LAMC	LACCD	Once during design	Los Angeles Department of Transportation (LADOT) Caltrans
	MM T-2*: Hubbard Street/I-210 EB Ramps: The District shall fund the purchase and installation of restriping to add a northbound right-turn lane (requires removing parking from NB leg between Foothill Boulevard and EB ramps) at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
	MM T-3*: Hubbard Street/ 210 WB Ramps: The District shall fund the purchase and installation of ATSAC control at this location and for inclusion of the intersection in the ATCS network at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT)
*The proposed Mission College Master Plan buildout is anticipated to contribute traffic volume to the surrounding roadway circulation system resulting in significant project	**MM T-4***: Hubbard Street/Gladstone Avenue: The District shall fund the purchase and installation of ATSAC control at this location and for inclusion of the intersection in the ATCS network at the completion of Project Construction.	LAMC	LACCD	Once	Caltrans Los Angeles Department of Transportation (LADOT) Caltrans

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
and cumulative traffic impacts at several study intersections (cont.)	**MM T-5***: Hubbard Street/Eldridge Avenue: The District shall fund the purchase and installation of ATSAC control at this location and for inclusion of the intersection in the ATCS network, and restriping to add a westbound left-turn lane with necessary signal modifications at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT)
	MM T-6*: Maclay Avenue/Glenoaks Boulevard: The District shall fund the purchase and installation of ATSAC control at this location and for inclusion of the intersection in the ATCS network at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
	MM T-7*: Maclay Avenue/Foothill Boulevard: The District shall fund the purchase and installation of ATSAC control at this location and for inclusion of the intersection in the ATCS network at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
	MM T-8*: Maclay Avenue/I-210 EB Ramps: The District shall fund the purchase and installation of restriping to add a northbound through-right and a southbound left at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
	MM T-9*: Maclay Avenue/I-210 WB Ramps: The District shall fund the purchase and installation of ATSAC control at this location and for inclusion of the intersection in the ATCS network at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
*The proposed Mission College Master Plan build-out is anticipated to contribute traffic volume to the surrounding roadway circulation system resulting in significant project	**MM T-10***: Maclay Avenue/Gladstone Avenue: The District shall provide fund the purchase and installation of a traffic signal at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
and cumulative traffic impacts at several study intersections (cont.)	**MM T-11***: Maclay Avenue/Fenton Avenue: The District shall provide fund the purchase and installation of a traffic signal at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
	MM T-12*: Hubbard Street /Glenoaks Boulevard: The District shall fund the purchase and installation of ATSAC control at this location and for inclusion of the intersection in the ATCS network at the completion of Project Construction.	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
Implementation Phase: T-1: Design Phase. T-2 to T-12: Operation Phase **Monitoring Action:** (1) Inspect designs to ensure measures are included. (2) Inspect funding status to ensure that implementation is consistent with mitigation measures. (3) Complete monitoring log.					
*Neighborhood roadway segments would be impacted by increased traffic.	**MM T-13***: The District shall develop a Neighborhood Traffic Management (NTM) Plan for the neighborhood generally bounded by Eldridge Avenue on the north, Hubbard Street on the west, Maclay Street on the east, and Fenton Avenue on the south. The NTM shall be developed in consultation with LADOT and LAUSD. The NTM shall include a construction traffic management plan which shall be finalized prior to construction; and an operations traffic management which shall be finalized prior to occupation of new Master Plan projects. The plan shall include the following: • Public outreach to residents in affected neighborhoods • Description of existing facility and neighborhood traffic conditions and new roadway counts, if necessary • Descriptions of proposed neighborhood traffic controls, including preliminary street modification plans • Analysis of any change in existing or future patterns as a result of implementation of the plan • Analysis of new area signage program for orientation	LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans
*Neighborhood roadway segments would be impacted by increased traffic (continued)		LAMC	LACCD	Once	Los Angeles Department of Transportation (LADOT) Caltrans

MITIGATION MONITORING AND REPORTING PROGRAM					
Potential Significant Impacts	**Mitigation Measures**	**Implementing Party**	**Monitoring Party**	**Monitoring Frequency**	**Outside Agency Coordination**
	• Presentation of alternatives to the public • Cost estimate and implementation and monitoring program • Funding responsibility and guarantees • Measures to minimize construction traffic and construction-related impacts on local roadways, schools, bus routes, and pedestrian facilities, as described in the Los Angeles Unified School District "Environmental Impact Responses" letter dated December 4th, 2006, Section of the Final EIR • Signage in the study area directing users to the College via major roadways, and signage indicating "Neighborhood Traffic Only and "No Through Traffic" • Speed Humps (neighborhood initiated, College funded) • Traffic Circles (neighborhood initiated, College funded) • Parking Facilities/Access (school-initiated new parking, driveways, and Eldridge Avenue extension) • "Neighborhood Traffic Only" and "No Through Traffic."				

*****Applicable mitigation measures from the LAMC 2007 Facilities Master Plan Final Program EIR MMRP were carried over to this 2009 Facilities Master Plan Final Subsequent EIR MMRP. These mitigation measures appear with an asterisk (*).

APPENDIX B

AIR QUALITY AND GREENHOUSE GAS EMISSIONS MODEL OUTPUT

Los Angeles Mission College Student Services Bldg

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	64.00	1000sqft	1.47	64,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule provided by developer

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed construction equipment usage

Demolition -

Grading - Project specific export quantity

Vehicle Trips - No additional trip generation

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	200.00	478.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	4.00	22.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	2.00	10.00
tblGrading	AcresOfGrading	8.25	1.50
tblGrading	AcresOfGrading	5.00	1.00
tblGrading	MaterialExported	0.00	8,000.00
tblVehicleTrips	ST_TR	11.23	0.00
tblVehicleTrips	SU_TR	1.21	0.00
tblVehicleTrips	WD_TR	27.49	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.4384	25.0298	15.9866	0.0314	1.8799	1.2960	3.1759	0.3171	1.2110	1.5281	0.0000	3,139.5019	3,139.5019	0.6521	0.0000	3,155.8033

2020	2.3402	28.3536	15.1900	0.0503	5.5542	1.2218	6.7760	2.9553	1.1241	4.0794	0.0000	5,277.4668	5,277.4668	0.8367	0.0000	5,295.4395
2021	21.0299	24.0208	25.5117	0.0459	0.5670	1.1999	1.7669	0.1518	1.1435	1.2954	0.0000	4,329.3930	4,329.3930	0.8192	0.0000	4,349.8718
Maximum	**21.0299**	**28.3536**	**25.5117**	**0.0503**	**5.5542**	**1.2960**	**6.7760**	**2.9553**	**1.2110**	**4.0794**	**0.0000**	**5,277.4668**	**5,277.4668**	**0.8367**	**0.0000**	**5,295.4395**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.4384	25.0298	15.9866	0.0314	0.9972	1.2960	2.2932	0.1834	1.2110	1.3945	0.0000	3,139.5019	3,139.5019	0.6521	0.0000	3,155.8033
2020	2.3402	28.3536	15.1900	0.0503	2.9677	1.2218	3.8196	1.3651	1.1241	2.4800	0.0000	5,277.4668	5,277.4668	0.8367	0.0000	5,295.4395
2021	21.0299	24.0208	25.5117	0.0459	0.5670	1.1999	1.7669	0.1518	1.1435	1.2954	0.0000	4,329.3930	4,329.3930	0.8192	0.0000	4,349.8718
Maximum	**21.0299**	**28.3536**	**25.5117**	**0.0503**	**2.9677**	**1.2960**	**3.8196**	**1.3651**	**1.2110**	**2.4800**	**0.0000**	**5,277.4668**	**5,277.4668**	**0.8367**	**0.0000**	**5,295.4395**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**43.36**	**0.00**	**32.76**	**50.34**	**0.00**	**25.11**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4304	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Energy	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.4816**	**0.4656**	**0.3976**	**2.7900e-003**	**0.0000**	**0.0354**	**0.0354**	**0.0000**	**0.0354**	**0.0354**		**558.6345**	**558.6345**	**0.0108**	**0.0102**	**561.9550**

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	1.4304	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.4816**	**0.4656**	**0.3976**	**2.7900e-003**	**0.0000**	**0.0354**	**0.0354**	**0.0000**	**0.0354**	**0.0354**		**558.6345**	**558.6345**	**0.0108**	**0.0102**	**561.9550**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	7/1/2019	8/1/2019	5	24	
2	Site Preparation	Site Preparation	1/2/2020	1/15/2020	5	10	
3	Trenching	Trenching	1/2/2020	1/15/2020	5	10	
4	Grading	Grading	1/16/2020	2/15/2020	5	22	
5	Building Construction	Building Construction	2/16/2020	12/15/2021	5	478	

6	Paving	Paving	11/1/2021	12/15/2021	5	33	
7	Architectural Coating	Architectural Coating	11/1/2021	12/15/2021	5	33	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 96,000; Non-Residential Outdoor: 32,000; Striped Parking Area: 0

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	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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	5	13.00	0.00	178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2019

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					1.6049	0.0000	1.6049	0.2430	0.0000	0.2430			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**	**1.6049**	**1.2863**	**2.8912**	**0.2430**	**1.2017**	**1.4447**		**2,360.7198**	**2,360.7198**	**0.6011**		**2,375.7475**

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	0.0714	2.3019	0.5171	5.8300e-003	0.1297	8.4900e-003	0.1382	0.0355	8.1200e-003	0.0437		630.3052	630.3052	0.0458		631.4512
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	0.0720	0.0529	0.5752	1.4900e-003	0.1453	1.2500e-003	0.1466	0.0385	1.1500e-003	0.0397		148.4770	148.4770	5.1100e-003		148.6047
Total	**0.1434**	**2.3548**	**1.0923**	**7.3200e-003**	**0.2750**	**9.7400e-003**	**0.2847**	**0.0741**	**9.2700e-003**	**0.0834**		**778.7822**	**778.7822**	**0.0510**		**780.0559**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7222	0.0000	0.7222	0.1094	0.0000	0.1094			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**	**0.7222**	**1.2863**	**2.0085**	**0.1094**	**1.2017**	**1.3111**	**0.0000**	**2,360.7197**	**2,360.7197**	**0.6011**		**2,375.7475**

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	0.0714	2.3019	0.5171	5.8300e-003	0.1297	8.4900e-003	0.1382	0.0355	8.1200e-003	0.0437		630.3052	630.3052	0.0458		631.4512
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	0.0720	0.0529	0.5752	1.4900e-003	0.1453	1.2500e-003	0.1466	0.0385	1.1500e-003	0.0397		148.4770	148.4770	5.1100e-003		148.6047
Total	**0.1434**	**2.3548**	**1.0923**	**7.3200e-003**	**0.2750**	**9.7400e-003**	**0.2847**	**0.0741**	**9.2700e-003**	**0.0834**		**778.7822**	**778.7822**	**0.0510**		**780.0559**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3754	0.0000	5.3754	2.9079	0.0000	2.9079			0.0000			0.0000
Off-Road	1.6299	18.3464	7.7093	0.0172		0.8210	0.8210		0.7553	0.7553		1,667.4119	1,667.4119	0.5393		1,680.8937
Total	**1.6299**	**18.3464**	**7.7093**	**0.0172**	**5.3754**	**0.8210**	**6.1963**	**2.9079**	**0.7553**	**3.6632**		**1,667.4119**	**1,667.4119**	**0.5393**		**1,680.8937**

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	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		88.5936	88.5936	2.7900e-003		88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**		**88.5936**	**88.5936**	**2.7900e-003**		**88.6634**

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					2.4189	0.0000	2.4189	1.3086	0.0000	1.3086			0.0000			0.0000
Off-Road	1.6299	18.3464	7.7093	0.0172		0.8210	0.8210		0.7553	0.7553	0.0000	1,667.4119	1,667.4119	0.5393		1,680.8937
Total	**1.6299**	**18.3464**	**7.7093**	**0.0172**	**2.4189**	**0.8210**	**3.2399**	**1.3086**	**0.7553**	**2.0638**	**0.0000**	**1,667.4119**	**1,667.4119**	**0.5393**		**1,680.8937**

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	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		88.5936	88.5936	2.7900e-003		88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**		**88.5936**	**88.5936**	**2.7900e-003**		**88.6634**

3.4 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6285	6.3154	6.8391	9.3200e-003		0.3994	0.3994		0.3674	0.3674		902.3055	902.3055	0.2918		909.6011
Total	**0.6285**	**6.3154**	**6.8391**	**9.3200e-003**		**0.3994**	**0.3994**		**0.3674**	**0.3674**		**902.3055**	**902.3055**	**0.2918**		**909.6011**

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	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		88.5936	88.5936	2.7900e-003		88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**		**88.5936**	**88.5936**	**2.7900e-003**		**88.6634**

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	0.6285	6.3154	6.8391	9.3200e-003		0.3994	0.3994		0.3674	0.3674	0.0000	902.3055	902.3055	0.2918		909.6011

Total	**0.6285**	**6.3154**	**6.8391**	**9.3200e-003**		**0.3994**	**0.3994**		**0.3674**	**0.3674**	**0.0000**	**902.3055**	**902.3055**	**0.2918**		**909.6011**

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	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		88.5936	88.5936	2.7900e-003		88.6634
Total	**0.0409**	**0.0290**	**0.3208**	**8.9000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**		**88.5936**	**88.5936**	**2.7900e-003**		**88.6634**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6300	0.0000	4.6300	2.4967	0.0000	2.4967			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296		1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**1.3498**	**15.0854**	**6.4543**	**0.0141**	**4.6300**	**0.6844**	**5.3144**	**2.4967**	**0.6296**	**3.1263**		**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

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	0.4067	13.2392	3.0780	0.0353	0.7948	0.0424	0.8371	0.2179	0.0405	0.2584		3,823.1549	3,823.1549	0.2744		3,830.0152
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	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		88.5936	88.5936	2.7900e-003		88.6634
Total	**0.4476**	**13.2682**	**3.3988**	**0.0362**	**0.8842**	**0.0431**	**0.9273**	**0.2416**	**0.0412**	**0.2828**		**3,911.7485**	**3,911.7485**	**0.2772**		**3,918.6787**

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					2.0835	0.0000	2.0835	1.1235	0.0000	1.1235			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296	0.0000	1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**1.3498**	**15.0854**	**6.4543**	**0.0141**	**2.0835**	**0.6844**	**2.7679**	**1.1235**	**0.6296**	**1.7532**	**0.0000**	**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

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	0.4067	13.2392	3.0780	0.0353	0.7948	0.0424	0.8371	0.2179	0.0405	0.2584		3,823.1549	3,823.1549	0.2744		3,830.0152
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	0.0409	0.0290	0.3208	8.9000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		88.5936	88.5936	2.7900e-003		88.6634
Total	**0.4476**	**13.2682**	**3.3988**	**0.0362**	**0.8842**	**0.0431**	**0.9273**	**0.2416**	**0.0412**	**0.2828**		**3,911.7485**	**3,911.7485**	**0.2772**		**3,918.6787**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688		2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**		**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

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	0.0372	1.0635	0.3074	2.5200e-003	0.0640	5.0900e-003	0.0691	0.0184	4.8700e-003	0.0233		269.4491	269.4491	0.0180		269.8995
Worker	0.1380	0.0979	1.0827	3.0000e-003	0.3018	2.5200e-003	0.3043	0.0800	2.3200e-003	0.0824		299.0035	299.0035	9.4200e-003		299.2391
Total	**0.1752**	**1.1614**	**1.3901**	**5.5200e-003**	**0.3658**	**7.6100e-003**	**0.3734**	**0.0985**	**7.1900e-003**	**0.1057**		**568.4526**	**568.4526**	**0.0274**		**569.1386**

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	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688	0.0000	2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**	**0.0000**	**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

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	0.0372	1.0635	0.3074	2.5200e-003	0.0640	5.0900e-003	0.0691	0.0184	4.8700e-003	0.0233		269.4491	269.4491	0.0180		269.8995
Worker	0.1380	0.0979	1.0827	3.0000e-003	0.3018	2.5200e-003	0.3043	0.0800	2.3200e-003	0.0824		299.0035	299.0035	9.4200e-003		299.2391
Total	**0.1752**	**1.1614**	**1.3901**	**5.5200e-003**	**0.3658**	**7.6100e-003**	**0.3734**	**0.0985**	**7.1900e-003**	**0.1057**		**568.4526**	**568.4526**	**0.0274**		**569.1386**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**		**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

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	0.0319	0.9689	0.2808	2.5000e-003	0.0640	2.0500e-003	0.0661	0.0184	1.9600e-003	0.0204		267.3455	267.3455	0.0173		267.7770
Worker	0.1287	0.0881	0.9943	2.9100e-003	0.3018	2.4400e-003	0.3042	0.0800	2.2500e-003	0.0823		289.5078	289.5078	8.5200e-003		289.7208
Total	**0.1607**	**1.0570**	**1.2751**	**5.4100e-003**	**0.3658**	**4.4900e-003**	**0.3703**	**0.0985**	**4.2100e-003**	**0.1027**		**556.8533**	**556.8533**	**0.0258**		**557.4978**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**	**0.0000**	**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

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	0.0319	0.9689	0.2808	2.5000e-003	0.0640	2.0500e-003	0.0661	0.0184	1.9600e-003	0.0204		267.3455	267.3455	0.0173		267.7770
Worker	0.1287	0.0881	0.9943	2.9100e-003	0.3018	2.4400e-003	0.3042	0.0800	2.2500e-003	0.0823		289.5078	289.5078	8.5200e-003		289.7208
Total	**0.1607**	**1.0570**	**1.2751**	**5.4100e-003**	**0.3658**	**4.4900e-003**	**0.3703**	**0.0985**	**4.2100e-003**	**0.1027**		**556.8533**	**556.8533**	**0.0258**		**557.4978**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7739**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**		**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

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	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
Total	**0.0620**	**0.0424**	**0.4787**	**1.4000e-003**	**0.1453**	**1.1700e-003**	**0.1465**	**0.0385**	**1.0800e-003**	**0.0396**		**139.3926**	**139.3926**	**4.1000e-003**		**139.4952**

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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7739**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**	**0.0000**	**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

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	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
Total	**0.0620**	**0.0424**	**0.4787**	**1.4000e-003**	**0.1453**	**1.1700e-003**	**0.1465**	**0.0385**	**1.0800e-003**	**0.0396**		**139.3926**	**139.3926**	**4.1000e-003**		**139.4952**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.9782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**18.1971**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152		53.6126	53.6126	1.5800e-003		53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**		**53.6126**	**53.6126**	**1.5800e-003**		**53.6520**

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	17.9782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**18.1971**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152		53.6126	53.6126	1.5800e-003		53.6520
Total	**0.0238**	**0.0163**	**0.1841**	**5.4000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**		**53.6126**	**53.6126**	**1.5800e-003**		**53.6520**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
NaturalGas Unmitigated	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401

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					
Junior College (2Yr)	4748.27	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
Total		**0.0512**	**0.4655**	**0.3910**	**2.7900e-003**		**0.0354**	**0.0354**		**0.0354**	**0.0354**		**558.6205**	**558.6205**	**0.0107**	**0.0102**	**561.9401**

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					

Junior College (2Yr)	4.74827	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
Total		**0.0512**	**0.4655**	**0.3910**	**2.7900e-003**		**0.0354**	**0.0354**		**0.0354**	**0.0354**		**558.6205**	**558.6205**	**0.0107**	**0.0102**	**561.9401**

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	1.4304	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.4304	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

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	0.1625					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	6.1000e-004	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	**1.4304**	**6.0000e-005**	**6.5400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0140**	**0.0140**	**4.0000e-005**		**0.0149**

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	0.1625					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.1000e-004	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	**1.4304**	**6.0000e-005**	**6.5400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0140**	**0.0140**	**4.0000e-005**		**0.0149**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Los Angeles Mission College Student Services Bldg - Los Angeles-South Coast County, Summer

Los Angeles Mission College Student Services Bldg

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	64.00	1000sqft	1.47	64,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule provided by developer

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed construction equipment usage

Demolition -

Grading - Project specific export quantity

Vehicle Trips - No additional trip generation

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	200.00	478.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	4.00	22.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	2.00	10.00
tblGrading	AcresOfGrading	8.25	1.50
tblGrading	AcresOfGrading	5.00	1.00
tblGrading	MaterialExported	0.00	8,000.00
tblVehicleTrips	ST_TR	11.23	0.00
tblVehicleTrips	SU_TR	1.21	0.00
tblVehicleTrips	WD_TR	27.49	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.4296	24.9944	16.0055	0.0316	1.8799	1.2959	3.1758	0.3171	1.2109	1.5280	0.0000	3,159.5832	3,159.5832	0.6507	0.0000	3,175.8502
2020	2.3320	28.1816	15.2490	0.0509	5.5542	1.2218	6.7760	2.9553	1.1241	4.0794	0.0000	5,349.9520	5,349.9520	0.8370	0.0000	5,367.6884
2021	21.0068	24.0086	25.6401	0.0463	0.5670	1.1998	1.7668	0.1518	1.1435	1.2953	0.0000	4,366.8615	4,366.8615	0.8190	0.0000	4,387.3362
Maximum	**21.0068**	**28.1816**	**25.6401**	**0.0509**	**5.5542**	**1.2959**	**6.7760**	**2.9553**	**1.2109**	**4.0794**	**0.0000**	**5,349.9520**	**5,349.9520**	**0.8370**	**0.0000**	**5,367.6884**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	2.4296	24.9944	16.0055	0.0316	0.9972	1.2959	2.2931	0.1834	1.2109	1.3943	0.0000	3,159.5832	3,159.5832	0.6507	0.0000	3,175.8502
2020	2.3320	28.1816	15.2490	0.0509	2.9677	1.2218	3.8196	1.3651	1.1241	2.4800	0.0000	5,349.9520	5,349.9520	0.8370	0.0000	5,367.6884
2021	21.0068	24.0086	25.6401	0.0463	0.5670	1.1998	1.7668	0.1518	1.1435	1.2953	0.0000	4,366.8615	4,366.8615	0.8190	0.0000	4,387.3362
Maximum	**21.0068**	**28.1816**	**25.6401**	**0.0509**	**2.9677**	**1.2959**	**3.8196**	**1.3651**	**1.2109**	**2.4800**	**0.0000**	**5,349.9520**	**5,349.9520**	**0.8370**	**0.0000**	**5,367.6884**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**43.36**	**0.00**	**32.76**	**50.34**	**0.00**	**25.11**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4304	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.4816**	**0.4656**	**0.3976**	**2.7900e-003**	**0.0000**	**0.0354**	**0.0354**	**0.0000**	**0.0354**	**0.0354**		**558.6345**	**558.6345**	**0.0108**	**0.0102**	**561.9550**

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	1.4304	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.4816**	**0.4656**	**0.3976**	**2.7900e-003**	**0.0000**	**0.0354**	**0.0354**	**0.0000**	**0.0354**	**0.0354**		**558.6345**	**558.6345**	**0.0108**	**0.0102**	**561.9550**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	7/1/2019	8/1/2019	5	24	
2	Site Preparation	Site Preparation	1/2/2020	1/15/2020	5	10	
3	Trenching	Trenching	1/2/2020	1/15/2020	5	10	
4	Grading	Grading	1/16/2020	2/15/2020	5	22	
5	Building Construction	Building Construction	2/16/2020	12/15/2021	5	478	
6	Paving	Paving	11/1/2021	12/15/2021	5	33	
7	Architectural Coating	Architectural Coating	11/1/2021	12/15/2021	5	33	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 96,000; Non-Residential Outdoor: 32,000; Striped Parking Area: 0

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	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29

Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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	5	13.00	0.00	178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2019

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					1.6049	0.0000	1.6049	0.2430	0.0000	0.2430			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**	**1.6049**	**1.2863**	**2.8912**	**0.2430**	**1.2017**	**1.4447**		**2,360.7198**	**2,360.7198**	**0.6011**		**2,375.7475**

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	0.0697	2.2716	0.4843	5.9300e-003	0.1297	8.3400e-003	0.1380	0.0355	7.9700e-003	0.0435		641.1796	641.1796	0.0442		642.2835
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	0.0649	0.0477	0.6268	1.5800e-003	0.1453	1.2500e-003	0.1466	0.0385	1.1500e-003	0.0397		157.6839	157.6839	5.4200e-003		157.8193
Total	**0.1346**	**2.3193**	**1.1111**	**7.5100e-003**	**0.2750**	**9.5900e-003**	**0.2846**	**0.0741**	**9.1200e-003**	**0.0832**		**798.8634**	**798.8634**	**0.0496**		**800.1028**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7222	0.0000	0.7222	0.1094	0.0000	0.1094			0.0000			0.0000
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475

Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**	**0.7222**	**1.2863**	**2.0085**	**0.1094**	**1.2017**	**1.3111**	**0.0000**	**2,360.7197**	**2,360.7197**	**0.6011**		**2,375.7475**

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	0.0697	2.2716	0.4843	5.9300e-003	0.1297	8.3400e-003	0.1380	0.0355	7.9700e-003	0.0435		641.1796	641.1796	0.0442		642.2835
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	0.0649	0.0477	0.6268	1.5800e-003	0.1453	1.2500e-003	0.1466	0.0385	1.1500e-003	0.0397		157.6839	157.6839	5.4200e-003		157.8193
Total	**0.1346**	**2.3193**	**1.1111**	**7.5100e-003**	**0.2750**	**9.5900e-003**	**0.2846**	**0.0741**	**9.1200e-003**	**0.0832**		**798.8634**	**798.8634**	**0.0496**		**800.1028**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3754	0.0000	5.3754	2.9079	0.0000	2.9079			0.0000			0.0000
Off-Road	1.6299	18.3464	7.7093	0.0172		0.8210	0.8210		0.7553	0.7553		1,667.4119	1,667.4119	0.5393		1,680.8937
Total	**1.6299**	**18.3464**	**7.7093**	**0.0172**	**5.3754**	**0.8210**	**6.1963**	**2.9079**	**0.7553**	**3.6632**		**1,667.4119**	**1,667.4119**	**0.5393**		**1,680.8937**

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	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**		**94.0890**	**94.0890**	**2.9700e-003**		**94.1632**

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					2.4189	0.0000	2.4189	1.3086	0.0000	1.3086			0.0000			0.0000
Off-Road	1.6299	18.3464	7.7093	0.0172		0.8210	0.8210		0.7553	0.7553	0.0000	1,667.4119	1,667.4119	0.5393		1,680.8937
Total	**1.6299**	**18.3464**	**7.7093**	**0.0172**	**2.4189**	**0.8210**	**3.2399**	**1.3086**	**0.7553**	**2.0638**	**0.0000**	**1,667.4119**	**1,667.4119**	**0.5393**		**1,680.8937**

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	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**		**94.0890**	**94.0890**	**2.9700e-003**		**94.1632**

3.4 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6285	6.3154	6.8391	9.3200e-003		0.3994	0.3994		0.3674	0.3674		902.3055	902.3055	0.2918		909.6011
Total	**0.6285**	**6.3154**	**6.8391**	**9.3200e-003**		**0.3994**	**0.3994**		**0.3674**	**0.3674**		**902.3055**	**902.3055**	**0.2918**		**909.6011**

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	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**		**94.0890**	**94.0890**	**2.9700e-003**		**94.1632**

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	0.6285	6.3154	6.8391	9.3200e-003		0.3994	0.3994		0.3674	0.3674	0.0000	902.3055	902.3055	0.2918		909.6011
Total	**0.6285**	**6.3154**	**6.8391**	**9.3200e-003**		**0.3994**	**0.3994**		**0.3674**	**0.3674**	**0.0000**	**902.3055**	**902.3055**	**0.2918**		**909.6011**

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	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.0368**	**0.0262**	**0.3503**	**9.4000e-004**	**0.0894**	**7.5000e-004**	**0.0902**	**0.0237**	**6.9000e-004**	**0.0244**		**94.0890**	**94.0890**	**2.9700e-003**		**94.1632**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6300	0.0000	4.6300	2.4967	0.0000	2.4967			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296		1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**1.3498**	**15.0854**	**6.4543**	**0.0141**	**4.6300**	**0.6844**	**5.3144**	**2.4967**	**0.6296**	**3.1263**		**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

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	0.3970	13.0700	2.8962	0.0359	0.7948	0.0417	0.8365	0.2179	0.0399	0.2578		3,890.1446	3,890.1446	0.2648		3,896.7643
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	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.4339**	**13.0962**	**3.2465**	**0.0368**	**0.8842**	**0.0425**	**0.9266**	**0.2416**	**0.0406**	**0.2822**		**3,984.2337**	**3,984.2337**	**0.2678**		**3,990.9275**

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					2.0835	0.0000	2.0835	1.1235	0.0000	1.1235			0.0000			0.0000

Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296	0.0000	1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**1.3498**	**15.0854**	**6.4543**	**0.0141**	**2.0835**	**0.6844**	**2.7679**	**1.1235**	**0.6296**	**1.7532**	**0.0000**	**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

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	0.3970	13.0700	2.8962	0.0359	0.7948	0.0417	0.8365	0.2179	0.0399	0.2578		3,890.1446	3,890.1446	0.2648		3,896.7643
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	0.0368	0.0262	0.3503	9.4000e-004	0.0894	7.5000e-004	0.0902	0.0237	6.9000e-004	0.0244		94.0890	94.0890	2.9700e-003		94.1632
Total	**0.4339**	**13.0962**	**3.2465**	**0.0368**	**0.8842**	**0.0425**	**0.9266**	**0.2416**	**0.0406**	**0.2822**		**3,984.2337**	**3,984.2337**	**0.2678**		**3,990.9275**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688		2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**		**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

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	0.0356	1.0637	0.2787	2.5900e-003	0.0640	5.0100e-003	0.0690	0.0184	4.7900e-003	0.0232		277.0247	277.0247	0.0169		277.4473
Worker	0.1243	0.0884	1.1822	3.1900e-003	0.3018	2.5200e-003	0.3043	0.0800	2.3200e-003	0.0824		317.5505	317.5505	0.0100		317.8008
Total	**0.1598**	**1.1521**	**1.4609**	**5.7800e-003**	**0.3658**	**7.5300e-003**	**0.3734**	**0.0985**	**7.1100e-003**	**0.1056**		**594.5752**	**594.5752**	**0.0269**		**595.2481**

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	2.0305	14.7882	13.1881	0.0220		0.7960	0.7960		0.7688	0.7688	0.0000	2,001.1595	2,001.1595	0.3715		2,010.4467
Total	**2.0305**	**14.7882**	**13.1881**	**0.0220**		**0.7960**	**0.7960**		**0.7688**	**0.7688**	**0.0000**	**2,001.1595**	**2,001.1595**	**0.3715**		**2,010.4467**

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	0.0356	1.0637	0.2787	2.5900e-003	0.0640	5.0100e-003	0.0690	0.0184	4.7900e-003	0.0232		277.0247	277.0247	0.0169		277.4473
Worker	0.1243	0.0884	1.1822	3.1900e-003	0.3018	2.5200e-003	0.3043	0.0800	2.3200e-003	0.0824		317.5505	317.5505	0.0100		317.8008
Total	**0.1598**	**1.1521**	**1.4609**	**5.7800e-003**	**0.3658**	**7.5300e-003**	**0.3734**	**0.0985**	**7.1100e-003**	**0.1056**		**594.5752**	**594.5752**	**0.0269**		**595.2481**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**		**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

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	0.0304	0.9709	0.2538	2.5700e-003	0.0640	1.9900e-003	0.0660	0.0184	1.9000e-003	0.0203		274.8806	274.8806	0.0162		275.2855
Worker	0.1157	0.0796	1.0875	3.0900e-003	0.3018	2.4400e-003	0.3042	0.0800	2.2500e-003	0.0823		307.4679	307.4679	9.0600e-003		307.6944
Total	**0.1461**	**1.0504**	**1.3413**	**5.6600e-003**	**0.3658**	**4.4300e-003**	**0.3702**	**0.0985**	**4.1500e-003**	**0.1026**		**582.3485**	**582.3485**	**0.0253**		**582.9798**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	**1.8125**	**13.6361**	**12.8994**	**0.0221**		**0.6843**	**0.6843**		**0.6608**	**0.6608**	**0.0000**	**2,001.2200**	**2,001.2200**	**0.3573**		**2,010.1517**

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	0.0304	0.9709	0.2538	2.5700e-003	0.0640	1.9900e-003	0.0660	0.0184	1.9000e-003	0.0203		274.8806	274.8806	0.0162		275.2855
Worker	0.1157	0.0796	1.0875	3.0900e-003	0.3018	2.4400e-003	0.3042	0.0800	2.2500e-003	0.0823		307.4679	307.4679	9.0600e-003		307.6944
Total	**0.1461**	**1.0504**	**1.3413**	**5.6600e-003**	**0.3658**	**4.4300e-003**	**0.3702**	**0.0985**	**4.1500e-003**	**0.1026**		**582.3485**	**582.3485**	**0.0253**		**582.9798**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7739**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**		**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

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	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
Total	**0.0557**	**0.0383**	**0.5236**	**1.4900e-003**	**0.1453**	**1.1700e-003**	**0.1465**	**0.0385**	**1.0800e-003**	**0.0396**		**148.0401**	**148.0401**	**4.3600e-003**		**148.1491**

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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7739**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**	**0.0000**	**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

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	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
Total	**0.0557**	**0.0383**	**0.5236**	**1.4900e-003**	**0.1453**	**1.1700e-003**	**0.1465**	**0.0385**	**1.0800e-003**	**0.0396**		**148.0401**	**148.0401**	**4.3600e-003**		**148.1491**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.9782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**18.1971**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152		56.9385	56.9385	1.6800e-003		56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**		**56.9385**	**56.9385**	**1.6800e-003**		**56.9804**

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	17.9782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**18.1971**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152		56.9385	56.9385	1.6800e-003		56.9804
Total	**0.0214**	**0.0147**	**0.2014**	**5.7000e-004**	**0.0559**	**4.5000e-004**	**0.0563**	**0.0148**	**4.2000e-004**	**0.0152**		**56.9385**	**56.9385**	**1.6800e-003**		**56.9804**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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

Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
NaturalGas Unmitigated	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401

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					
Junior College (2Yr)	4748.27	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401

Total		**0.0512**	**0.4655**	**0.3910**	**2.7900e-003**		**0.0354**	**0.0354**		**0.0354**	**0.0354**		**558.6205**	**558.6205**	**0.0107**	**0.0102**	**561.9401**

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					
Junior College (2Yr)	4.74827	0.0512	0.4655	0.3910	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.6205	558.6205	0.0107	0.0102	561.9401
Total		**0.0512**	**0.4655**	**0.3910**	**2.7900e-003**		**0.0354**	**0.0354**		**0.0354**	**0.0354**		**558.6205**	**558.6205**	**0.0107**	**0.0102**	**561.9401**

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	1.4304	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.4304	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

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	0.1625					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.1000e-004	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	**1.4304**	**6.0000e-005**	**6.5400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0140**	**0.0140**	**4.0000e-005**		**0.0149**

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	0.1625					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.1000e-004	6.0000e-005	6.5400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	**1.4304**	**6.0000e-005**	**6.5400e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0140**	**0.0140**	**4.0000e-005**		**0.0149**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Los Angeles Mission College Student Services Bldg - Los Angeles-South Coast County, Annual

Los Angeles Mission College Student Services Bldg

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	64.00	1000sqft	1.47	64,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	12			**Operational Year**	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule provided by developer

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Assumed construction equipment usage

Demolition -

Grading - Project specific export quantity

Vehicle Trips - No additional trip generation

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	200.00	478.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	4.00	22.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	2.00	10.00
tblGrading	AcresOfGrading	8.25	1.50
tblGrading	AcresOfGrading	5.00	1.00
tblGrading	MaterialExported	0.00	8,000.00
tblVehicleTrips	ST_TR	11.23	0.00
tblVehicleTrips	SU_TR	1.21	0.00
tblVehicleTrips	WD_TR	27.49	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0292	0.3009	0.1918	3.8000e-004	0.0225	0.0156	0.0381	3.7900e-003	0.0145	0.0183	0.0000	34.2728	34.2728	7.0900e-003	0.0000	34.4501
2020	0.2822	2.2672	1.8543	3.8700e-003	0.1293	0.1061	0.2354	0.0559	0.1018	0.1578	0.0000	333.4252	333.4252	0.0523	0.0000	334.7328

2021	0.5583	1.9858	1.9538	3.7300e-003	0.0479	0.0942	0.1421	0.0129	0.0907	0.1036	0.0000	316.5202	316.5202	0.0497	0.0000	317.7638
Maximum	**0.5583**	**2.2672**	**1.9538**	**3.8700e-003**	**0.1293**	**0.1061**	**0.2354**	**0.0559**	**0.1018**	**0.1578**	**0.0000**	**333.4252**	**333.4252**	**0.0523**	**0.0000**	**334.7328**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0292	0.3009	0.1918	3.8000e-004	0.0119	0.0156	0.0275	2.1900e-003	0.0145	0.0167	0.0000	34.2728	34.2728	7.0900e-003	0.0000	34.4500
2020	0.2822	2.2672	1.8543	3.8700e-003	0.0865	0.1061	0.1927	0.0328	0.1018	0.1347	0.0000	333.4249	333.4249	0.0523	0.0000	334.7325
2021	0.5583	1.9858	1.9538	3.7300e-003	0.0479	0.0942	0.1421	0.0129	0.0907	0.1036	0.0000	316.5199	316.5199	0.0497	0.0000	317.7635
Maximum	**0.5583**	**2.2672**	**1.9538**	**3.8700e-003**	**0.0865**	**0.1061**	**0.1927**	**0.0328**	**0.1018**	**0.1347**	**0.0000**	**333.4249**	**333.4249**	**0.0523**	**0.0000**	**334.7325**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**26.72**	**0.00**	**12.84**	**34.01**	**0.00**	**8.83**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2019**	**9-30-2019**	0.3134	0.3134
3	**1-1-2020**	**3-31-2020**	0.7609	0.7609
4	**4-1-2020**	**6-30-2020**	0.5892	0.5892
5	**7-1-2020**	**9-30-2020**	0.5957	0.5957
6	**10-1-2020**	**12-31-2020**	0.5965	0.5965
7	**1-1-2021**	**3-31-2021**	0.5357	0.5357
8	**4-1-2021**	**6-30-2021**	0.5410	0.5410
9	**7-1-2021**	**9-30-2021**	0.5469	0.5469
		Highest	0.7609	0.7609

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	0.2610	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Energy	9.3500e-003	0.0850	0.0714	5.1000e-004		6.4600e-003	6.4600e-003		6.4600e-003	6.4600e-003	0.0000	449.6542	449.6542	0.0102	3.4400e-003	450.9348
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	16.8889	0.0000	16.8889	0.9981	0.0000	41.8414
Water						0.0000	0.0000		0.0000	0.0000	0.9959	53.1475	54.1435	0.1035	2.6700e-003	57.5292
Total	**0.2704**	**0.0850**	**0.0722**	**5.1000e-004**	**0.0000**	**6.4600e-003**	**6.4600e-003**	**0.0000**	**6.4600e-003**	**6.4600e-003**	**17.8848**	**502.8033**	**520.6881**	**1.1119**	**6.1100e-003**	**550.3070**

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	0.2610	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Energy	9.3500e-003	0.0850	0.0714	5.1000e-004		6.4600e-003	6.4600e-003		6.4600e-003	6.4600e-003	0.0000	449.6542	449.6542	0.0102	3.4400e-003	450.9348
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	16.8889	0.0000	16.8889	0.9981	0.0000	41.8414
Water						0.0000	0.0000		0.0000	0.0000	0.9959	53.1475	54.1435	0.1035	2.6700e-003	57.5292
Total	**0.2704**	**0.0850**	**0.0722**	**5.1000e-004**	**0.0000**	**6.4600e-003**	**6.4600e-003**	**0.0000**	**6.4600e-003**	**6.4600e-003**	**17.8848**	**502.8033**	**520.6881**	**1.1119**	**6.1100e-003**	**550.3070**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	7/1/2019	8/1/2019	5	24	
2	Site Preparation	Site Preparation	1/2/2020	1/15/2020	5	10	
3	Trenching	Trenching	1/2/2020	1/15/2020	5	10	
4	Grading	Grading	1/16/2020	2/15/2020	5	22	
5	Building Construction	Building Construction	2/16/2020	12/15/2021	5	478	
6	Paving	Paving	11/1/2021	12/15/2021	5	33	
7	Architectural Coating	Architectural Coating	11/1/2021	12/15/2021	5	33	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 96,000; Non-Residential Outdoor: 32,000; Striped Parking Area: 0

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	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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	5	13.00	0.00	178.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2019

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					0.0193	0.0000	0.0193	2.9200e-003	0.0000	2.9200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0275	0.2721	0.1787	2.9000e-004		0.0154	0.0154		0.0144	0.0144	0.0000	25.6993	25.6993	6.5400e-003	0.0000	25.8629
Total	**0.0275**	**0.2721**	**0.1787**	**2.9000e-004**	**0.0193**	**0.0154**	**0.0347**	**2.9200e-003**	**0.0144**	**0.0173**	**0.0000**	**25.6993**	**25.6993**	**6.5400e-003**	**0.0000**	**25.8629**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.5000e-004	0.0282	5.9800e-003	7.0000e-005	1.5300e-003	1.0000e-004	1.6300e-003	4.2000e-004	1.0000e-004	5.2000e-004	0.0000	6.9303	6.9303	4.9000e-004	0.0000	6.9425
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	6.5000e-004	7.0800e-003	2.0000e-005	1.7100e-003	2.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.7000e-004	0.0000	1.6432	1.6432	6.0000e-005	0.0000	1.6447
Total	**1.6300e-003**	**0.0288**	**0.0131**	**9.0000e-005**	**3.2400e-003**	**1.2000e-004**	**3.3500e-003**	**8.7000e-004**	**1.1000e-004**	**9.9000e-004**	**0.0000**	**8.5735**	**8.5735**	**5.5000e-004**	**0.0000**	**8.5872**

Mitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Fugitive Dust					8.6700e-003	0.0000	8.6700e-003	1.3100e-003	0.0000	1.3100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0275	0.2721	0.1787	2.9000e-004		0.0154	0.0154		0.0144	0.0144	0.0000	25.6993	25.6993	6.5400e-003	0.0000	25.8629
Total	**0.0275**	**0.2721**	**0.1787**	**2.9000e-004**	**8.6700e-003**	**0.0154**	**0.0241**	**1.3100e-003**	**0.0144**	**0.0157**	**0.0000**	**25.6993**	**25.6993**	**6.5400e-003**	**0.0000**	**25.8629**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.5000e-004	0.0282	5.9800e-003	7.0000e-005	1.5300e-003	1.0000e-004	1.6300e-003	4.2000e-004	1.0000e-004	5.2000e-004	0.0000	6.9303	6.9303	4.9000e-004	0.0000	6.9425
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	6.5000e-004	7.0800e-003	2.0000e-005	1.7100e-003	2.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.7000e-004	0.0000	1.6432	1.6432	6.0000e-005	0.0000	1.6447
Total	**1.6300e-003**	**0.0288**	**0.0131**	**9.0000e-005**	**3.2400e-003**	**1.2000e-004**	**3.3500e-003**	**8.7000e-004**	**1.1000e-004**	**9.9000e-004**	**0.0000**	**8.5735**	**8.5735**	**5.5000e-004**	**0.0000**	**8.5872**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0269	0.0000	0.0269	0.0145	0.0000	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1500e-003	0.0917	0.0386	9.0000e-005		4.1000e-003	4.1000e-003		3.7800e-003	3.7800e-003	0.0000	7.5633	7.5633	2.4500e-003	0.0000	7.6244

Total	**8.1500e-003**	**0.0917**	**0.0386**	**9.0000e-005**	**0.0269**	**4.1000e-003**	**0.0310**	**0.0145**	**3.7800e-003**	**0.0183**	**0.0000**	**7.5633**	**7.5633**	**2.4500e-003**	**0.0000**	**7.6244**

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	1.8000e-004	1.5000e-004	1.6500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4085	0.4085	1.0000e-005	0.0000	0.4089
Total	**1.8000e-004**	**1.5000e-004**	**1.6500e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.4085**	**0.4085**	**1.0000e-005**	**0.0000**	**0.4089**

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					0.0121	0.0000	0.0121	6.5400e-003	0.0000	6.5400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1500e-003	0.0917	0.0386	9.0000e-005		4.1000e-003	4.1000e-003		3.7800e-003	3.7800e-003	0.0000	7.5632	7.5632	2.4500e-003	0.0000	7.6244
Total	**8.1500e-003**	**0.0917**	**0.0386**	**9.0000e-005**	**0.0121**	**4.1000e-003**	**0.0162**	**6.5400e-003**	**3.7800e-003**	**0.0103**	**0.0000**	**7.5632**	**7.5632**	**2.4500e-003**	**0.0000**	**7.6244**

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	1.8000e-004	1.5000e-004	1.6500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4085	0.4085	1.0000e-005	0.0000	0.4089
Total	**1.8000e-004**	**1.5000e-004**	**1.6500e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.4085**	**0.4085**	**1.0000e-005**	**0.0000**	**0.4089**

3.4 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1400e-003	0.0316	0.0342	5.0000e-005		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	4.0928	4.0928	1.3200e-003	0.0000	4.1259
Total	**3.1400e-003**	**0.0316**	**0.0342**	**5.0000e-005**		**2.0000e-003**	**2.0000e-003**		**1.8400e-003**	**1.8400e-003**	**0.0000**	**4.0928**	**4.0928**	**1.3200e-003**	**0.0000**	**4.1259**

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	1.8000e-004	1.5000e-004	1.6500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4085	0.4085	1.0000e-005	0.0000	0.4089
Total	**1.8000e-004**	**1.5000e-004**	**1.6500e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.4085**	**0.4085**	**1.0000e-005**	**0.0000**	**0.4089**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1400e-003	0.0316	0.0342	5.0000e-005		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	4.0928	4.0928	1.3200e-003	0.0000	4.1259
Total	**3.1400e-003**	**0.0316**	**0.0342**	**5.0000e-005**		**2.0000e-003**	**2.0000e-003**		**1.8400e-003**	**1.8400e-003**	**0.0000**	**4.0928**	**4.0928**	**1.3200e-003**	**0.0000**	**4.1259**

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	1.8000e-004	1.5000e-004	1.6500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4085	0.4085	1.0000e-005	0.0000	0.4089
Total	**1.8000e-004**	**1.5000e-004**	**1.6500e-003**	**0.0000**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.4085**	**0.4085**	**1.0000e-005**	**0.0000**	**0.4089**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0509	0.0000	0.0509	0.0275	0.0000	0.0275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1659	0.0710	1.5000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	13.6286	13.6286	4.4100e-003	0.0000	13.7387
Total	**0.0149**	**0.1659**	**0.0710**	**1.5000e-004**	**0.0509**	**7.5300e-003**	**0.0585**	**0.0275**	**6.9300e-003**	**0.0344**	**0.0000**	**13.6286**	**13.6286**	**4.4100e-003**	**0.0000**	**13.7387**

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	4.4100e-003	0.1485	0.0327	3.9000e-004	8.5900e-003	4.6000e-004	9.0500e-003	2.3600e-003	4.4000e-004	2.8000e-003	0.0000	38.5391	38.5391	2.6800e-003	0.0000	38.6062
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.3000e-004	3.6200e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.8988	0.8988	3.0000e-005	0.0000	0.8995
Total	**4.8200e-003**	**0.1488**	**0.0364**	**4.0000e-004**	**9.5500e-003**	**4.7000e-004**	**0.0100**	**2.6200e-003**	**4.5000e-004**	**3.0600e-003**	**0.0000**	**39.4379**	**39.4379**	**2.7100e-003**	**0.0000**	**39.5057**

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					0.0229	0.0000	0.0229	0.0124	0.0000	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1659	0.0710	1.5000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	13.6285	13.6285	4.4100e-003	0.0000	13.7387
Total	**0.0149**	**0.1659**	**0.0710**	**1.5000e-004**	**0.0229**	**7.5300e-003**	**0.0305**	**0.0124**	**6.9300e-003**	**0.0193**	**0.0000**	**13.6285**	**13.6285**	**4.4100e-003**	**0.0000**	**13.7387**

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	4.4100e-003	0.1485	0.0327	3.9000e-004	8.5900e-003	4.6000e-004	9.0500e-003	2.3600e-003	4.4000e-004	2.8000e-003	0.0000	38.5391	38.5391	2.6800e-003	0.0000	38.6062
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	3.3000e-004	3.6200e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.8988	0.8988	3.0000e-005	0.0000	0.8995
Total	**4.8200e-003**	**0.1488**	**0.0364**	**4.0000e-004**	**9.5500e-003**	**4.7000e-004**	**0.0100**	**2.6200e-003**	**4.5000e-004**	**3.0600e-003**	**0.0000**	**39.4379**	**39.4379**	**2.7100e-003**	**0.0000**	**39.5057**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2325	1.6933	1.5100	2.5200e-003		0.0911	0.0911		0.0880	0.0880	0.0000	207.8657	207.8657	0.0386	0.0000	208.8304

Total	**0.2325**	**1.6933**	**1.5100**	**2.5200e-003**		**0.0911**	**0.0911**		**0.0880**	**0.0880**	**0.0000**	**207.8657**	**207.8657**	**0.0386**	**0.0000**	**208.8304**

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	4.1500e-003	0.1241	0.0336	2.9000e-004	7.2100e-003	5.8000e-004	7.7900e-003	2.0800e-003	5.5000e-004	2.6300e-003	0.0000	28.4448	28.4448	1.8100e-003	0.0000	28.4900
Worker	0.0143	0.0115	0.1273	3.5000e-004	0.0339	2.9000e-004	0.0342	9.0000e-003	2.7000e-004	9.2600e-003	0.0000	31.5751	31.5751	1.0000e-003	0.0000	31.5999
Total	**0.0184**	**0.1356**	**0.1609**	**6.4000e-004**	**0.0411**	**8.7000e-004**	**0.0420**	**0.0111**	**8.2000e-004**	**0.0119**	**0.0000**	**60.0199**	**60.0199**	**2.8100e-003**	**0.0000**	**60.0899**

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	0.2325	1.6933	1.5100	2.5200e-003		0.0911	0.0911		0.0880	0.0880	0.0000	207.8655	207.8655	0.0386	0.0000	208.8302
Total	**0.2325**	**1.6933**	**1.5100**	**2.5200e-003**		**0.0911**	**0.0911**		**0.0880**	**0.0880**	**0.0000**	**207.8655**	**207.8655**	**0.0386**	**0.0000**	**208.8302**

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	4.1500e-003	0.1241	0.0336	2.9000e-004	7.2100e-003	5.8000e-004	7.7900e-003	2.0800e-003	5.5000e-004	2.6300e-003	0.0000	28.4448	28.4448	1.8100e-003	0.0000	28.4900
Worker	0.0143	0.0115	0.1273	3.5000e-004	0.0339	2.9000e-004	0.0342	9.0000e-003	2.7000e-004	9.2600e-003	0.0000	31.5751	31.5751	1.0000e-003	0.0000	31.5999
Total	**0.0184**	**0.1356**	**0.1609**	**6.4000e-004**	**0.0411**	**8.7000e-004**	**0.0420**	**0.0111**	**8.2000e-004**	**0.0119**	**0.0000**	**60.0199**	**60.0199**	**2.8100e-003**	**0.0000**	**60.0899**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2257	1.6977	1.6060	2.7400e-003		0.0852	0.0852		0.0823	0.0823	0.0000	226.0268	226.0268	0.0404	0.0000	227.0356
Total	**0.2257**	**1.6977**	**1.6060**	**2.7400e-003**		**0.0852**	**0.0852**		**0.0823**	**0.0823**	**0.0000**	**226.0268**	**226.0268**	**0.0404**	**0.0000**	**227.0356**

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8700e-003	0.1229	0.0333	3.2000e-004	7.8400e-003	2.5000e-004	8.0900e-003	2.2600e-003	2.4000e-004	2.5000e-003	0.0000	30.6888	30.6888	1.8800e-003	0.0000	30.7359
Worker	0.0145	0.0113	0.1271	3.7000e-004	0.0368	3.0000e-004	0.0371	9.7800e-003	2.8000e-004	0.0101	0.0000	33.2425	33.2425	9.8000e-004	0.0000	33.2669
Total	**0.0183**	**0.1341**	**0.1604**	**6.9000e-004**	**0.0447**	**5.5000e-004**	**0.0452**	**0.0120**	**5.2000e-004**	**0.0126**	**0.0000**	**63.9313**	**63.9313**	**2.8600e-003**	**0.0000**	**64.0028**

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	0.2257	1.6977	1.6060	2.7400e-003		0.0852	0.0852		0.0823	0.0823	0.0000	226.0265	226.0265	0.0404	0.0000	227.0353
Total	**0.2257**	**1.6977**	**1.6060**	**2.7400e-003**		**0.0852**	**0.0852**		**0.0823**	**0.0823**	**0.0000**	**226.0265**	**226.0265**	**0.0404**	**0.0000**	**227.0353**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8700e-003	0.1229	0.0333	3.2000e-004	7.8400e-003	2.5000e-004	8.0900e-003	2.2600e-003	2.4000e-004	2.5000e-003	0.0000	30.6888	30.6888	1.8800e-003	0.0000	30.7359
Worker	0.0145	0.0113	0.1271	3.7000e-004	0.0368	3.0000e-004	0.0371	9.7800e-003	2.8000e-004	0.0101	0.0000	33.2425	33.2425	9.8000e-004	0.0000	33.2669
Total	**0.0183**	**0.1341**	**0.1604**	**6.9000e-004**	**0.0447**	**5.5000e-004**	**0.0452**	**0.0120**	**5.2000e-004**	**0.0126**	**0.0000**	**63.9313**	**63.9313**	**2.8600e-003**	**0.0000**	**64.0028**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0128	0.1278	0.1461	2.2000e-004		6.8500e-003	6.8500e-003		6.3200e-003	6.3200e-003	0.0000	19.4122	19.4122	6.1500e-003	0.0000	19.5661
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0128**	**0.1278**	**0.1461**	**2.2000e-004**		**6.8500e-003**	**6.8500e-003**		**6.3200e-003**	**6.3200e-003**	**0.0000**	**19.4122**	**19.4122**	**6.1500e-003**	**0.0000**	**19.5661**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2000e-004	7.2000e-004	8.1100e-003	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.2000e-004	2.0000e-005	6.4000e-004	0.0000	2.1212	2.1212	6.0000e-005	0.0000	2.1228
Total	**9.2000e-004**	**7.2000e-004**	**8.1100e-003**	**2.0000e-005**	**2.3500e-003**	**2.0000e-005**	**2.3700e-003**	**6.2000e-004**	**2.0000e-005**	**6.4000e-004**	**0.0000**	**2.1212**	**2.1212**	**6.0000e-005**	**0.0000**	**2.1228**

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	0.0128	0.1278	0.1461	2.2000e-004		6.8500e-003	6.8500e-003		6.3200e-003	6.3200e-003	0.0000	19.4122	19.4122	6.1500e-003	0.0000	19.5660
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0128**	**0.1278**	**0.1461**	**2.2000e-004**		**6.8500e-003**	**6.8500e-003**		**6.3200e-003**	**6.3200e-003**	**0.0000**	**19.4122**	**19.4122**	**6.1500e-003**	**0.0000**	**19.5660**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2000e-004	7.2000e-004	8.1100e-003	2.0000e-005	2.3500e-003	2.0000e-005	2.3700e-003	6.2000e-004	2.0000e-005	6.4000e-004	0.0000	2.1212	2.1212	6.0000e-005	0.0000	2.1228
Total	**9.2000e-004**	**7.2000e-004**	**8.1100e-003**	**2.0000e-005**	**2.3500e-003**	**2.0000e-005**	**2.3700e-003**	**6.2000e-004**	**2.0000e-005**	**6.4000e-004**	**0.0000**	**2.1212**	**2.1212**	**6.0000e-005**	**0.0000**	**2.1228**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	3.6100e-003	0.0252	0.0300	5.0000e-005		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	4.2129	4.2129	2.9000e-004	0.0000	4.2201
Total	**0.3003**	**0.0252**	**0.0300**	**5.0000e-005**		**1.5500e-003**	**1.5500e-003**		**1.5500e-003**	**1.5500e-003**	**0.0000**	**4.2129**	**4.2129**	**2.9000e-004**	**0.0000**	**4.2201**

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	3.5000e-004	2.8000e-004	3.1200e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8159	0.8159	2.0000e-005	0.0000	0.8165
Total	**3.5000e-004**	**2.8000e-004**	**3.1200e-003**	**1.0000e-005**	**9.0000e-004**	**1.0000e-005**	**9.1000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.8159**	**0.8159**	**2.0000e-005**	**0.0000**	**0.8165**

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	0.2966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6100e-003	0.0252	0.0300	5.0000e-005		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	4.2129	4.2129	2.9000e-004	0.0000	4.2201
Total	**0.3003**	**0.0252**	**0.0300**	**5.0000e-005**		**1.5500e-003**	**1.5500e-003**		**1.5500e-003**	**1.5500e-003**	**0.0000**	**4.2129**	**4.2129**	**2.9000e-004**	**0.0000**	**4.2201**

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	3.5000e-004	2.8000e-004	3.1200e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8159	0.8159	2.0000e-005	0.0000	0.8165
Total	**3.5000e-004**	**2.8000e-004**	**3.1200e-003**	**1.0000e-005**	**9.0000e-004**	**1.0000e-005**	**9.1000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.8159**	**0.8159**	**2.0000e-005**	**0.0000**	**0.8165**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	357.1683	357.1683	8.4400e-003	1.7500e-003	357.8993
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	357.1683	357.1683	8.4400e-003	1.7500e-003	357.8993
NaturalGas Mitigated	9.3500e-003	0.0850	0.0714	5.1000e-004		6.4600e-003	6.4600e-003		6.4600e-003	6.4600e-003	0.0000	92.4859	92.4859	1.7700e-003	1.7000e-003	93.0355
NaturalGas Unmitigated	9.3500e-003	0.0850	0.0714	5.1000e-004		6.4600e-003	6.4600e-003		6.4600e-003	6.4600e-003	0.0000	92.4859	92.4859	1.7700e-003	1.7000e-003	93.0355

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					
Junior College (2Yr)	1.73312e+006	9.3500e-003	0.0850	0.0714	5.1000e-004		6.4600e-003	6.4600e-003		6.4600e-003	6.4600e-003	0.0000	92.4859	92.4859	1.7700e-003	1.7000e-003	93.0355
Total		**9.3500e-003**	**0.0850**	**0.0714**	**5.1000e-004**		**6.4600e-003**	**6.4600e-003**		**6.4600e-003**	**6.4600e-003**	**0.0000**	**92.4859**	**92.4859**	**1.7700e-003**	**1.7000e-003**	**93.0355**

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					
Junior College (2Yr)	1.73312e+006	9.3500e-003	0.0850	0.0714	5.1000e-004		6.4600e-003	6.4600e-003		6.4600e-003	6.4600e-003	0.0000	92.4859	92.4859	1.7700e-003	1.7000e-003	93.0355
Total		**9.3500e-003**	**0.0850**	**0.0714**	**5.1000e-004**		**6.4600e-003**	**6.4600e-003**		**6.4600e-003**	**6.4600e-003**	**0.0000**	**92.4859**	**92.4859**	**1.7700e-003**	**1.7000e-003**	**93.0355**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	641280	357.1683	8.4400e-003	1.7500e-003	357.8993

Total		**357.1683**	**8.4400e-003**	**1.7500e-003**	**357.8993**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	641280	357.1683	8.4400e-003	1.7500e-003	357.8993
Total		**357.1683**	**8.4400e-003**	**1.7500e-003**	**357.8993**

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	0.2610	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Unmitigated	0.2610	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2313					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Total	**0.2610**	**1.0000e-005**	**8.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5900e-003**	**1.5900e-003**	**0.0000**	**0.0000**	**1.6900e-003**

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	0.0297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2313					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Total	**0.2610**	**1.0000e-005**	**8.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5900e-003**	**1.5900e-003**	**0.0000**	**0.0000**	**1.6900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	54.1435	0.1035	2.6700e-003	57.5292
Unmitigated	54.1435	0.1035	2.6700e-003	57.5292

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	3.13914 / 4.90993	54.1435	0.1035	2.6700e-003	57.5292
Total		**54.1435**	**0.1035**	**2.6700e-003**	**57.5292**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Junior College (2Yr)	3.13914 / 4.90993	54.1435	0.1035	2.6700e-003	57.5292
Total		**54.1435**	**0.1035**	**2.6700e-003**	**57.5292**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	16.8889	0.9981	0.0000	41.8414
Unmitigated	16.8889	0.9981	0.0000	41.8414

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	83.2	16.8889	0.9981	0.0000	41.8414
Total		**16.8889**	**0.9981**	**0.0000**	**41.8414**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	83.2	16.8889	0.9981	0.0000	41.8414
Total		**16.8889**	**0.9981**	**0.0000**	**41.8414**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation