Appendix A

Notice of Preparation (NOP) and NOP Comment Letters

1990010930

CITY OF SANTA MARIA
NOTICE OF PREPARATION
April 1, 2019

To: Ken Alex, Director
CA Dept of Planning & Research
P. O. Box 3044
Sacramento, CA 95812-3044

From:

City of Santa Maria
110 S. Pine Street, Suite 101
Santa Maria, California 93458

SUBJECT: NOTICE OF PREPARATION OF A DRAFT SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT

The City of Santa Maria will be the Lead Agency and will prepare a Supplemental Environmental Impact Report (SEIR) for the Blosser Southeast Specific Plan Update, described in Attachment A. In 1994, the City Council adopted the Sphere of Influence Boundary Expansion and Concurrent Annexation Program and associated Final Environmental Impact Report (E-88-10; State Clearinghouse No. 90010930) with overriding considerations for agricultural and air quality impacts.

We need to know the views of your agency as to the scope and content of the environmental information which is germane to your agency's statutory requirements in connection with the proposed project. Your agency may need to use the Supplemental EIR prepared by our agency if considering a permit or other approval for the project.

The project description, location, and the potential environmental effects are contained in the attached materials.

Due to the time limits mandated by State law, your response must be received at the earliest possible date but not later than May 2, 2019.

Please send your response to Neda Zayer, Principal Planner, at the address shown above. We will need a contact person in your agency.

Project Title: **Blosser Southeast Specific Plan Update**

Project Applicant: John J. Ruffoni

Project Location: 146 acres south of Stowell Road, east of Blosser Road, west of Depot Street, and north of Battles Road and the Battles Channel.

Date: April 1, 2019

Signature:

Title: Principal Planner

Phone: (805) 925-0951 x2444

E-mail: nzayer@cityofsantamaria.org

Governor's Office of Planning & Research

APR 09 2019

STATE CLEARINGHOUSE

ATTACHMENT A

1 Project Description

This section describes the proposed project, including the project applicant, the project site and surrounding land uses, major project characteristics, project objectives, and discretionary actions needed for approval.

1.1 Project Applicant

John J. Ruffoni
535 West Anapamu Street
Santa Barbara, California 93101

1.2 Lead Agency Contact Person

Neda Zayer, Principal Planner
Community Development Department
City of Santa Maria
110 South Pine Street, Suite 101
Santa Maria, California 93458
(805) 925-0951 ext. 2444

1.3 Background

The project area covers the northern half of the City of Santa Maria's original *Blosser-Southeast Specific Plan* area, covered by the 1992 *Final EIR for the Sphere of Influence Boundary Expansion and Concurrent Annexation Program* (City No. E-88-10 and SCH#90010930) and officially adopted by the City in 1994. The original Blosser Southeast Specific Plan was amended in 2002 and 2003 and reformatted in 2011.

1.4 Project Location

The 155-acre project site covers the northern half (Area 5B) of the original Blosser Southeast Specific Plan area. The project site is generally located at the southeast corner of Stowell Road and Blosser Road. The project site is bounded by Battles Road to the south, the Santa Maria Valley Railroad (SMVRR) tracks and Depot Street to the east, Blosser Road to the west, and Stowell Road to the north.

The project site is located near the center of the United States Geological Survey 7.5 minute Santa Maria quadrangle, and occupies most of the northwest quarter of Section 22, Township 10 North, Range 34 West, San Bernardino baseline and meridian. The approximate center of the project site is at latitude 34°56'6.4"N and longitude 120°26'57.8"W.

Figure 1 shows the regional location of the project site in the central area of the City of Santa Maria. Figure 2 shows the project site location relative to land uses in the vicinity.

Figure 1 Regional Project Location

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Project Location

N

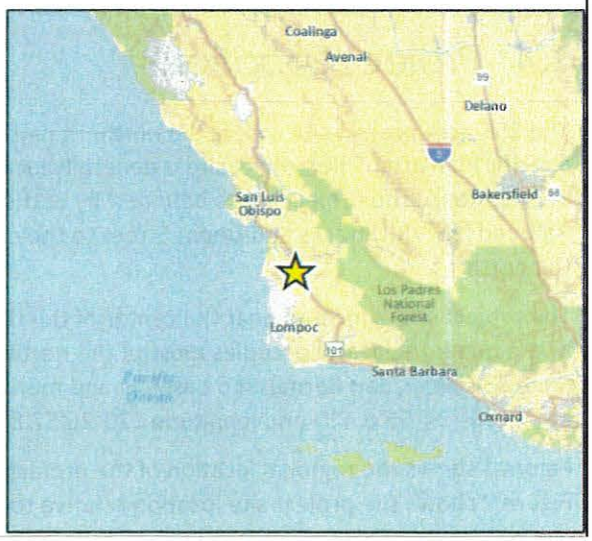

Figure 2 Project Site Location

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1.5 Existing Site Characteristics

1.5.1 Current Land Use Designation and Zoning

The project site is currently used for agricultural purposes, primarily as cultivated row crops. A City-maintained flood control channel runs along the southern boundary of the project site and connects to the Hobbs Fee Basin one-half mile west of the project, maintained by the Santa Barbara County Flood Control District.

Under the City's existing Blosser Southeast Specific Plan, the project site has General Plan land use designations of Low Medium Density Residential (LMDR), Medium Density Residential (MDR), High Density Residential (HDR), Neighborhood Commercial (NC), Recreation Open Space (ROS), and Community Facilities (CF). The entire site is covered by the Planned Development overlay and is zoned Single Family Small Lot Residential (PD/RSL-1), Medium Density Residential (PD/R-2), High Density Residential (PD/R-3), Public Facilities (PD/PF), Convenience Center (PD/CC), and Open Space (PD/OS). The existing land use designations and zoning are divided within the project site area as detailed in Table 1 and the land use designations are shown in Figure 3.

Table 1 Existing Land Use and Zoning Designations

Specific Plan Designation	Zoning	Acres	Residential Development Potential
Low Medium Density Residential (LMDR)	PD/RSL-1	82 (8 du/ac)	656
Medium Density Residential (MDR)	PD/R-2	12 (12 du/ac)	144
High Density Residential (HDR)	PD/R-3	8 (22 du/ac)	176
Community Facilities (CF)	PD/PF	24	--
Recreation Open Space (ROS)	PD/OS	14	--
Neighborhood Commercial (NC).	PS/CC	15	--
Total		**155**	**976**

Notes: The areas designated LMDR and NC include approximately 9 acres of Battles Road and Battles Channel that run along the southern boundary of the project site.

Source: Blosser Southeast Specific Plan (City of Santa Maria 2011:Table 2-1)

1.5.2 Surrounding Land Uses

The project site is bordered by a commercial development and residential development to the west, a park and elementary school to the east, residential development to the south, and residential uses and an additional elementary school to the north.

1.6 Project Characteristics

The project proposes amendments to the City's existing Blosser Southeast Specific Plan, General Plan Land Use and Zoning Map. Under the proposed Specific Plan, the project site would have land use designations of Neighborhood Commercial (NC), Low Medium Density Residential (LMDR-8), High Density Residential (HDR-22), Community Facilities (CF), and Recreation Open Space (ROS). The entire site would remain covered by the Planned Development overlay and zoning districts would be applied consistent with the land use designations. Figure 4 shows the proposed land use designations. The proposed land use designations and their corresponding zoning are detailed in Table 2.

Figure 3 Existing Land Use Plan

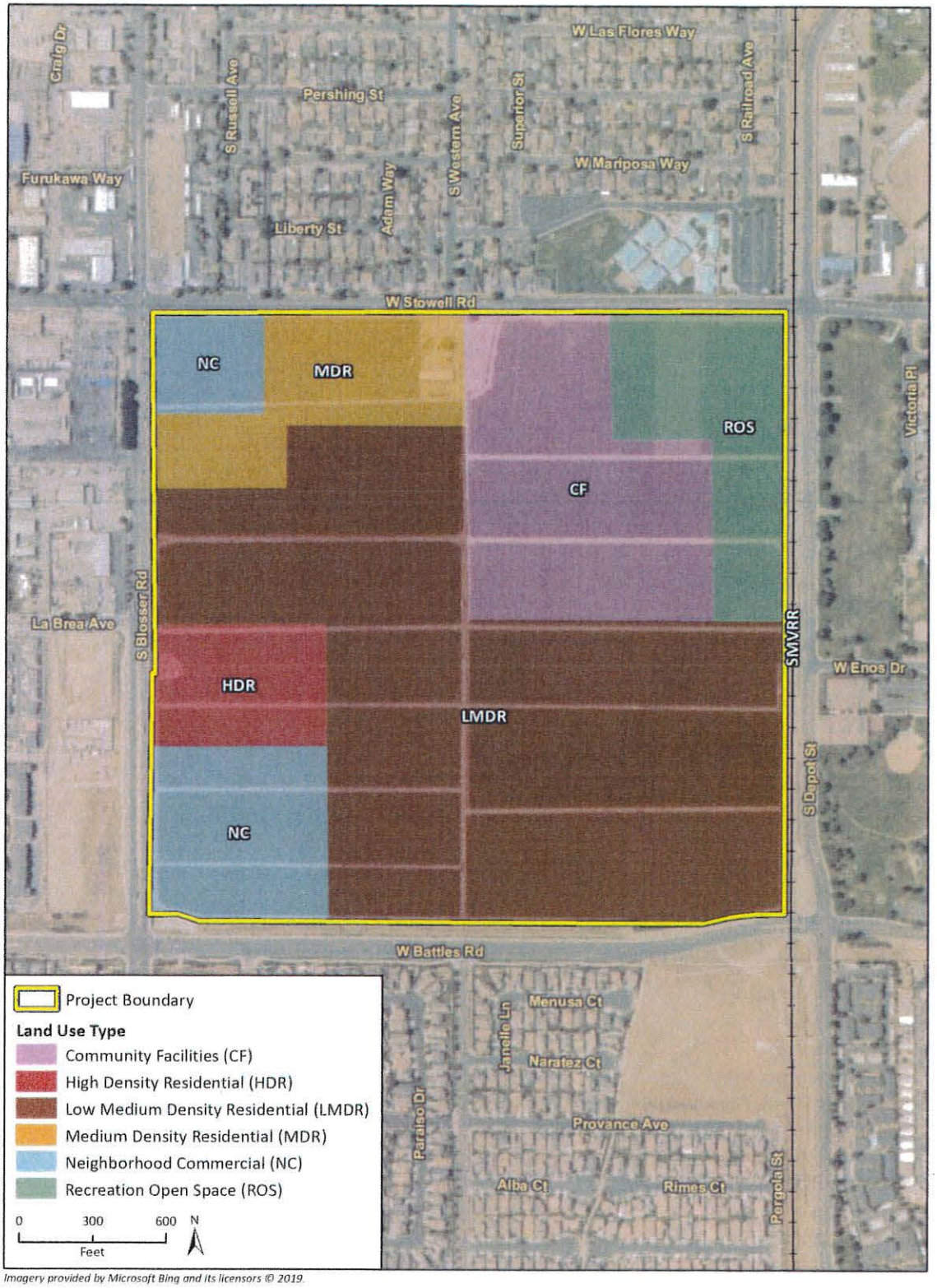

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Figure 4 Proposed Land Use Plan

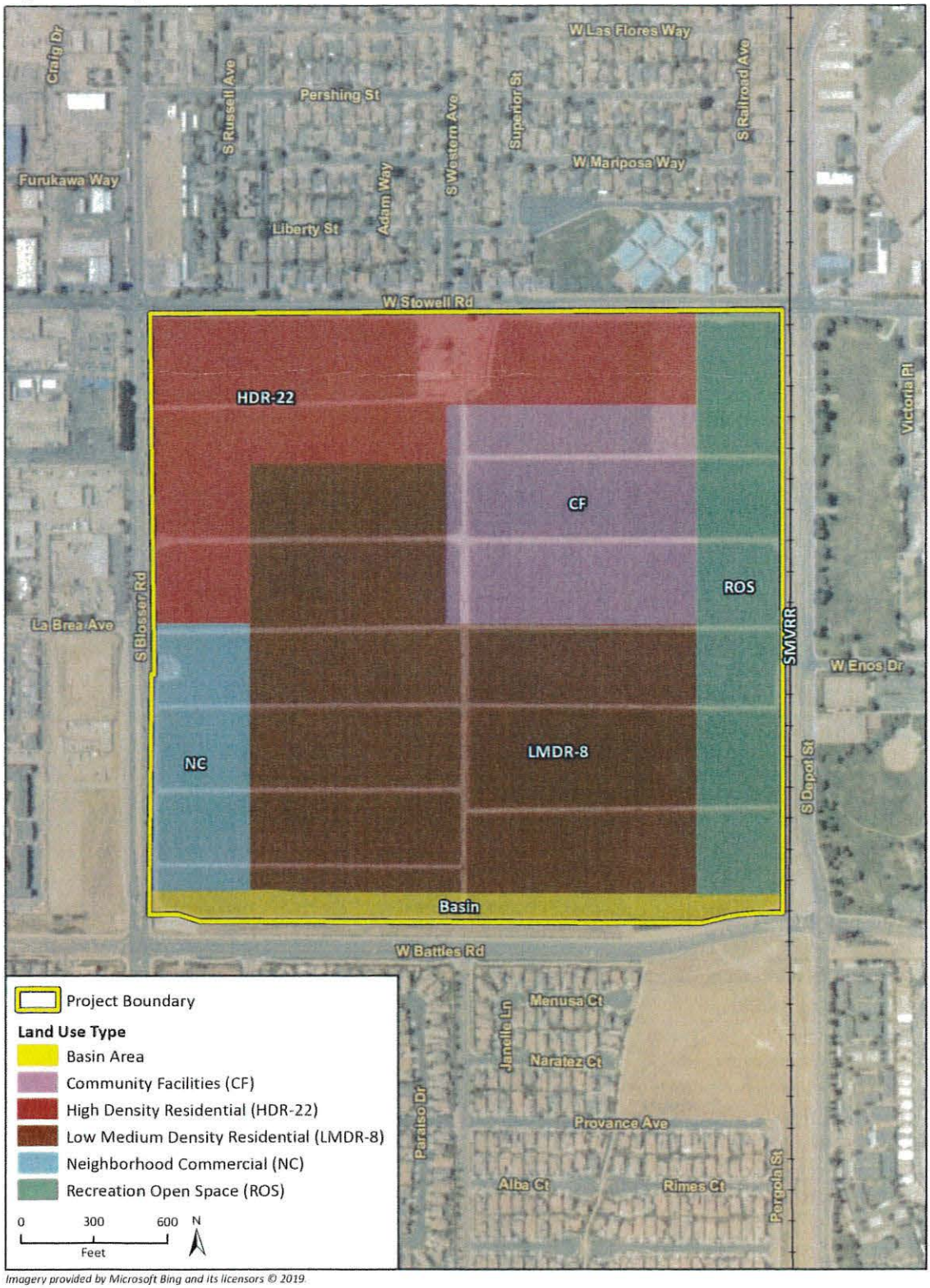

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Table 2 Proposed Land Use and Zoning Designations

Specific Plan Designation	Zoning	Approximate Acreage	Residential Development Potential
Low Medium Density Residential (LMDR-8)	PD/R-1	58 (8 du/ac)	464
High Density Residential (HDR-22)	PD/R-3	32 (22 du/ac)	704
Community Facilities (CF)	PD/PF	21	--
Recreation Open Space (ROS)	PD/OS	19	--
Neighborhood Commercial (NC)	PS/CC	10	--
Basin	None	6	--
Total		**146**	**1,168**

Source: Acquistapace Blosser Southeast (Area 5B) Amended Specific Plan, November 2018

As shown in Table 2, the proposed land use designations and zoning would allow for development of up to 1,168 residential units on the project site, or an increase of 192 units from residential development potential under the existing Blosser Southeast Specific Plan. Following the approval of the existing Blosser Southeast Specific Plan, the Battles Channel was constructed and Battles Road was widened to its current configuration along the southern portion of the project site. The channel construction and roadway improvements reduced the developable area of the project site by approximately nine acres from the existing condition of 155 acres, resulting in the proposed site area of approximately 146 acres, as shown in Table 2.

1.6.1 Roadways and Traffic

The project site is bounded by Battles Road to the south, the Santa Maria Valley Railroad (SMVRR) tracks and Depot Street to the east, Blosser Road to the west, and Stowell Road to the north.

The project would involve extension of two existing City collector streets. La Brea Avenue would be extended in the west-east direction through the center of the project site, with a terminus at the boundary of the proposed Recreation Open Space area. Western Avenue would be extended in the north-south direction through the center of the entire project site. These street extensions would intersect at the approximate center point of the project site. The project would involve development of local and local minor streets for access to the residential areas of the project site. The project would also include development of a class II bikeway to connect Battles Road to Stowell Road. All proposed interior roads would be public roads installed at the time of development, with sidewalks on both sides.

The total unadjusted trip generation estimated for the proposed Specific Plan is approximately 15,400 average daily trips (ADT). The analysis of traffic and transportation impacts also accounted for internal trips and other adjustments associated with the increased residential density under the proposed project when compared to the existing Blosser Southeast Specific Plan land use designations and zoning.

1.6.2 Public Services and Utilities

The proposed sanitary sewer for the site would connect to the existing 15-inch sewer main in La Brea Avenue. Water lines in the roadways north, south, east, and west of the project site would be extended into the site to provide water service. Water infrastructure for the project would consist of 6-inch, 8-inch, and 10-inch public water mains looped through the site. Water lines would be a minimum of 6 inches for the proposed residential development and 8 inches for the proposed

commercial development. Additional offsite improvements for water and sewer service may be required to serve the project and would be determined during the final design process. Any such off-site work that would involve substantial new disturbance would be subject to a separate review under CEQA.

The project would include development of a Regional Retardation Basin, approximately 3.5 acres in size and located along the southern portion of the project site, with a volume that meets the requirements of the City and Santa Barbara County Flood Control Standards. Proposed commercial and public facility uses would incorporate water quality and infiltration features in accordance with City and regional requirements. The proposed project development would also include street gutters and underground storm drains connecting to the regional retardation basin.

The proposed on-site development would utilize the City's solid waste collection and disposal services.

Pacific Gas and Electric (PG&E) would provide electric service, and Southern California Gas Company would provide gas service to the project site.

The project would include development of a 19-acre public park system in the Recreation Open Space-designated area and 21-acre school site in the Community Facilities-designated area, as shown on Figure 4. The portion of this area designated for Community Facilities uses would be developed as a junior high school, served by the Santa Maria-Bonita School District. The portion of this area designated for Recreation Open Space uses would be developed into a community park, with active multi-purpose fields.

1.6.3 Drainage and Grading

The existing topography of the project site is generally flat. Development of the site would include grading over the entire property. Existing agricultural surface drains would be modified by this grading, requiring the need for engineered surface and subsurface storm drains. With the exception of proposed landscaped areas and open space, the project would reduce pervious surfaces (the ground surface area capable of absorbing rainfall) and, therefore, increase stormwater runoff across the site, into the City flood control channel that runs along the southern boundary of the project site, and ultimately into the Santa Maria River watershed. State mandated post-construction requirements for stormwater runoff would be provided by the Specific Plan, and various Low-Impact Development (LID) stormwater basins would be developed along the southern portion of the project site.

1.7 Project Objectives

The applicant's objectives for the project are as follows:

- Provide development that expands on and complements the businesses along Blosser Road.
- Provide coordinated residential, commercial, and school uses and amenities in one central location.
- Provide safe pedestrian and bicycle connections to onsite commercial, recreational, school, and open space amenities.
- Develop the property with a variety of housing types to attract diverse community income groups, and to assist the City in complying with State housing mandates.

1.8 Required Approvals

The City of Santa Maria has the role of the CEQA Lead Agency in preparing this Supplemental EIR to serve as the environmental review for the project. Implementation of the proposed project would require the following discretionary approvals from the City of Santa Maria:

- Amendment of the Blosser Southeast Specific Plan
- General Plan Maps and Zoning Map Amendments
- Planned Development Permits for sub-areas of the project

ATTACHMENT B

ENVIRONMENTAL SUMMARY – Blosser Southeast Specific Plan Update

A Supplemental Environmental Impact Report (EIR) is being prepared for the proposed project in accordance with Section 21080.1 of the Public Resources Code.

The original Sphere of Influence Boundary Expansion and Concurrent Annexation Program and associated Final Environmental Impact Report (E-88-10; State Clearinghouse No. 90010930) found significant, unavoidable and adverse impacts for agriculture and air quality. The City Council of the City of Santa Maria adopted overriding considerations for the project in 1994.

The new project would result in modified specific plan, and land use designation and zoning configuration on the project site when compared to the project analyzed in the original EIR. The development of the new project would be of greater intensity than the previously studied project, and a revised traffic analysis and updated air quality models will be provided for the new project. In addition, impacts associated with greenhouse gas emissions, energy use, wildfire, and tribal cultural resources will be analyzed since such evaluation was not a CEQA requirement at the time of the prior EIR.

The City assumes that certain environmental issues can be dismissed from detailed analysis in the Supplemental EIR based on a determination that impacts would be less than significant or that impacts were sufficiently addressed in the prior EIR and that the project has not changed in a manner that would substantially affect the prior analysis. These issues include Energy, Geology and Soils, Mineral Resources, and Utilities and Service Systems. Other issues listed below will be evaluated in the Supplemental EIR. The City anticipates that impacts in these issue areas may be found to be potentially significant.

SUMMARY OF POTENTIALLY SIGNIFICANT IMPACTS

X	Aesthetics/Visual Resources	X	Hydrology and Water Quality
X	Agriculture and Forest Resources	X	Land Use and Planning
X	Air Quality		Mineral Resources
X	Biological Resources	X	Noise
X	Cultural/Tribal Cultural Resources	X	Population and Housing
	Energy	X	Public Services
	Geology and Soils	X	Recreation
X	Greenhouse Gas Emissions	X	Transportation/Traffic
X	Hazards and Hazardous Materials		Utilities and Services Systems

California
Department of Conservation
Division of Oil, Gas, and Geothermal Resources

Gavin Newsom, Governor
David Bunn, Director

April 10, 2019

VIA U.S. MAIL AND EMAIL

Governor's Office of Planning & Research

APR 11 2019

STATE CLEARINGHOUSE

Neda Zayer, Principal Planner
City of Santa Maria
110 S. Pine Street, Suite 101
Santa Maria, CA 93458

Dear Mrs. Zayer,

SCH# 90010930 BLOSSER SOUTHEAST SPECIFIC PLAN UPDATE NOTICE OF PREPARATION, CITY OF SANTA MARIA

The Division of Oil, Gas, and Geothermal Resources (Division) appreciates the opportunity to submit comments on the Blosser Southeast Specific Plan Update referenced above (Project).

The Division's authority is set forth in Division 3 of the Public Resources Code (PRC), and Title 14 of the California Code of Regulations (CCR). PRC § 3208.1 establishes well re-abandonment responsibility when a previously plugged and abandoned well may be impacted by planned property development or construction activities. Local permitting agencies, property owners, and/or developers should be aware of, and fully understand, that significant and potentially dangerous issues may be associated with development near oil, gas, or geothermal wells.

The Division has reviewed the Notice of Preparation for the above referenced Project, received April 5, 2019. To assist local permitting agencies, property owners, and developers in making wise land use decisions regarding potential development near oil, gas, or geothermal wells, the Division provides the following information.

Our records indicate there are three known oil wells located on the property where the Project is located. Two of the wells listed below are not plugged and abandoned to current Division requirements as prescribed by law, and based upon information provided, are plotted where proposed development may impede access to the wells. Based on the map provided to the Division, two wells are located within the project boundary and the third well is located approximately 45 feet away from the project boundary. The locations of the wells are based on historical data rather than a current survey and are only approximate. **It is the opinion of the Division that the two wells may require re-abandonment depending on the exact location of the wells in relation to the proposed construction.** The record and approximate location for the above mentioned wells are available online at https://www.conservation.ca.gov/dog/Pages/WellFinder.aspx

Well	Status
A. S. Mayes & Associates, Ltd. Well No. "Acquistapace" 1 API 083-02398 Abandoned: 10-31-1950	The record review process shows that the subject well **is not** plugged and abandoned consistent with current PRC and CCR requirements as of April 9, 2019. Based on well records: 1. Freshwater plug is not present (CCR § 1723.2). 2. Surface plug is inadequate (CCR § 1723.5).

Well	Status
A. S. Mayes & Associates, Ltd. Well No. "Acquistapace" 2 API 083-02399 Abandoned: 10-31-1950	The record review process shows that the subject well **is not** plugged and abandoned consistent with current PRC and CCR requirements as of April 9, 2019. Based on well records: 1. Freshwater plug is not present (CCR § 1723.2). 2. Surface plug is inadequate (CCR § 1723.5).

Well	Status
Union Oil Company of California Well No. "Acquistapace" 1-22 API 083-21674 Abandoned: 05-18-1983	The record review process shows that the subject well **is** plugged and abandoned consistent with current PRC and CCR requirements as of April 9, 2019.

The Division categorically advises against building over, or in any way impeding access to, oil, gas, or geothermal wells. Access is considered the ability for a well servicing unit and associated necessary equipment to reach a well from a public street or access way, solely over the parcel on which the well is located. A well servicing unit, and any necessary equipment, should be able to pass unimpeded along and over the route, and should be able to access the well without disturbing the integrity of surrounding infrastructure. Items that can affect well access include, but are not limited to, buildings, housing, fencing, hardscape, landscape, trees, pools, patios, sidewalks, roadways, parking lots, waterways or channels, and decking. Impeding access to a well could result in the need to remove any structure or obstacle that prevents or impedes access.

There are no guarantees a well abandoned in compliance with current Division requirements will not start leaking in the future. It always remains a possibility that any well may start to leak oil, gas, and/or water after abandonment, no matter how thoroughly the well was plugged and abandoned. The Division acknowledges wells

plugged and abandoned to the most current standards have a lower probability of leaking in the future, however there is no guarantee that such abandonments will not leak.

The wells should be located and surveyed. Surveyed locations should be provided to the Division in Latitude and Longitude, NAD 83 decimal format.

The Division advises that the wells identified on the development parcel prior to, or during, development activities be tested for liquid and gas leakage. The Division expects any wells found leaking to be reported to it immediately.

Failure to plug and re-abandon a well may result in enforcement action, including an order to perform re-abandonment well work, pursuant to PRC § 3208.1, and 3224.

PRC § 3208.1 gives the Division the authority to order or permit the re-abandonment of any well where it has reason to question the integrity of the previous abandonment, or if the well is not accessible or visible. Responsibility for re-abandonment costs may be affected by the choices made by the local permitting agency, property owner, and/or developer in considering the general advice set forth in this letter. The PRC continues to define the person or entity responsible for re-abandonment as:

1. **The property owner** - If the well was plugged and abandoned in conformance with Division requirements at the time of plugging and abandonment, and in its current condition does not pose an immediate danger to life, health, and property, but requires additional work solely because the owner of the property on which the well is located proposes construction on the property that would prevent or impede access to the well for purposes of remedying a currently perceived future problem, then the owner of the property on which the well is located shall obtain all rights necessary to re-abandon the well and be responsible for the re-abandonment.

2. **The person or entity causing construction over or near the well** - If the well was plugged and abandoned in conformance with Division requirements at the time of plugging and abandonment, and the property owner, developer, or local agency permitting the construction failed either to obtain an opinion from the supervisor or district deputy as to whether the previously abandoned well is required to be re-abandoned, or to follow the advice of the supervisor or district deputy not to undertake the construction, then the person or entity causing the construction over or near the well shall obtain all rights necessary to re-abandon the well and be responsible for the re-abandonment.

3. **The party or parties responsible for disturbing the integrity of the abandonment** - If the well was plugged and abandoned in conformance with Division requirements at the time of plugging and abandonment, and after that time someone other than the operator or an affiliate of the operator disturbed the integrity of the abandonment in the course of developing the property, then the party or parties responsible for disturbing the integrity of the abandonment shall be responsible for the re-abandonment.

To view PRC § 3208.1 in its entirety, please visit:
https://www.conservation.ca.gov/index/Documents/DOGGR-SR-1%20Web%20Copy.pdf

No well work may be performed on any oil, gas, or geothermal well without written approval from the Division. Well work requiring written approval includes, but is not limited to, mitigating leaking gas or other fluids from abandoned wells, modifications to well casings, and/or any other abandonment or re-abandonment work. The Division also regulates the top of a plugged and abandoned well's minimum and maximum depth below final grade. CCR §1723.5 states well casings shall be cut off at least 5 feet but no more than 10 feet below grade. If any well needs to be lowered or raised (i.e. casing cut down or casing riser added) to meet this regulation, a permit from the Division is required before work can start.

The Division makes the following additional recommendations to the local permitting agency, property owner, and developer:

1. To ensure that present and future property owners are aware of (a) the existence of all wells located on the property, and (b) potentially significant issues associated with any improvements near oil or gas wells, the Division recommends that information regarding the above identified well(s), and any other pertinent information obtained after the issuance of this letter, be communicated to the appropriate county recorder for inclusion in the title information of the subject real property.

2. The Division recommends that any soil containing hydrocarbons be disposed of in accordance with local, state, and federal laws. Please notify the appropriate authorities if soil containing significant amounts of hydrocarbons is discovered during development.

As indicated in PRC § 3106, the Division has jurisdictional authority over the drilling, operation, maintenance, and abandonment of oil, gas, and geothermal wells, and attendant facilities, to prevent, as far as possible, damage to life, health, property, and natural resources, damage to underground oil, gas, and geothermal deposits, and damage to underground and surface waters suitable for irrigation or domestic purposes. In addition to the Division's authority to order work on wells pursuant to PRC §§ 3208.1 and 3224, it has authority to issue civil and criminal penalties under PRC §§ 3236, 3236.5, and 3359 for violations within the Division's jurisdictional authority. The Division does not regulate grading, excavations, or other land use issues.

If during development activities any wells are encountered that were not part of this review, a Division engineer in the Coastal District - Orcutt office is to be notified immediately, and an amended site plan with well casing diagrams for Division review shall be filed. After appropriate review, the District office will send a follow-up well evaluation letter to the property owner, applicant, and local permitting agency.

April 10, 2019
Neda Zayer, Principal Planner
SCH# 90010930, BLOSSER SOUTHEAST SPECIFIC PLAN UPDATE NOTICE OF PREPARATION, CITY OF SANTA MARIA
Thank you for considering the Division's comments. If you have any questions, please contact our District office at (805) 937-7246 or via email at DOGGRCoastal@conservation.ca.gov.

Sincerely,

Patricia A. Abel
Coastal District Deputy

cc: State Clearinghouse
CEQA Unit, Jan Perez
CSWR File
Chrono
Well File

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691 Phone (916) 373-3710
Email: nahc@nahc.ca.gov
Website: http://www.nahc.ca.gov
Twitter: @CA_NAHC

Governor's Office of Planning & Research
APR 23 2019
STATE CLEARINGHOUSE

April 16, 2019

Neda Zayer
City of Santa Maria
110 South Pine Street, Suite 101
Santa Maria, CA 93458

RE: SCH# 1990010930 Santa Maria Cemetery District Acquisition, Santa Barbara County

Dear Ms. Zayer:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
   a. A brief description of the project.
   b. The lead agency contact information.
   c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
   d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).
   a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
   a. Alternatives to the project.
   b. Recommended mitigation measures.
   c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
   a. Type of environmental review necessary.
   b. Significance of the tribal cultural resources.
   c. Significance of the project's impacts on tribal cultural resources.
   d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
   a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
   b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:
    a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
    b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
    a. Avoidance and preservation of the resources in place, including, but not limited to:
        i. Planning and construction to avoid the resources and protect the cultural and natural context.
        ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
    b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
        i. Protecting the cultural character and integrity of the resource.
        ii. Protecting the traditional use of the resource.
        iii. Protecting the confidentiality of the resource.
    c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
    d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).
    e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
    f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
    a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.
    b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
    c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
    a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
    b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
    a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
    b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
    c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my

email address: Steven.Quinn@nahc.ca.gov.

Sincerely,

for

Steven Quinn
Associate Governmental Program Analyst

cc: State Clearinghouse

Appendix B

Air Quality/Greenhouse Gas Emissions Modeling Results

Existing Blosser SE Specific Plan

South Central Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	800.00	Student	24.00	94,049.35	0
City Park	14.00	Acre	14.00	609,840.00	0
Apartments Mid Rise	144.00	Dwelling Unit	12.00	144,000.00	412
Single Family Housing	656.00	Dwelling Unit	82.00	1,180,800.00	1876
Regional Shopping Center	196.02	1000sqft	15.00	196,020.00	0
Apartments High Rise	176.00	Dwelling Unit	8.00	176,000.00	503

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.9	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - LU acreages based on Specific Plan and unit amounts equivalent to Traffic Study.

Demolition -

Vehicle Trips - Trip rates based on Traffic Study (ATE 2019).

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	2.16	24.00
tblLandUse	LotAcreage	3.79	12.00
tblLandUse	LotAcreage	212.99	82.00
tblLandUse	LotAcreage	4.50	15.00
tblLandUse	LotAcreage	2.84	8.00
tblVehicleTrips	ST_TR	4.98	7.32
tblVehicleTrips	ST_TR	6.39	9.44
tblVehicleTrips	ST_TR	22.75	50.00
tblVehicleTrips	ST_TR	0.00	2.13
tblVehicleTrips	ST_TR	49.97	37.75
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	3.65	7.32
tblVehicleTrips	SU_TR	5.86	9.44
tblVehicleTrips	SU_TR	16.74	50.00
tblVehicleTrips	SU_TR	0.00	2.13
tblVehicleTrips	SU_TR	25.24	37.75
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	4.20	7.32
tblVehicleTrips	WD_TR	6.65	9.44
tblVehicleTrips	WD_TR	1.89	50.00
tblVehicleTrips	WD_TR	1.62	2.13
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4655	4.6448	2.9011	5.2200e-003	0.5796	0.2341	0.8137	0.3127	0.2170	0.5297	0.0000	458.4915	458.4915	0.1300	0.0000	461.7413
2021	0.5473	5.8907	3.8133	7.5800e-003	1.5666	0.2609	1.8276	0.6738	0.2401	0.9139	0.0000	666.8002	666.8002	0.2107	0.0000	672.0682
2022	0.5972	5.3048	4.8721	0.0148	1.3767	0.1580	1.5347	0.3954	0.1468	0.5422	0.0000	1,356.4331	1,356.4331	0.1813	0.0000	1,360.9654
2023	0.6165	4.6205	5.2774	0.0189	1.0791	0.1003	1.1794	0.2917	0.0943	0.3860	0.0000	1,756.1130	1,756.1130	0.1406	0.0000	1,759.6280
2024	0.5857	4.4611	5.0951	0.0187	1.0874	0.0894	1.1768	0.2939	0.0841	0.3780	0.0000	1,741.2309	1,741.2309	0.1399	0.0000	1,744.7280
2025	0.5504	4.2478	4.8750	0.0183	1.0833	0.0776	1.1609	0.2928	0.0730	0.3658	0.0000	1,704.7662	1,704.7662	0.1378	0.0000	1,708.2101
2026	0.5331	4.1852	4.7033	0.0180	1.0833	0.0772	1.1605	0.2928	0.0726	0.3654	0.0000	1,677.2523	1,677.2523	0.1366	0.0000	1,680.6673
2027	0.5165	4.1268	4.5590	0.0177	1.0833	0.0768	1.1601	0.2928	0.0722	0.3650	0.0000	1,653.5839	1,653.5839	0.1356	0.0000	1,656.9735
2028	0.4978	4.0615	4.4189	0.0174	1.0791	0.0760	1.1552	0.2917	0.0715	0.3632	0.0000	1,626.6784	1,626.6784	0.1342	0.0000	1,630.0327
2029	0.4815	4.0294	4.3183	0.0173	1.0833	0.0759	1.1592	0.2928	0.0713	0.3642	0.0000	1,614.4641	1,614.4641	0.1338	0.0000	1,617.8101
2030	0.4562	3.3956	4.2242	0.0176	1.0833	0.0260	1.1093	0.2928	0.0255	0.3184	0.0000	1,638.7441	1,638.7441	0.0757	0.0000	1,640.6356
2031	0.4368	3.3633	4.1291	0.0175	1.0833	0.0256	1.1089	0.2928	0.0252	0.3180	0.0000	1,626.8040	1,626.8040	0.0750	0.0000	1,628.6779
2032	0.4210	3.3409	4.0581	0.0174	1.0875	0.0254	1.1129	0.2940	0.0250	0.3190	0.0000	1,621.0116	1,621.0116	0.0746	0.0000	1,622.8758
2033	0.4031	3.2844	3.9539	0.0172	1.0792	0.0249	1.1041	0.2917	0.0245	0.3162	0.0000	1,598.3804	1,598.3804	0.0734	0.0000	1,600.2163
2034	0.2445	1.6176	2.6149	7.6800e-003	0.3306	0.0376	0.3682	0.0893	0.0375	0.1268	0.0000	697.3891	697.3891	0.0320	0.0000	698.1892
2035	26.8991	0.1875	0.6696	1.7400e-003	0.1480	5.0300e-003	0.1531	0.0393	4.9900e-003	0.0443	0.0000	153.5832	153.5832	3.6600e-003	0.0000	153.6746
Maximum	**26.8991**	**5.8907**	**5.2774**	**0.0189**	**1.5666**	**0.2609**	**1.8276**	**0.6738**	**0.2401**	**0.9139**	**0.0000**	**1,756.1130**	**1,756.1130**	**0.2107**	**0.0000**	**1,759.6280**

2.1 Overall Construction

Mitigated Construction

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4655	4.6448	2.9011	5.2200e-003	0.5796	0.2341	0.8137	0.3127	0.2170	0.5297	0.0000	458.4910	458.4910	0.1300	0.0000	461.7408
2021	0.5473	5.8907	3.8133	7.5800e-003	1.5666	0.2609	1.8276	0.6738	0.2401	0.9139	0.0000	666.7994	666.7994	0.2107	0.0000	672.0674
2022	0.5972	5.3048	4.8721	0.0148	1.3767	0.1580	1.5347	0.3954	0.1468	0.5422	0.0000	1,356.4326	1,356.4326	0.1813	0.0000	1,360.9649
2023	0.6165	4.6205	5.2774	0.0189	1.0791	0.1003	1.1794	0.2917	0.0943	0.3860	0.0000	1,756.1126	1,756.1126	0.1406	0.0000	1,759.6276
2024	0.5857	4.4611	5.0951	0.0187	1.0874	0.0894	1.1768	0.2939	0.0841	0.3780	0.0000	1,741.2306	1,741.2306	0.1399	0.0000	1,744.7277
2025	0.5504	4.2478	4.8750	0.0183	1.0833	0.0776	1.1609	0.2928	0.0730	0.3658	0.0000	1,704.7659	1,704.7659	0.1378	0.0000	1,708.2097
2026	0.5331	4.1852	4.7033	0.0180	1.0833	0.0772	1.1605	0.2928	0.0726	0.3654	0.0000	1,677.2519	1,677.2519	0.1366	0.0000	1,680.6669
2027	0.5165	4.1268	4.5590	0.0177	1.0833	0.0768	1.1601	0.2928	0.0722	0.3650	0.0000	1,653.5835	1,653.5835	0.1356	0.0000	1,656.9732
2028	0.4978	4.0615	4.4189	0.0174	1.0791	0.0760	1.1552	0.2917	0.0715	0.3632	0.0000	1,626.6780	1,626.6780	0.1342	0.0000	1,630.0323
2029	0.4815	4.0294	4.3183	0.0173	1.0833	0.0759	1.1592	0.2928	0.0713	0.3642	0.0000	1,614.4638	1,614.4638	0.1338	0.0000	1,617.8098
2030	0.4562	3.3956	4.2242	0.0176	1.0833	0.0260	1.1093	0.2928	0.0255	0.3184	0.0000	1,638.7437	1,638.7437	0.0757	0.0000	1,640.6352
2031	0.4368	3.3633	4.1291	0.0175	1.0833	0.0256	1.1089	0.2928	0.0252	0.3180	0.0000	1,626.8036	1,626.8036	0.0750	0.0000	1,628.6774
2032	0.4210	3.3409	4.0581	0.0174	1.0875	0.0254	1.1129	0.2940	0.0250	0.3190	0.0000	1,621.0112	1,621.0112	0.0746	0.0000	1,622.8754
2033	0.4031	3.2844	3.9539	0.0172	1.0792	0.0249	1.1041	0.2917	0.0245	0.3162	0.0000	1,598.3800	1,598.3800	0.0734	0.0000	1,600.2159
2034	0.2445	1.6176	2.6149	7.6800e-003	0.3306	0.0376	0.3682	0.0893	0.0375	0.1268	0.0000	697.3887	697.3887	0.0320	0.0000	698.1888
2035	26.8991	0.1875	0.6696	1.7400e-003	0.1480	5.0300e-003	0.1531	0.0393	4.9900e-003	0.0443	0.0000	153.5831	153.5831	3.6600e-003	0.0000	153.6745
Maximum	**26.8991**	**5.8907**	**5.2774**	**0.0189**	**1.5666**	**0.2609**	**1.8276**	**0.6738**	**0.2401**	**0.9139**	**0.0000**	**1,756.1126**	**1,756.1126**	**0.2107**	**0.0000**	**1,759.6276**

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2020**	**3-31-2020**	1.1914	1.1914
2	**4-1-2020**	**6-30-2020**	1.1910	1.1910
3	**7-1-2020**	**9-30-2020**	1.2041	1.2041
4	**10-1-2020**	**12-31-2020**	1.5106	1.5106
5	**1-1-2021**	**3-31-2021**	1.4483	1.4483
6	**4-1-2021**	**6-30-2021**	1.6480	1.6480
7	**7-1-2021**	**9-30-2021**	1.6661	1.6661
8	**10-1-2021**	**12-31-2021**	1.6667	1.6667
9	**1-1-2022**	**3-31-2022**	1.3690	1.3690
10	**4-1-2022**	**6-30-2022**	1.4293	1.4293
11	**7-1-2022**	**9-30-2022**	1.5386	1.5386
12	**10-1-2022**	**12-31-2022**	1.5591	1.5591
13	**1-1-2023**	**3-31-2023**	1.2995	1.2995
14	**4-1-2023**	**6-30-2023**	1.2961	1.2961
15	**7-1-2023**	**9-30-2023**	1.3103	1.3103
16	**10-1-2023**	**12-31-2023**	1.3284	1.3284
17	**1-1-2024**	**3-31-2024**	1.2564	1.2564
18	**4-1-2024**	**6-30-2024**	1.2399	1.2399
19	**7-1-2024**	**9-30-2024**	1.2535	1.2535
20	**10-1-2024**	**12-31-2024**	1.2702	1.2702
21	**1-1-2025**	**3-31-2025**	1.1858	1.1858
22	**4-1-2025**	**6-30-2025**	1.1836	1.1836
23	**7-1-2025**	**9-30-2025**	1.1966	1.1966

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

24	**10-1-2025**	**12-31-2025**	1.2122	1.2122
25	**1-1-2026**	**3-31-2026**	1.1660	1.1660
26	**4-1-2026**	**6-30-2026**	1.1645	1.1645
27	**7-1-2026**	**9-30-2026**	1.1773	1.1773
28	**10-1-2026**	**12-31-2026**	1.1919	1.1919
29	**1-1-2027**	**3-31-2027**	1.1473	1.1473
30	**4-1-2027**	**6-30-2027**	1.1465	1.1465
31	**7-1-2027**	**9-30-2027**	1.1591	1.1591
32	**10-1-2027**	**12-31-2027**	1.1727	1.1727
33	**1-1-2028**	**3-31-2028**	1.1431	1.1431
34	**4-1-2028**	**6-30-2028**	1.1305	1.1305
35	**7-1-2028**	**9-30-2028**	1.1429	1.1429
36	**10-1-2028**	**12-31-2028**	1.1557	1.1557
37	**1-1-2029**	**3-31-2029**	1.1140	1.1140
38	**4-1-2029**	**6-30-2029**	1.1147	1.1147
39	**7-1-2029**	**9-30-2029**	1.1270	1.1270
40	**10-1-2029**	**12-31-2029**	1.1387	1.1387
41	**1-1-2030**	**3-31-2030**	0.9512	0.9512
42	**4-1-2030**	**6-30-2030**	0.9511	0.9511
43	**7-1-2030**	**9-30-2030**	0.9616	0.9616
44	**10-1-2030**	**12-31-2030**	0.9723	0.9723
45	**1-1-2031**	**3-31-2031**	0.9379	0.9379
46	**4-1-2031**	**6-30-2031**	0.9387	0.9387
47	**7-1-2031**	**9-30-2031**	0.9490	0.9490
48	**10-1-2031**	**12-31-2031**	0.9587	0.9587
49	**1-1-2032**	**3-31-2032**	0.9348	0.9348
50	**4-1-2032**	**6-30-2032**	0.9261	0.9261

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

51	**7-1-2032**	**9-30-2032**	0.9363	0.9363
52	**10-1-2032**	**12-31-2032**	0.9451	0.9451
53	**1-1-2033**	**3-31-2033**	0.9128	0.9128
54	**4-1-2033**	**6-30-2033**	0.9151	0.9151
55	**7-1-2033**	**9-30-2033**	0.9251	0.9251
56	**10-1-2033**	**12-31-2033**	0.9331	0.9331
57	**1-1-2034**	**3-31-2034**	0.9030	0.9030
58	**4-1-2034**	**6-30-2034**	0.4018	0.4018
59	**7-1-2034**	**9-30-2034**	0.2805	0.2805
60	**10-1-2034**	**12-31-2034**	0.2807	0.2807
61	**1-1-2035**	**3-31-2035**	3.5264	3.5264
62	**4-1-2035**	**6-30-2035**	7.9691	7.9691
63	**7-1-2035**	**9-30-2035**	8.0567	8.0567
		Highest	8.0567	8.0567

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	9.9006	0.0834	7.2307	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	11.8558	11.8558	0.0113	0.0000	12.1386
Energy	0.1296	1.1137	0.5186	7.0700e-003		0.0895	0.0895		0.0895	0.0895	0.0000	3,967.7056	3,967.7056	0.1460	0.0486	3,985.8479
Mobile	2.3592	11.1474	27.5462	0.1283	16.2733	0.0687	16.3420	4.3536	0.0639	4.4174	0.0000	11,911.3054	11,911.3054	0.4288	0.0000	11,922.0245
Waste						0.0000	0.0000		0.0000	0.0000	257.6727	0.0000	257.6727	15.2280	0.0000	638.3731
Water						0.0000	0.0000		0.0000	0.0000	25.3960	197.9493	223.3453	2.6174	0.0634	307.6851
Total	**12.3893**	**12.3445**	**35.2954**	**0.1358**	**16.2733**	**0.1985**	**16.4717**	**4.3536**	**0.1936**	**4.5472**	**283.0687**	**16,088.8160**	**16,371.8846**	**18.4315**	**0.1121**	**16,866.0692**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.9006	0.0834	7.2307	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	11.8558	11.8558	0.0113	0.0000	12.1386
Energy	0.1296	1.1137	0.5186	7.0700e-003		0.0895	0.0895		0.0895	0.0895	0.0000	3,967.7056	3,967.7056	0.1460	0.0486	3,985.8479
Mobile	2.3592	11.1474	27.5462	0.1283	16.2733	0.0687	16.3420	4.3536	0.0639	4.4174	0.0000	11,911.3054	11,911.3054	0.4288	0.0000	11,922.0245
Waste						0.0000	0.0000		0.0000	0.0000	257.6727	0.0000	257.6727	15.2280	0.0000	638.3731
Water						0.0000	0.0000		0.0000	0.0000	25.3960	197.9493	223.3453	2.6174	0.0634	307.6851
Total	**12.3893**	**12.3445**	**35.2954**	**0.1358**	**16.2733**	**0.1985**	**16.4717**	**4.3536**	**0.1936**	**4.5472**	**283.0687**	**16,088.8160**	**16,371.8846**	**18.4315**	**0.1121**	**16,866.0692**

	ROG	NOx	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

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	10/6/2020	5	200	
2	Site Preparation	Site Preparation	10/7/2020	3/23/2021	5	120	
3	Grading	Grading	3/24/2021	5/31/2022	5	310	
4	Building Construction	Building Construction	6/1/2022	4/18/2034	5	3100	
5	Paving	Paving	4/19/2034	2/20/2035	5	220	
6	Architectural Coating	Architectural Coating	2/21/2035	12/25/2035	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 0

Residential Indoor: 3,039,120; Residential Outdoor: 1,013,040; Non-Residential Indoor: 435,104; Non-Residential Outdoor: 145,035; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	25.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	825.00	252.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	165.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7700e-003	0.0000	2.7700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	3.3201	2.1753	3.8800e-003		0.1659	0.1659		0.1542	0.1542	0.0000	339.9861	339.9861	0.0960	0.0000	342.3855
Total	**0.3312**	**3.3201**	**2.1753**	**3.8800e-003**	**2.7700e-003**	**0.1659**	**0.1686**	**4.2000e-004**	**0.1542**	**0.1546**	**0.0000**	**339.9861**	**339.9861**	**0.0960**	**0.0000**	**342.3855**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.6900e-003	8.8000e-004	1.0000e-005	2.1000e-004	2.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9518	0.9518	8.0000e-005	0.0000	0.9539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7200e-003	4.4200e-003	0.0422	1.1000e-004	0.0121	8.0000e-005	0.0121	3.2000e-003	8.0000e-005	3.2800e-003	0.0000	10.1447	10.1447	3.1000e-004	0.0000	10.1523
Total	**5.8200e-003**	**8.1100e-003**	**0.0431**	**1.2000e-004**	**0.0123**	**1.0000e-004**	**0.0124**	**3.2600e-003**	**9.0000e-005**	**3.3500e-003**	**0.0000**	**11.0965**	**11.0965**	**3.9000e-004**	**0.0000**	**11.1062**

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					2.7700e-003	0.0000	2.7700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	3.3201	2.1753	3.8800e-003		0.1659	0.1659		0.1542	0.1542	0.0000	339.9857	339.9857	0.0960	0.0000	342.3851
Total	**0.3312**	**3.3201**	**2.1753**	**3.8800e-003**	**2.7700e-003**	**0.1659**	**0.1686**	**4.2000e-004**	**0.1542**	**0.1546**	**0.0000**	**339.9857**	**339.9857**	**0.0960**	**0.0000**	**342.3851**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.6900e-003	8.8000e-004	1.0000e-005	2.1000e-004	2.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9518	0.9518	8.0000e-005	0.0000	0.9539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7200e-003	4.4200e-003	0.0422	1.1000e-004	0.0121	8.0000e-005	0.0121	3.2000e-003	8.0000e-005	3.2800e-003	0.0000	10.1447	10.1447	3.1000e-004	0.0000	10.1523
Total	**5.8200e-003**	**8.1100e-003**	**0.0431**	**1.2000e-004**	**0.0123**	**1.0000e-004**	**0.0124**	**3.2600e-003**	**9.0000e-005**	**3.3500e-003**	**0.0000**	**11.0965**	**11.0965**	**3.9000e-004**	**0.0000**	**11.1062**

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					0.5601	0.0000	0.5601	0.3079	0.0000	0.3079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1264	1.3149	0.6669	1.1800e-003		0.0681	0.0681		0.0627	0.0627	0.0000	103.6351	103.6351	0.0335	0.0000	104.4731
Total	**0.1264**	**1.3149**	**0.6669**	**1.1800e-003**	**0.5601**	**0.0681**	**0.6282**	**0.3079**	**0.0627**	**0.3705**	**0.0000**	**103.6351**	**103.6351**	**0.0335**	**0.0000**	**104.4731**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.6400e-003	0.0157	4.0000e-005	4.4800e-003	3.0000e-005	4.5100e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.7738	3.7738	1.1000e-004	0.0000	3.7767
Total	**2.1300e-003**	**1.6400e-003**	**0.0157**	**4.0000e-005**	**4.4800e-003**	**3.0000e-005**	**4.5100e-003**	**1.1900e-003**	**3.0000e-005**	**1.2200e-003**	**0.0000**	**3.7738**	**3.7738**	**1.1000e-004**	**0.0000**	**3.7767**

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					0.5601	0.0000	0.5601	0.3079	0.0000	0.3079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1264	1.3149	0.6669	1.1800e-003		0.0681	0.0681		0.0627	0.0627	0.0000	103.6350	103.6350	0.0335	0.0000	104.4729
Total	**0.1264**	**1.3149**	**0.6669**	**1.1800e-003**	**0.5601**	**0.0681**	**0.6282**	**0.3079**	**0.0627**	**0.3705**	**0.0000**	**103.6350**	**103.6350**	**0.0335**	**0.0000**	**104.4729**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.6400e-003	0.0157	4.0000e-005	4.4800e-003	3.0000e-005	4.5100e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.7738	3.7738	1.1000e-004	0.0000	3.7767
Total	**2.1300e-003**	**1.6400e-003**	**0.0157**	**4.0000e-005**	**4.4800e-003**	**3.0000e-005**	**4.5100e-003**	**1.1900e-003**	**3.0000e-005**	**1.2200e-003**	**0.0000**	**3.7738**	**3.7738**	**1.1000e-004**	**0.0000**	**3.7767**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5239	0.0000	0.5239	0.2880	0.0000	0.2880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1128	1.1744	0.6135	1.1000e-003		0.0593	0.0593		0.0546	0.0546	0.0000	96.9636	96.9636	0.0314	0.0000	97.7476
Total	**0.1128**	**1.1744**	**0.6135**	**1.1000e-003**	**0.5239**	**0.0593**	**0.5832**	**0.2880**	**0.0546**	**0.3425**	**0.0000**	**96.9636**	**96.9636**	**0.0314**	**0.0000**	**97.7476**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8600e-003	1.3800e-003	0.0134	4.0000e-005	4.1900e-003	3.0000e-005	4.2200e-003	1.1100e-003	3.0000e-005	1.1400e-003	0.0000	3.4185	3.4185	1.0000e-004	0.0000	3.4209
Total	**1.8600e-003**	**1.3800e-003**	**0.0134**	**4.0000e-005**	**4.1900e-003**	**3.0000e-005**	**4.2200e-003**	**1.1100e-003**	**3.0000e-005**	**1.1400e-003**	**0.0000**	**3.4185**	**3.4185**	**1.0000e-004**	**0.0000**	**3.4209**

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					0.5239	0.0000	0.5239	0.2880	0.0000	0.2880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1128	1.1744	0.6135	1.1000e-003		0.0593	0.0593		0.0546	0.0546	0.0000	96.9635	96.9635	0.0314	0.0000	97.7475
Total	**0.1128**	**1.1744**	**0.6135**	**1.1000e-003**	**0.5239**	**0.0593**	**0.5832**	**0.2880**	**0.0546**	**0.3425**	**0.0000**	**96.9635**	**96.9635**	**0.0314**	**0.0000**	**97.7475**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8600e-003	1.3800e-003	0.0134	4.0000e-005	4.1900e-003	3.0000e-005	4.2200e-003	1.1100e-003	3.0000e-005	1.1400e-003	0.0000	3.4185	3.4185	1.0000e-004	0.0000	3.4209
Total	**1.8600e-003**	**1.3800e-003**	**0.0134**	**4.0000e-005**	**4.1900e-003**	**3.0000e-005**	**4.2200e-003**	**1.1100e-003**	**3.0000e-005**	**1.1400e-003**	**0.0000**	**3.4185**	**3.4185**	**1.0000e-004**	**0.0000**	**3.4209**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0222	0.0000	1.0222	0.3804	0.0000	0.3804	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4254	4.7096	3.1342	6.2900e-003		0.2015	0.2015		0.1854	0.1854	0.0000	553.1241	553.1241	0.1789	0.0000	557.5964
Total	**0.4254**	**4.7096**	**3.1342**	**6.2900e-003**	**1.0222**	**0.2015**	**1.2237**	**0.3804**	**0.1854**	**0.5658**	**0.0000**	**553.1241**	**553.1241**	**0.1789**	**0.0000**	**557.5964**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2400e-003	5.3600e-003	0.0523	1.5000e-004	0.0163	1.1000e-004	0.0164	4.3300e-003	1.0000e-004	4.4300e-003	0.0000	13.2941	13.2941	3.7000e-004	0.0000	13.3034
Total	**7.2400e-003**	**5.3600e-003**	**0.0523**	**1.5000e-004**	**0.0163**	**1.1000e-004**	**0.0164**	**4.3300e-003**	**1.0000e-004**	**4.4300e-003**	**0.0000**	**13.2941**	**13.2941**	**3.7000e-004**	**0.0000**	**13.3034**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0222	0.0000	1.0222	0.3804	0.0000	0.3804	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4254	4.7096	3.1342	6.2900e-003		0.2015	0.2015		0.1854	0.1854	0.0000	553.1234	553.1234	0.1789	0.0000	557.5957
Total	**0.4254**	**4.7096**	**3.1342**	**6.2900e-003**	**1.0222**	**0.2015**	**1.2237**	**0.3804**	**0.1854**	**0.5658**	**0.0000**	**553.1234**	**553.1234**	**0.1789**	**0.0000**	**557.5957**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2400e-003	5.3600e-003	0.0523	1.5000e-004	0.0163	1.1000e-004	0.0164	4.3300e-003	1.0000e-004	4.4300e-003	0.0000	13.2941	13.2941	3.7000e-004	0.0000	13.3034
Total	**7.2400e-003**	**5.3600e-003**	**0.0523**	**1.5000e-004**	**0.0163**	**1.1000e-004**	**0.0164**	**4.3300e-003**	**1.0000e-004**	**4.4300e-003**	**0.0000**	**13.2941**	**13.2941**	**3.7000e-004**	**0.0000**	**13.3034**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7331	0.0000	0.7331	0.2215	0.0000	0.2215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1939	2.0781	1.5537	3.3200e-003		0.0875	0.0875		0.0805	0.0805	0.0000	291.7601	291.7601	0.0944	0.0000	294.1191
Total	**0.1939**	**2.0781**	**1.5537**	**3.3200e-003**	**0.7331**	**0.0875**	**0.8206**	**0.2215**	**0.0805**	**0.3019**	**0.0000**	**291.7601**	**291.7601**	**0.0944**	**0.0000**	**294.1191**

3.4 Grading - 2022

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	3.5800e-003	2.5400e-003	0.0253	7.0000e-005	8.6000e-003	6.0000e-005	8.6500e-003	2.2800e-003	5.0000e-005	2.3400e-003	0.0000	6.7549	6.7549	1.8000e-004	0.0000	6.7593
Total	**3.5800e-003**	**2.5400e-003**	**0.0253**	**7.0000e-005**	**8.6000e-003**	**6.0000e-005**	**8.6500e-003**	**2.2800e-003**	**5.0000e-005**	**2.3400e-003**	**0.0000**	**6.7549**	**6.7549**	**1.8000e-004**	**0.0000**	**6.7593**

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					0.7331	0.0000	0.7331	0.2215	0.0000	0.2215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1939	2.0781	1.5537	3.3200e-003		0.0875	0.0875		0.0805	0.0805	0.0000	291.7598	291.7598	0.0944	0.0000	294.1188
Total	**0.1939**	**2.0781**	**1.5537**	**3.3200e-003**	**0.7331**	**0.0875**	**0.8206**	**0.2215**	**0.0805**	**0.3019**	**0.0000**	**291.7598**	**291.7598**	**0.0944**	**0.0000**	**294.1188**

3.4 Grading - 2022

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	3.5800e-003	2.5400e-003	0.0253	7.0000e-005	8.6000e-003	6.0000e-005	8.6500e-003	2.2800e-003	5.0000e-005	2.3400e-003	0.0000	6.7549	6.7549	1.8000e-004	0.0000	6.7593
Total	**3.5800e-003**	**2.5400e-003**	**0.0253**	**7.0000e-005**	**8.6000e-003**	**6.0000e-005**	**8.6500e-003**	**2.2800e-003**	**5.0000e-005**	**2.3400e-003**	**0.0000**	**6.7549**	**6.7549**	**1.8000e-004**	**0.0000**	**6.7593**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1305	1.1946	1.2518	2.0600e-003		0.0619	0.0619		0.0582	0.0582	0.0000	177.2698	177.2698	0.0425	0.0000	178.3315
Total	**0.1305**	**1.1946**	**1.2518**	**2.0600e-003**		**0.0619**	**0.0619**		**0.0582**	**0.0582**	**0.0000**	**177.2698**	**177.2698**	**0.0425**	**0.0000**	**178.3315**

3.5 Building Construction - 2022

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	0.0577	1.8798	0.5484	4.9300e-003	0.1280	5.2400e-003	0.1332	0.0369	5.0100e-003	0.0419	0.0000	482.2207	482.2207	0.0339	0.0000	483.0681
Worker	0.2114	0.1497	1.4929	4.4100e-003	0.5070	3.3100e-003	0.5103	0.1347	3.0500e-003	0.1378	0.0000	398.4276	398.4276	0.0104	0.0000	398.6873
Total	**0.2691**	**2.0295**	**2.0413**	**9.3400e-003**	**0.6350**	**8.5500e-003**	**0.6435**	**0.1716**	**8.0600e-003**	**0.1797**	**0.0000**	**880.6483**	**880.6483**	**0.0443**	**0.0000**	**881.7555**

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	0.1305	1.1946	1.2518	2.0600e-003		0.0619	0.0619		0.0582	0.0582	0.0000	177.2696	177.2696	0.0425	0.0000	178.3313
Total	**0.1305**	**1.1946**	**1.2518**	**2.0600e-003**		**0.0619**	**0.0619**		**0.0582**	**0.0582**	**0.0000**	**177.2696**	**177.2696**	**0.0425**	**0.0000**	**178.3313**

3.5 Building Construction - 2022

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	0.0577	1.8798	0.5484	4.9300e-003	0.1280	5.2400e-003	0.1332	0.0369	5.0100e-003	0.0419	0.0000	482.2207	482.2207	0.0339	0.0000	483.0681
Worker	0.2114	0.1497	1.4929	4.4100e-003	0.5070	3.3100e-003	0.5103	0.1347	3.0500e-003	0.1378	0.0000	398.4276	398.4276	0.0104	0.0000	398.6873
Total	**0.2691**	**2.0295**	**2.0413**	**9.3400e-003**	**0.6350**	**8.5500e-003**	**0.6435**	**0.1716**	**8.0600e-003**	**0.1797**	**0.0000**	**880.6483**	**880.6483**	**0.0443**	**0.0000**	**881.7555**

3.5 Building Construction - 2023

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

3.5 Building Construction - 2023

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	0.0743	2.5215	0.8371	8.1900e-003	0.2175	3.8600e-003	0.2213	0.0627	3.6900e-003	0.0664	0.0000	803.1797	803.1797	0.0531	0.0000	804.5070
Worker	0.3377	0.2290	2.3286	7.2100e-003	0.8616	5.4900e-003	0.8671	0.2289	5.0500e-003	0.2340	0.0000	651.5871	651.5871	0.0158	0.0000	651.9827
Total	**0.4120**	**2.7505**	**3.1657**	**0.0154**	**1.0791**	**9.3500e-003**	**1.0884**	**0.2917**	**8.7400e-003**	**0.3004**	**0.0000**	**1,454.7668**	**1,454.7668**	**0.0689**	**0.0000**	**1,456.4896**

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.5 Building Construction - 2023

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	0.0743	2.5215	0.8371	8.1900e-003	0.2175	3.8600e-003	0.2213	0.0627	3.6900e-003	0.0664	0.0000	803.1797	803.1797	0.0531	0.0000	804.5070
Worker	0.3377	0.2290	2.3286	7.2100e-003	0.8616	5.4900e-003	0.8671	0.2289	5.0500e-003	0.2340	0.0000	651.5871	651.5871	0.0158	0.0000	651.9827
Total	**0.4120**	**2.7505**	**3.1657**	**0.0154**	**1.0791**	**9.3500e-003**	**1.0884**	**0.2917**	**8.7400e-003**	**0.3004**	**0.0000**	**1,454.7668**	**1,454.7668**	**0.0689**	**0.0000**	**1,456.4896**

3.5 Building Construction - 2024

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

3.5 Building Construction - 2024

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	0.0716	2.4914	0.8068	8.1900e-003	0.2191	3.6700e-003	0.2228	0.0632	3.5100e-003	0.0667	0.0000	805.0098	805.0098	0.0537	0.0000	806.3512
Worker	0.3213	0.2086	2.1705	6.9900e-003	0.8683	5.4200e-003	0.8737	0.2307	4.9900e-003	0.2357	0.0000	632.4988	632.4988	0.0144	0.0000	632.8589
Total	**0.3929**	**2.6999**	**2.9773**	**0.0152**	**1.0874**	**9.0900e-003**	**1.0965**	**0.2939**	**8.5000e-003**	**0.3024**	**0.0000**	**1,437.5086**	**1,437.5086**	**0.0681**	**0.0000**	**1,439.2102**

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

3.5 Building Construction - 2024

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	0.0716	2.4914	0.8068	8.1900e-003	0.2191	3.6700e-003	0.2228	0.0632	3.5100e-003	0.0667	0.0000	805.0098	805.0098	0.0537	0.0000	806.3512
Worker	0.3213	0.2086	2.1705	6.9900e-003	0.8683	5.4200e-003	0.8737	0.2307	4.9900e-003	0.2357	0.0000	632.4988	632.4988	0.0144	0.0000	632.8589
Total	**0.3929**	**2.6999**	**2.9773**	**0.0152**	**1.0874**	**9.0900e-003**	**1.0965**	**0.2939**	**8.5000e-003**	**0.3024**	**0.0000**	**1,437.5086**	**1,437.5086**	**0.0681**	**0.0000**	**1,439.2102**

3.5 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2025

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	0.0684	2.4318	0.7769	8.1000e-003	0.2183	3.4600e-003	0.2218	0.0630	3.3100e-003	0.0663	0.0000	797.1915	797.1915	0.0536	0.0000	798.5321
Worker	0.3035	0.1887	1.9991	6.6900e-003	0.8649	5.3000e-003	0.8702	0.2298	4.8800e-003	0.2347	0.0000	604.9199	604.9199	0.0130	0.0000	605.2445
Total	**0.3719**	**2.6205**	**2.7759**	**0.0148**	**1.0833**	**8.7600e-003**	**1.0920**	**0.2928**	**8.1900e-003**	**0.3010**	**0.0000**	**1,402.1113**	**1,402.1113**	**0.0666**	**0.0000**	**1,403.7766**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

3.5 Building Construction - 2025

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	0.0684	2.4318	0.7769	8.1000e-003	0.2183	3.4600e-003	0.2218	0.0630	3.3100e-003	0.0663	0.0000	797.1915	797.1915	0.0536	0.0000	798.5321
Worker	0.3035	0.1887	1.9991	6.6900e-003	0.8649	5.3000e-003	0.8702	0.2298	4.8800e-003	0.2347	0.0000	604.9199	604.9199	0.0130	0.0000	605.2445
Total	**0.3719**	**2.6205**	**2.7759**	**0.0148**	**1.0833**	**8.7600e-003**	**1.0920**	**0.2928**	**8.1900e-003**	**0.3010**	**0.0000**	**1,402.1113**	**1,402.1113**	**0.0666**	**0.0000**	**1,403.7766**

3.5 Building Construction - 2026

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2026

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	0.0659	2.3857	0.7546	8.0400e-003	0.2183	3.2900e-003	0.2216	0.0630	3.1500e-003	0.0662	0.0000	792.7763	792.7763	0.0537	0.0000	794.1193
Worker	0.2887	0.1722	1.8497	6.4300e-003	0.8649	5.1000e-003	0.8700	0.2298	4.7000e-003	0.2345	0.0000	581.8212	581.8212	0.0117	0.0000	582.1145
Total	**0.3546**	**2.5579**	**2.6043**	**0.0145**	**1.0833**	**8.3900e-003**	**1.0917**	**0.2928**	**7.8500e-003**	**0.3007**	**0.0000**	**1,374.5974**	**1,374.5974**	**0.0655**	**0.0000**	**1,376.2338**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

3.5 Building Construction - 2026

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	0.0659	2.3857	0.7546	8.0400e-003	0.2183	3.2900e-003	0.2216	0.0630	3.1500e-003	0.0662	0.0000	792.7763	792.7763	0.0537	0.0000	794.1193
Worker	0.2887	0.1722	1.8497	6.4300e-003	0.8649	5.1000e-003	0.8700	0.2298	4.7000e-003	0.2345	0.0000	581.8212	581.8212	0.0117	0.0000	582.1145
Total	**0.3546**	**2.5579**	**2.6043**	**0.0145**	**1.0833**	**8.3900e-003**	**1.0917**	**0.2928**	**7.8500e-003**	**0.3007**	**0.0000**	**1,374.5974**	**1,374.5974**	**0.0655**	**0.0000**	**1,376.2338**

3.5 Building Construction - 2027

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2027

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	0.0638	2.3420	0.7360	7.9900e-003	0.2183	3.1400e-003	0.2215	0.0630	3.0000e-003	0.0660	0.0000	788.6319	788.6319	0.0538	0.0000	789.9759
Worker	0.2743	0.1575	1.7239	6.2100e-003	0.8649	4.8300e-003	0.8698	0.2298	4.4400e-003	0.2343	0.0000	562.2971	562.2971	0.0107	0.0000	562.5641
Total	**0.3381**	**2.4995**	**2.4599**	**0.0142**	**1.0833**	**7.9700e-003**	**1.0913**	**0.2928**	**7.4400e-003**	**0.3003**	**0.0000**	**1,350.9290**	**1,350.9290**	**0.0644**	**0.0000**	**1,352.5400**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

3.5 Building Construction - 2027

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	0.0638	2.3420	0.7360	7.9900e-003	0.2183	3.1400e-003	0.2215	0.0630	3.0000e-003	0.0660	0.0000	788.6319	788.6319	0.0538	0.0000	789.9759
Worker	0.2743	0.1575	1.7239	6.2100e-003	0.8649	4.8300e-003	0.8698	0.2298	4.4400e-003	0.2343	0.0000	562.2971	562.2971	0.0107	0.0000	562.5641
Total	**0.3381**	**2.4995**	**2.4599**	**0.0142**	**1.0833**	**7.9700e-003**	**1.0913**	**0.2928**	**7.4400e-003**	**0.3003**	**0.0000**	**1,350.9290**	**1,350.9290**	**0.0644**	**0.0000**	**1,352.5400**

3.5 Building Construction - 2028

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4953**	**301.4953**	**0.0709**	**0.0000**	**303.2671**

3.5 Building Construction - 2028

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	0.0617	2.2965	0.7199	7.9200e-003	0.2175	3.0000e-003	0.2205	0.0628	2.8600e-003	0.0656	0.0000	782.1623	782.1623	0.0536	0.0000	783.5013
Worker	0.2583	0.1439	1.6081	6.0000e-003	0.8616	4.4600e-003	0.8661	0.2289	4.1000e-003	0.2330	0.0000	543.0208	543.0208	9.7400e-003	0.0000	543.2643
Total	**0.3200**	**2.4404**	**2.3279**	**0.0139**	**1.0791**	**7.4600e-003**	**1.0866**	**0.2917**	**6.9600e-003**	**0.2987**	**0.0000**	**1,325.1831**	**1,325.1831**	**0.0633**	**0.0000**	**1,326.7656**

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4949**	**301.4949**	**0.0709**	**0.0000**	**303.2667**

3.5 Building Construction - 2028

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	0.0617	2.2965	0.7199	7.9200e-003	0.2175	3.0000e-003	0.2205	0.0628	2.8600e-003	0.0656	0.0000	782.1623	782.1623	0.0536	0.0000	783.5013
Worker	0.2583	0.1439	1.6081	6.0000e-003	0.8616	4.4600e-003	0.8661	0.2289	4.1000e-003	0.2330	0.0000	543.0208	543.0208	9.7400e-003	0.0000	543.2643
Total	**0.3200**	**2.4404**	**2.3279**	**0.0139**	**1.0791**	**7.4600e-003**	**1.0866**	**0.2917**	**6.9600e-003**	**0.2987**	**0.0000**	**1,325.1831**	**1,325.1831**	**0.0633**	**0.0000**	**1,326.7656**

3.5 Building Construction - 2029

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2029

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	0.0603	2.2698	0.7107	7.9000e-003	0.2184	2.8800e-003	0.2212	0.0630	2.7500e-003	0.0658	0.0000	781.8632	781.8632	0.0538	0.0000	783.2078
Worker	0.2428	0.1323	1.5086	5.8500e-003	0.8649	4.1600e-003	0.8691	0.2298	3.8200e-003	0.2336	0.0000	529.9461	529.9461	8.9100e-003	0.0000	530.1689
Total	**0.3031**	**2.4021**	**2.2193**	**0.0138**	**1.0833**	**7.0400e-003**	**1.0903**	**0.2928**	**6.5700e-003**	**0.2994**	**0.0000**	**1,311.8093**	**1,311.8093**	**0.0627**	**0.0000**	**1,313.3766**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

3.5 Building Construction - 2029

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	0.0603	2.2698	0.7107	7.9000e-003	0.2184	2.8800e-003	0.2212	0.0630	2.7500e-003	0.0658	0.0000	781.8632	781.8632	0.0538	0.0000	783.2078
Worker	0.2428	0.1323	1.5086	5.8500e-003	0.8649	4.1600e-003	0.8691	0.2298	3.8200e-003	0.2336	0.0000	529.9461	529.9461	8.9100e-003	0.0000	530.1689
Total	**0.3031**	**2.4021**	**2.2193**	**0.0138**	**1.0833**	**7.0400e-003**	**1.0903**	**0.2928**	**6.5700e-003**	**0.2994**	**0.0000**	**1,311.8093**	**1,311.8093**	**0.0627**	**0.0000**	**1,313.3766**

3.5 Building Construction - 2030

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

3.5 Building Construction - 2030

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	0.0589	2.2389	0.7023	7.8700e-003	0.2184	2.7600e-003	0.2211	0.0630	2.6400e-003	0.0657	0.0000	779.1123	779.1123	0.0538	0.0000	780.4562
Worker	0.2264	0.1212	1.4134	5.7100e-003	0.8649	3.8700e-003	0.8688	0.2298	3.5600e-003	0.2334	0.0000	516.5982	516.5982	8.1400e-003	0.0000	516.8017
Total	**0.2853**	**2.3601**	**2.1157**	**0.0136**	**1.0833**	**6.6300e-003**	**1.0899**	**0.2928**	**6.2000e-003**	**0.2990**	**0.0000**	**1,295.7105**	**1,295.7105**	**0.0619**	**0.0000**	**1,297.2579**

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

3.5 Building Construction - 2030

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	0.0589	2.2389	0.7023	7.8700e-003	0.2184	2.7600e-003	0.2211	0.0630	2.6400e-003	0.0657	0.0000	779.1123	779.1123	0.0538	0.0000	780.4562
Worker	0.2264	0.1212	1.4134	5.7100e-003	0.8649	3.8700e-003	0.8688	0.2298	3.5600e-003	0.2334	0.0000	516.5982	516.5982	8.1400e-003	0.0000	516.8017
Total	**0.2853**	**2.3601**	**2.1157**	**0.0136**	**1.0833**	**6.6300e-003**	**1.0899**	**0.2928**	**6.2000e-003**	**0.2990**	**0.0000**	**1,295.7105**	**1,295.7105**	**0.0619**	**0.0000**	**1,297.2579**

3.5 Building Construction - 2031

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

3.5 Building Construction - 2031

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	0.0581	2.2173	0.6975	7.8500e-003	0.2184	2.6700e-003	0.2210	0.0630	2.5500e-003	0.0656	0.0000	777.6299	777.6299	0.0538	0.0000	778.9740
Worker	0.2078	0.1105	1.3230	5.5900e-003	0.8649	3.6200e-003	0.8686	0.2298	3.3300e-003	0.2331	0.0000	506.1405	506.1405	7.4300e-003	0.0000	506.3262
Total	**0.2659**	**2.3278**	**2.0206**	**0.0134**	**1.0833**	**6.2900e-003**	**1.0896**	**0.2928**	**5.8800e-003**	**0.2987**	**0.0000**	**1,283.7704**	**1,283.7704**	**0.0612**	**0.0000**	**1,285.3002**

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

3.5 Building Construction - 2031

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	0.0581	2.2173	0.6975	7.8500e-003	0.2184	2.6700e-003	0.2210	0.0630	2.5500e-003	0.0656	0.0000	777.6299	777.6299	0.0538	0.0000	778.9740
Worker	0.2078	0.1105	1.3230	5.5900e-003	0.8649	3.6200e-003	0.8686	0.2298	3.3300e-003	0.2331	0.0000	506.1405	506.1405	7.4300e-003	0.0000	506.3262
Total	**0.2659**	**2.3278**	**2.0206**	**0.0134**	**1.0833**	**6.2900e-003**	**1.0896**	**0.2928**	**5.8800e-003**	**0.2987**	**0.0000**	**1,283.7704**	**1,283.7704**	**0.0612**	**0.0000**	**1,285.3002**

3.5 Building Construction - 2032

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	**0.1715**	**1.0394**	**2.1166**	**4.0600e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**344.3479**	**344.3479**	**0.0138**	**0.0000**	**344.6933**

3.5 Building Construction - 2032

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	0.0574	2.1999	0.6959	7.8600e-003	0.2192	2.5900e-003	0.2218	0.0633	2.4800e-003	0.0657	0.0000	778.8824	778.8824	0.0540	0.0000	780.2313
Worker	0.1921	0.1016	1.2456	5.5000e-003	0.8683	3.3900e-003	0.8716	0.2307	3.1100e-003	0.2338	0.0000	497.7812	497.7812	6.8000e-003	0.0000	497.9512
Total	**0.2495**	**2.3014**	**1.9415**	**0.0134**	**1.0875**	**5.9800e-003**	**1.0935**	**0.2940**	**5.5900e-003**	**0.2995**	**0.0000**	**1,276.6637**	**1,276.6637**	**0.0608**	**0.0000**	**1,278.1825**

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	**0.1715**	**1.0394**	**2.1166**	**4.0600e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**344.3475**	**344.3475**	**0.0138**	**0.0000**	**344.6929**

3.5 Building Construction - 2032

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	0.0574	2.1999	0.6959	7.8600e-003	0.2192	2.5900e-003	0.2218	0.0633	2.4800e-003	0.0657	0.0000	778.8824	778.8824	0.0540	0.0000	780.2313
Worker	0.1921	0.1016	1.2456	5.5000e-003	0.8683	3.3900e-003	0.8716	0.2307	3.1100e-003	0.2338	0.0000	497.7812	497.7812	6.8000e-003	0.0000	497.9512
Total	**0.2495**	**2.3014**	**1.9415**	**0.0134**	**1.0875**	**5.9800e-003**	**1.0935**	**0.2940**	**5.5900e-003**	**0.2995**	**0.0000**	**1,276.6637**	**1,276.6637**	**0.0608**	**0.0000**	**1,278.1825**

3.5 Building Construction - 2033

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	**0.1702**	**1.0315**	**2.1004**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.7193**	**341.7193**	**0.0137**	**0.0000**	**342.0621**

3.5 Building Construction - 2033

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	0.0562	2.1599	0.6876	7.7800e-003	0.2176	2.4900e-003	0.2200	0.0628	2.3800e-003	0.0652	0.0000	771.5317	771.5317	0.0535	0.0000	772.8700
Worker	0.1767	0.0930	1.1659	5.3600e-003	0.8616	3.1400e-003	0.8648	0.2289	2.8900e-003	0.2318	0.0000	485.1294	485.1294	6.1900e-003	0.0000	485.2843
Total	**0.2329**	**2.2529**	**1.8535**	**0.0131**	**1.0792**	**5.6300e-003**	**1.0848**	**0.2917**	**5.2700e-003**	**0.2970**	**0.0000**	**1,256.6611**	**1,256.6611**	**0.0597**	**0.0000**	**1,258.1543**

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	**0.1702**	**1.0315**	**2.1004**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.7189**	**341.7189**	**0.0137**	**0.0000**	**342.0617**

3.5 Building Construction - 2033

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	0.0562	2.1599	0.6876	7.7800e-003	0.2176	2.4900e-003	0.2200	0.0628	2.3800e-003	0.0652	0.0000	771.5317	771.5317	0.0535	0.0000	772.8700
Worker	0.1767	0.0930	1.1659	5.3600e-003	0.8616	3.1400e-003	0.8648	0.2289	2.8900e-003	0.2318	0.0000	485.1294	485.1294	6.1900e-003	0.0000	485.2843
Total	**0.2329**	**2.2529**	**1.8535**	**0.0131**	**1.0792**	**5.6300e-003**	**1.0848**	**0.2917**	**5.2700e-003**	**0.2970**	**0.0000**	**1,256.6611**	**1,256.6611**	**0.0597**	**0.0000**	**1,258.1543**

3.5 Building Construction - 2034

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	0.0504	0.3055	0.6220	1.1900e-003		5.7000e-003	5.7000e-003		5.7000e-003	5.7000e-003	0.0000	101.2015	101.2015	4.0600e-003	0.0000	101.3030
Total	**0.0504**	**0.3055**	**0.6220**	**1.1900e-003**		**5.7000e-003**	**5.7000e-003**		**5.7000e-003**	**5.7000e-003**	**0.0000**	**101.2015**	**101.2015**	**4.0600e-003**	**0.0000**	**101.3030**

3.5 Building Construction - 2034

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	0.0165	0.6339	0.2028	2.3000e-003	0.0644	7.2000e-004	0.0652	0.0186	6.9000e-004	0.0193	0.0000	228.1663	228.1663	0.0159	0.0000	228.5625
Worker	0.0488	0.0256	0.3258	1.5600e-003	0.2552	8.7000e-004	0.2560	0.0678	8.0000e-004	0.0686	0.0000	141.4007	141.4007	1.6800e-003	0.0000	141.4427
Total	**0.0653**	**0.6595**	**0.5286**	**3.8600e-003**	**0.3196**	**1.5900e-003**	**0.3212**	**0.0864**	**1.4900e-003**	**0.0879**	**0.0000**	**369.5669**	**369.5669**	**0.0175**	**0.0000**	**370.0053**

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	0.0504	0.3055	0.6220	1.1900e-003		5.7000e-003	5.7000e-003		5.7000e-003	5.7000e-003	0.0000	101.2014	101.2014	4.0600e-003	0.0000	101.3029
Total	**0.0504**	**0.3055**	**0.6220**	**1.1900e-003**		**5.7000e-003**	**5.7000e-003**		**5.7000e-003**	**5.7000e-003**	**0.0000**	**101.2014**	**101.2014**	**4.0600e-003**	**0.0000**	**101.3029**

3.5 Building Construction - 2034

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	0.0165	0.6339	0.2028	2.3000e-003	0.0644	7.2000e-004	0.0652	0.0186	6.9000e-004	0.0193	0.0000	228.1663	228.1663	0.0159	0.0000	228.5625
Worker	0.0488	0.0256	0.3258	1.5600e-003	0.2552	8.7000e-004	0.2560	0.0678	8.0000e-004	0.0686	0.0000	141.4007	141.4007	1.6800e-003	0.0000	141.4427
Total	**0.0653**	**0.6595**	**0.5286**	**3.8600e-003**	**0.3196**	**1.5900e-003**	**0.3212**	**0.0864**	**1.4900e-003**	**0.0879**	**0.0000**	**369.5669**	**369.5669**	**0.0175**	**0.0000**	**370.0053**

3.6 Paving - 2034

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	0.1267	0.6515	1.4502	2.5700e-003		0.0303	0.0303		0.0303	0.0303	0.0000	220.5106	220.5106	0.0103	0.0000	220.7690
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1267**	**0.6515**	**1.4502**	**2.5700e-003**		**0.0303**	**0.0303**		**0.0303**	**0.0303**	**0.0000**	**220.5106**	**220.5106**	**0.0103**	**0.0000**	**220.7690**

3.6 Paving - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.1100e-003	0.0141	7.0000e-005	0.0110	4.0000e-005	0.0111	2.9300e-003	3.0000e-005	2.9600e-003	0.0000	6.1101	6.1101	7.0000e-005	0.0000	6.1119
Total	**2.1100e-003**	**1.1100e-003**	**0.0141**	**7.0000e-005**	**0.0110**	**4.0000e-005**	**0.0111**	**2.9300e-003**	**3.0000e-005**	**2.9600e-003**	**0.0000**	**6.1101**	**6.1101**	**7.0000e-005**	**0.0000**	**6.1119**

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	0.1267	0.6515	1.4502	2.5700e-003		0.0303	0.0303		0.0303	0.0303	0.0000	220.5103	220.5103	0.0103	0.0000	220.7687
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1267**	**0.6515**	**1.4502**	**2.5700e-003**		**0.0303**	**0.0303**		**0.0303**	**0.0303**	**0.0000**	**220.5103**	**220.5103**	**0.0103**	**0.0000**	**220.7687**

3.6 Paving - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.1100e-003	0.0141	7.0000e-005	0.0110	4.0000e-005	0.0111	2.9300e-003	3.0000e-005	2.9600e-003	0.0000	6.1101	6.1101	7.0000e-005	0.0000	6.1119
Total	**2.1100e-003**	**1.1100e-003**	**0.0141**	**7.0000e-005**	**0.0110**	**4.0000e-005**	**0.0111**	**2.9300e-003**	**3.0000e-005**	**2.9600e-003**	**0.0000**	**6.1101**	**6.1101**	**7.0000e-005**	**0.0000**	**6.1119**

3.6 Paving - 2035

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	0.0211	0.0902	0.2927	5.2000e-004		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	44.5841	44.5841	1.7200e-003	0.0000	44.6270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0211**	**0.0902**	**0.2927**	**5.2000e-004**		**3.4700e-003**	**3.4700e-003**		**3.4700e-003**	**3.4700e-003**	**0.0000**	**44.5841**	**44.5841**	**1.7200e-003**	**0.0000**	**44.6270**

3.6 Paving - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.1000e-004	2.7000e-003	1.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.2185	1.2185	1.0000e-005	0.0000	1.2188
Total	**4.0000e-004**	**2.1000e-004**	**2.7000e-003**	**1.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2400e-003**	**5.9000e-004**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**1.2185**	**1.2185**	**1.0000e-005**	**0.0000**	**1.2188**

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	0.0211	0.0902	0.2927	5.2000e-004		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	44.5841	44.5841	1.7200e-003	0.0000	44.6269
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0211**	**0.0902**	**0.2927**	**5.2000e-004**		**3.4700e-003**	**3.4700e-003**		**3.4700e-003**	**3.4700e-003**	**0.0000**	**44.5841**	**44.5841**	**1.7200e-003**	**0.0000**	**44.6269**

3.6 Paving - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.1000e-004	2.7000e-003	1.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.2185	1.2185	1.0000e-005	0.0000	1.2188
Total	**4.0000e-004**	**2.1000e-004**	**2.7000e-003**	**1.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2400e-003**	**5.9000e-004**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**1.2185**	**1.2185**	**1.0000e-005**	**0.0000**	**1.2188**

3.7 Architectural Coating - 2035

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	26.8384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	**26.8514**	**0.0834**	**0.1974**	**3.3000e-004**		**1.0900e-003**	**1.0900e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**28.0858**	**28.0858**	**1.0400e-003**	**0.0000**	**28.1117**

3.7 Architectural Coating - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0262	0.0138	0.1768	8.8000e-004	0.1458	4.7000e-004	0.1463	0.0387	4.3000e-004	0.0392	0.0000	79.6948	79.6948	8.9000e-004	0.0000	79.7170
Total	**0.0262**	**0.0138**	**0.1768**	**8.8000e-004**	**0.1458**	**4.7000e-004**	**0.1463**	**0.0387**	**4.3000e-004**	**0.0392**	**0.0000**	**79.6948**	**79.6948**	**8.9000e-004**	**0.0000**	**79.7170**

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	26.8384					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	**26.8514**	**0.0834**	**0.1974**	**3.3000e-004**		**1.0900e-003**	**1.0900e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**28.0858**	**28.0858**	**1.0400e-003**	**0.0000**	**28.1117**

3.7 Architectural Coating - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0262	0.0138	0.1768	8.8000e-004	0.1458	4.7000e-004	0.1463	0.0387	4.3000e-004	0.0392	0.0000	79.6948	79.6948	8.9000e-004	0.0000	79.7170
Total	**0.0262**	**0.0138**	**0.1768**	**8.8000e-004**	**0.1458**	**4.7000e-004**	**0.1463**	**0.0387**	**4.3000e-004**	**0.0392**	**0.0000**	**79.6948**	**79.6948**	**8.9000e-004**	**0.0000**	**79.7170**

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	2.3592	11.1474	27.5462	0.1283	16.2733	0.0687	16.3420	4.3536	0.0639	4.4174	0.0000	11,911.3054	11,911.3054	0.4288	0.0000	11,922.0245
Unmitigated	2.3592	11.1474	27.5462	0.1283	16.2733	0.0687	16.3420	4.3536	0.0639	4.4174	0.0000	11,911.3054	11,911.3054	0.4288	0.0000	11,922.0245

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,359.36	1,359.36	1359.36	3,825,307	3,825,307
City Park	700.00	700.00	700.00	1,494,397	1,494,397
Junior High School	1,704.00	1,704.00	1704.00	3,830,923	3,830,923
Apartments High Rise	1,288.32	1,288.32	1288.32	3,625,397	3,625,397
Regional Shopping Center	7,399.76	7,399.76	7399.76	12,974,026	12,974,026
Single Family Housing	6,192.64	6,192.64	6192.64	17,426,398	17,426,398
Total	18,644.08	18,644.08	18,644.08	43,176,448	43,176,448

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
Apartments Mid Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Apartments High Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Apartments Mid Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
City Park	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Junior High School	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Regional Shopping Center	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Single Family Housing	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,685.3647	2,685.3647	0.1214	0.0251	2,695.8867
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,685.3647	2,685.3647	0.1214	0.0251	2,695.8867
NaturalGas Mitigated	0.1296	1.1137	0.5186	7.0700e-003		0.0895	0.0895		0.0895	0.0895	0.0000	1,282.3409	1,282.3409	0.0246	0.0235	1,289.9612
NaturalGas Unmitigated	0.1296	1.1137	0.5186	7.0700e-003		0.0895	0.0895		0.0895	0.0895	0.0000	1,282.3409	1,282.3409	0.0246	0.0235	1,289.9612

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					
Apartments High Rise	1.52054e+006	8.2000e-003	0.0701	0.0298	4.5000e-004		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	81.1420	81.1420	1.5600e-003	1.4900e-003	81.6242
Apartments Mid Rise	1.24408e+006	6.7100e-003	0.0573	0.0244	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	66.3889	66.3889	1.2700e-003	1.2200e-003	66.7834
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	1.73427e+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	92.5473	92.5473	1.7700e-003	1.7000e-003	93.0972
Regional Shopping Center	464567	2.5100e-003	0.0228	0.0191	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.7911	24.7911	4.8000e-004	4.5000e-004	24.9384
Single Family Housing	1.90667e+007	0.1028	0.8786	0.3739	5.6100e-003		0.0710	0.0710		0.0710	0.0710	0.0000	1,017.4717	1,017.4717	0.0195	0.0187	1,023.5180
Total		**0.1296**	**1.1137**	**0.5186**	**7.0800e-003**		**0.0895**	**0.0895**		**0.0895**	**0.0895**	**0.0000**	**1,282.3409**	**1,282.3409**	**0.0246**	**0.0235**	**1,289.9612**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	1.52054e+006	8.2000e-003	0.0701	0.0298	4.5000e-004		5.6600e-003	5.6600e-003		5.6600e-003	5.6600e-003	0.0000	81.1420	81.1420	1.5600e-003	1.4900e-003	81.6242
Apartments Mid Rise	1.24408e+006	6.7100e-003	0.0573	0.0244	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	66.3889	66.3889	1.2700e-003	1.2200e-003	66.7834
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	1.73427e+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	92.5473	92.5473	1.7700e-003	1.7000e-003	93.0972
Regional Shopping Center	464567	2.5100e-003	0.0228	0.0191	1.4000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	24.7911	24.7911	4.8000e-004	4.5000e-004	24.9384
Single Family Housing	1.90667e+007	0.1028	0.8786	0.3739	5.6100e-003		0.0710	0.0710		0.0710	0.0710	0.0000	1,017.4717	1,017.4717	0.0195	0.0187	1,023.5180
Total		**0.1296**	**1.1137**	**0.5186**	**7.0800e-003**		**0.0895**	**0.0895**		**0.0895**	**0.0895**	**0.0000**	**1,282.3409**	**1,282.3409**	**0.0246**	**0.0235**	**1,289.9612**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	726590	211.3733	9.5600e-003	1.9800e-003	212.2015
Apartments Mid Rise	594482	172.9418	7.8200e-003	1.6200e-003	173.6194
City Park	0	0.0000	0.0000	0.0000	0.0000
Junior High School	506926	147.4706	6.6700e-003	1.3800e-003	148.0484
Regional Shopping Center	2.09545e+006	609.5915	0.0276	5.7000e-003	611.9801
Single Family Housing	5.30741e+006	1,543.9876	0.0698	0.0144	1,550.0374
Total		**2,685.3647**	**0.1214**	**0.0251**	**2,695.8867**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	726590	211.3733	9.5600e-003	1.9800e-003	212.2015
Apartments Mid Rise	594482	172.9418	7.8200e-003	1.6200e-003	173.6194
City Park	0	0.0000	0.0000	0.0000	0.0000
Junior High School	506926	147.4706	6.6700e-003	1.3800e-003	148.0484
Regional Shopping Center	2.09545e+006	609.5915	0.0276	5.7000e-003	611.9801
Single Family Housing	5.30741e+006	1,543.9876	0.0698	0.0144	1,550.0374
Total		**2,685.3647**	**0.1214**	**0.0251**	**2,695.8867**

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	9.9006	0.0834	7.2307	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	11.8558	11.8558	0.0113	0.0000	12.1386
Unmitigated	9.9006	0.0834	7.2307	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	11.8558	11.8558	0.0113	0.0000	12.1386

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	2.6838					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2168	0.0834	7.2307	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	11.8558	11.8558	0.0113	0.0000	12.1386
Total	**9.9006**	**0.0834**	**7.2307**	**3.8000e-004**		**0.0402**	**0.0402**		**0.0402**	**0.0402**	**0.0000**	**11.8558**	**11.8558**	**0.0113**	**0.0000**	**12.1386**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6838					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2168	0.0834	7.2307	3.8000e-004		0.0402	0.0402		0.0402	0.0402	0.0000	11.8558	11.8558	0.0113	0.0000	12.1386
Total	**9.9006**	**0.0834**	**7.2307**	**3.8000e-004**		**0.0402**	**0.0402**		**0.0402**	**0.0402**	**0.0000**	**11.8558**	**11.8558**	**0.0113**	**0.0000**	**12.1386**

7.0 Water Detail

7.1 Mitigation Measures Water

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	223.3453	2.6174	0.0634	307.6851
Unmitigated	223.3453	2.6174	0.0634	307.6851

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	11.4671 / 7.22926	29.0494	0.3748	9.0600e-003	41.1196
Apartments Mid Rise	9.38218 / 5.91485	23.7677	0.3067	7.4100e-003	33.6433
City Park	0 / 16.6807	16.9842	7.7000e-004	1.6000e-004	17.0507
Junior High School	1.93939 / 4.98701	8.7458	0.0636	1.5700e-003	10.8023
Regional Shopping Center	14.5197 / 8.89917	36.5233	0.4746	0.0115	51.8055
Single Family Housing	42.741 / 26.9454	108.2750	1.3970	0.0338	153.2638
Total		**223.3453**	**2.6174**	**0.0634**	**307.6851**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	11.4671 / 7.22926	29.0494	0.3748	9.0600e-003	41.1196
Apartments Mid Rise	9.38218 / 5.91485	23.7677	0.3067	7.4100e-003	33.6433
City Park	0 / 16.6807	16.9842	7.7000e-004	1.6000e-004	17.0507
Junior High School	1.93939 / 4.98701	8.7458	0.0636	1.5700e-003	10.8023
Regional Shopping Center	14.5197 / 8.89917	36.5233	0.4746	0.0115	51.8055
Single Family Housing	42.741 / 26.9454	108.2750	1.3970	0.0338	153.2638
Total		**223.3453**	**2.6174**	**0.0634**	**307.6851**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	257.6727	15.2280	0.0000	638.3731
Unmitigated	257.6727	15.2280	0.0000	638.3731

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	80.96	16.4342	0.9712	0.0000	40.7149
Apartments Mid Rise	66.24	13.4461	0.7946	0.0000	33.3122
City Park	1.2	0.2436	0.0144	0.0000	0.6035
Junior High School	146	29.6367	1.7515	0.0000	73.4236
Regional Shopping Center	205.82	41.7796	2.4691	0.0000	103.5072
Single Family Housing	769.16	156.1325	9.2272	0.0000	386.8117
Total		**257.6727**	**15.2280**	**0.0000**	**638.3731**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	80.96	16.4342	0.9712	0.0000	40.7149
Apartments Mid Rise	66.24	13.4461	0.7946	0.0000	33.3122
City Park	1.2	0.2436	0.0144	0.0000	0.6035
Junior High School	146	29.6367	1.7515	0.0000	73.4236
Regional Shopping Center	205.82	41.7796	2.4691	0.0000	103.5072
Single Family Housing	769.16	156.1325	9.2272	0.0000	386.8117
Total		**257.6727**	**15.2280**	**0.0000**	**638.3731**

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

Existing Blosser SE Specific Plan

South Central Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	800.00	Student	24.00	94,049.35	0
City Park	14.00	Acre	14.00	609,840.00	0
Apartments Mid Rise	144.00	Dwelling Unit	12.00	144,000.00	412
Single Family Housing	656.00	Dwelling Unit	82.00	1,180,800.00	1876
Regional Shopping Center	196.02	1000sqft	15.00	196,020.00	0
Apartments High Rise	176.00	Dwelling Unit	8.00	176,000.00	503

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.9	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - LU acreages based on Specific Plan and unit amounts equivalent to Traffic Study.

Demolition -

Vehicle Trips - Trip rates based on Traffic Study (ATE 2019).

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	2.16	24.00
tblLandUse	LotAcreage	3.79	12.00
tblLandUse	LotAcreage	212.99	82.00
tblLandUse	LotAcreage	4.50	15.00
tblLandUse	LotAcreage	2.84	8.00
tblVehicleTrips	ST_TR	4.98	7.32
tblVehicleTrips	ST_TR	6.39	9.44
tblVehicleTrips	ST_TR	22.75	50.00
tblVehicleTrips	ST_TR	0.00	2.13
tblVehicleTrips	ST_TR	49.97	37.75
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	3.65	7.32
tblVehicleTrips	SU_TR	5.86	9.44
tblVehicleTrips	SU_TR	16.74	50.00
tblVehicleTrips	SU_TR	0.00	2.13
tblVehicleTrips	SU_TR	25.24	37.75
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	4.20	7.32
tblVehicleTrips	WD_TR	6.65	9.44
tblVehicleTrips	WD_TR	1.89	50.00
tblVehicleTrips	WD_TR	1.62	2.13
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1439	42.4645	22.1932	0.0401	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,874.2053	3,874.2053	1.1960	0.0000	3,900.7621
2021	4.2612	46.4468	31.4056	0.0635	18.2141	2.0454	20.2596	9.9699	1.8818	11.8517	0.0000	6,156.7409	6,156.7409	1.9469	0.0000	6,205.4145
2022	5.1536	41.6723	43.1642	0.1517	8.8376	1.6359	10.4736	3.6401	1.5051	5.1452	0.0000	15,524.5930	15,524.5930	1.9479	0.0000	15,555.6555
2023	4.6769	35.2031	40.7777	0.1480	8.4807	0.7710	9.2517	2.2878	0.7251	3.0129	0.0000	15,162.7722	15,162.7722	1.1864	0.0000	15,192.4323
2024	4.4072	33.7423	39.0825	0.1454	8.4808	0.6822	9.1630	2.2879	0.6413	2.9292	0.0000	14,915.9675	14,915.9675	1.1713	0.0000	14,945.2501
2025	4.1548	32.2636	37.5385	0.1428	8.4809	0.5942	9.0751	2.2879	0.5585	2.8465	0.0000	14,655.5809	14,655.5809	1.1578	0.0000	14,684.5261
2026	4.0228	31.8066	36.2155	0.1403	8.4810	0.5915	9.0725	2.2879	0.5560	2.8439	0.0000	14,415.5955	14,415.5955	1.1480	0.0000	14,444.2958
2027	3.8968	31.3797	35.1038	0.1382	8.4811	0.5882	9.0693	2.2880	0.5529	2.8409	0.0000	14,209.2251	14,209.2251	1.1395	0.0000	14,237.7115
2028	3.7695	31.0156	34.1540	0.1363	8.4812	0.5846	9.0658	2.2880	0.5495	2.8376	0.0000	14,029.1334	14,029.1334	1.1319	0.0000	14,057.4303
2029	3.6327	30.6665	33.2476	0.1346	8.4812	0.5812	9.0624	2.2880	0.5464	2.8344	0.0000	13,868.1241	13,868.1241	1.1247	0.0000	13,896.2419
2030	3.4408	25.8238	32.5200	0.1372	8.4813	0.1987	8.6800	2.2881	0.1954	2.4834	0.0000	14,068.9668	14,068.9668	0.6333	0.0000	14,084.7989
2031	3.2954	25.5877	31.7890	0.1361	8.4814	0.1961	8.6775	2.2881	0.1930	2.4811	0.0000	13,965.0009	13,965.0009	0.6273	0.0000	13,980.6845
2032	3.1650	25.3304	31.1207	0.1350	8.4814	0.1936	8.6750	2.2881	0.1906	2.4787	0.0000	13,860.7833	13,860.7833	0.6217	0.0000	13,876.3249
2033	3.0540	25.1024	30.5527	0.1341	8.4814	0.1913	8.6727	2.2881	0.1885	2.4766	0.0000	13,771.2809	13,771.2809	0.6169	0.0000	13,786.7034
2034	2.9599	24.9110	30.0187	0.1333	8.4815	0.3310	8.6707	2.2881	0.3310	2.4748	0.0000	13,694.7856	13,694.7856	0.6124	0.0000	13,710.0966
2035	244.3348	4.8863	15.9729	0.0288	1.3554	0.1878	1.3696	0.3595	0.1878	0.3733	0.0000	2,731.8360	2,731.8360	0.1031	0.0000	2,734.4130
Maximum	**244.3348**	**46.4468**	**43.1642**	**0.1517**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**15,524.5930**	**15,524.5930**	**1.9479**	**0.0000**	**15,555.6555**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1439	42.4645	22.1932	0.0401	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,874.2053	3,874.2053	1.1960	0.0000	3,900.7621
2021	4.2612	46.4468	31.4056	0.0635	18.2141	2.0454	20.2596	9.9699	1.8818	11.8517	0.0000	6,156.7409	6,156.7409	1.9469	0.0000	6,205.4144
2022	5.1536	41.6723	43.1642	0.1517	8.8376	1.6359	10.4736	3.6401	1.5051	5.1452	0.0000	15,524.5930	15,524.5930	1.9479	0.0000	15,555.6555
2023	4.6769	35.2031	40.7777	0.1480	8.4807	0.7710	9.2517	2.2878	0.7251	3.0129	0.0000	15,162.7722	15,162.7722	1.1864	0.0000	15,192.4323
2024	4.4072	33.7423	39.0825	0.1454	8.4808	0.6822	9.1630	2.2879	0.6413	2.9292	0.0000	14,915.9675	14,915.9675	1.1713	0.0000	14,945.2501
2025	4.1548	32.2636	37.5385	0.1428	8.4809	0.5942	9.0751	2.2879	0.5585	2.8465	0.0000	14,655.5809	14,655.5809	1.1578	0.0000	14,684.5261
2026	4.0228	31.8066	36.2155	0.1403	8.4810	0.5915	9.0725	2.2879	0.5560	2.8439	0.0000	14,415.5955	14,415.5955	1.1480	0.0000	14,444.2958
2027	3.8968	31.3797	35.1038	0.1382	8.4811	0.5882	9.0693	2.2880	0.5529	2.8409	0.0000	14,209.2251	14,209.2251	1.1395	0.0000	14,237.7115
2028	3.7695	31.0156	34.1540	0.1363	8.4812	0.5846	9.0658	2.2880	0.5495	2.8376	0.0000	14,029.1334	14,029.1334	1.1319	0.0000	14,057.4303
2029	3.6327	30.6665	33.2476	0.1346	8.4812	0.5812	9.0624	2.2880	0.5464	2.8344	0.0000	13,868.1241	13,868.1241	1.1247	0.0000	13,896.2419
2030	3.4408	25.8238	32.5200	0.1372	8.4813	0.1987	8.6800	2.2881	0.1954	2.4834	0.0000	14,068.9668	14,068.9668	0.6333	0.0000	14,084.7989
2031	3.2954	25.5877	31.7890	0.1361	8.4814	0.1961	8.6775	2.2881	0.1930	2.4811	0.0000	13,965.0009	13,965.0009	0.6273	0.0000	13,980.6845
2032	3.1650	25.3304	31.1207	0.1350	8.4814	0.1936	8.6750	2.2881	0.1906	2.4787	0.0000	13,860.7833	13,860.7833	0.6217	0.0000	13,876.3249
2033	3.0540	25.1024	30.5527	0.1341	8.4814	0.1913	8.6727	2.2881	0.1885	2.4766	0.0000	13,771.2809	13,771.2809	0.6169	0.0000	13,786.7034
2034	2.9599	24.9110	30.0187	0.1333	8.4815	0.3310	8.6707	2.2881	0.3310	2.4748	0.0000	13,694.7856	13,694.7856	0.6124	0.0000	13,710.0966
2035	244.3348	4.8863	15.9729	0.0288	1.3554	0.1878	1.3696	0.3595	0.1878	0.3733	0.0000	2,731.8360	2,731.8360	0.1031	0.0000	2,734.4130
Maximum	**244.3348**	**46.4468**	**43.1642**	**0.1517**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**15,524.5930**	**15,524.5930**	**1.9479**	**0.0000**	**15,555.6555**

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Summer

	ROG	NOx	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

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	55.4705	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469	0.0000	145.2081	145.2081	0.1386	0.0000	148.6728
Energy	0.7100	6.1027	2.8417	0.0387		0.4905	0.4905		0.4905	0.4905		7,745.4184	7,745.4184	0.1485	0.1420	7,791.4455
Mobile	13.8297	59.9246	151.9175	0.7262	91.4006	0.3776	91.7782	24.4086	0.3508	24.7594		74,281.1735	74,281.1735	2.5765		74,345.5860
Total	**70.0102**	**66.9539**	**235.0999**	**0.7692**	**91.4006**	**1.3150**	**92.7157**	**24.4086**	**1.2883**	**25.6968**	**0.0000**	**82,171.8000**	**82,171.8000**	**2.8635**	**0.1420**	**82,285.7043**

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	55.4705	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469	0.0000	145.2081	145.2081	0.1386	0.0000	148.6728
Energy	0.7100	6.1027	2.8417	0.0387		0.4905	0.4905		0.4905	0.4905		7,745.4184	7,745.4184	0.1485	0.1420	7,791.4455
Mobile	13.8297	59.9246	151.9175	0.7262	91.4006	0.3776	91.7782	24.4086	0.3508	24.7594		74,281.1735	74,281.1735	2.5765		74,345.5860
Total	**70.0102**	**66.9539**	**235.0999**	**0.7692**	**91.4006**	**1.3150**	**92.7157**	**24.4086**	**1.2883**	**25.6968**	**0.0000**	**82,171.8000**	**82,171.8000**	**2.8635**	**0.1420**	**82,285.7043**

	ROG	NOx	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	1/1/2020	10/6/2020	5	200	
2	Site Preparation	Site Preparation	10/7/2020	3/23/2021	5	120	
3	Grading	Grading	3/24/2021	5/31/2022	5	310	
4	Building Construction	Building Construction	6/1/2022	4/18/2034	5	3100	
5	Paving	Paving	4/19/2034	2/20/2035	5	220	
6	Architectural Coating	Architectural Coating	2/21/2035	12/25/2035	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 0

Residential Indoor: 3,039,120; Residential Outdoor: 1,013,040; Non-Residential Indoor: 435,104; Non-Residential Outdoor: 145,035; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	25.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	825.00	252.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	165.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0277	0.0000	0.0277	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0277**	**1.6587**	**1.6864**	**4.1900e-003**	**1.5419**	**1.5460**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.7000e-004	0.0361	8.6100e-003	1.0000e-004	2.1800e-003	1.5000e-004	2.3300e-003	6.0000e-004	1.5000e-004	7.4000e-004		10.5581	10.5581	8.8000e-004		10.5800
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	0.0562	0.0393	0.4314	1.1600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.6000e-004	0.0335		115.9422	115.9422	3.4500e-003		116.0285
Total	**0.0572**	**0.0754**	**0.4400**	**1.2600e-003**	**0.1254**	**9.8000e-004**	**0.1264**	**0.0333**	**9.1000e-004**	**0.0342**		**126.5003**	**126.5003**	**4.3300e-003**		**126.6085**

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					0.0277	0.0000	0.0277	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0277**	**1.6587**	**1.6864**	**4.1900e-003**	**1.5419**	**1.5460**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.7000e-004	0.0361	8.6100e-003	1.0000e-004	2.1800e-003	1.5000e-004	2.3300e-003	6.0000e-004	1.5000e-004	7.4000e-004		10.5581	10.5581	8.8000e-004		10.5800
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	0.0562	0.0393	0.4314	1.1600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.6000e-004	0.0335		115.9422	115.9422	3.4500e-003		116.0285
Total	**0.0572**	**0.0754**	**0.4400**	**1.2600e-003**	**0.1254**	**9.8000e-004**	**0.1264**	**0.0333**	**9.1000e-004**	**0.0342**		**126.5003**	**126.5003**	**4.3300e-003**		**126.6085**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0675	0.0471	0.5177	1.4000e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		139.1307	139.1307	4.1400e-003		139.2342
Total	**0.0675**	**0.0471**	**0.5177**	**1.4000e-003**	**0.1479**	**9.9000e-004**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**139.1307**	**139.1307**	**4.1400e-003**		**139.2342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0675	0.0471	0.5177	1.4000e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		139.1307	139.1307	4.1400e-003		139.2342
Total	**0.0675**	**0.0471**	**0.5177**	**1.4000e-003**	**0.1479**	**9.9000e-004**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**139.1307**	**139.1307**	**4.1400e-003**		**139.2342**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0630	0.0423	0.4744	1.3500e-003	0.1479	9.7000e-004	0.1488	0.0392	8.9000e-004	0.0401		134.7277	134.7277	3.7300e-003		134.8209
Total	**0.0630**	**0.0423**	**0.4744**	**1.3500e-003**	**0.1479**	**9.7000e-004**	**0.1488**	**0.0392**	**8.9000e-004**	**0.0401**		**134.7277**	**134.7277**	**3.7300e-003**		**134.8209**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0630	0.0423	0.4744	1.3500e-003	0.1479	9.7000e-004	0.1488	0.0392	8.9000e-004	0.0401		134.7277	134.7277	3.7300e-003		134.8209
Total	**0.0630**	**0.0423**	**0.4744**	**1.3500e-003**	**0.1479**	**9.7000e-004**	**0.1488**	**0.0392**	**8.9000e-004**	**0.0401**		**134.7277**	**134.7277**	**3.7300e-003**		**134.8209**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0700	0.0470	0.5271	1.5000e-003	0.1643	1.0800e-003	0.1654	0.0436	9.9000e-004	0.0446		149.6974	149.6974	4.1400e-003		149.8010
Total	**0.0700**	**0.0470**	**0.5271**	**1.5000e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**9.9000e-004**	**0.0446**		**149.6974**	**149.6974**	**4.1400e-003**		**149.8010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0700	0.0470	0.5271	1.5000e-003	0.1643	1.0800e-003	0.1654	0.0436	9.9000e-004	0.0446		149.6974	149.6974	4.1400e-003		149.8010
Total	**0.0700**	**0.0470**	**0.5271**	**1.5000e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**9.9000e-004**	**0.0446**		**149.6974**	**149.6974**	**4.1400e-003**		**149.8010**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

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	0.0657	0.0422	0.4852	1.4500e-003	0.1643	1.0500e-003	0.1653	0.0436	9.7000e-004	0.0446		144.3059	144.3059	3.7300e-003		144.3991
Total	**0.0657**	**0.0422**	**0.4852**	**1.4500e-003**	**0.1643**	**1.0500e-003**	**0.1653**	**0.0436**	**9.7000e-004**	**0.0446**		**144.3059**	**144.3059**	**3.7300e-003**		**144.3991**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

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	0.0657	0.0422	0.4852	1.4500e-003	0.1643	1.0500e-003	0.1653	0.0436	9.7000e-004	0.0446		144.3059	144.3059	3.7300e-003		144.3991
Total	**0.0657**	**0.0422**	**0.4852**	**1.4500e-003**	**0.1643**	**1.0500e-003**	**0.1653**	**0.0436**	**9.7000e-004**	**0.0446**		**144.3059**	**144.3059**	**3.7300e-003**		**144.3991**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

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	0.7356	24.3153	6.7864	0.0650	1.7034	0.0670	1.7703	0.4902	0.0640	0.5542		7,017.6396	7,017.6396	0.4768		7,029.5602
Worker	2.7118	1.7414	20.0144	0.0597	6.7772	0.0433	6.8204	1.7976	0.0399	1.8375		5,952.6198	5,952.6198	0.1537		5,956.4630
Total	**3.4474**	**26.0566**	**26.8008**	**0.1248**	**8.4805**	**0.1102**	**8.5908**	**2.2878**	**0.1039**	**2.3917**		**12,970.2594**	**12,970.2594**	**0.6306**		**12,986.0233**

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

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	0.7356	24.3153	6.7864	0.0650	1.7034	0.0670	1.7703	0.4902	0.0640	0.5542		7,017.6396	7,017.6396	0.4768		7,029.5602
Worker	2.7118	1.7414	20.0144	0.0597	6.7772	0.0433	6.8204	1.7976	0.0399	1.8375		5,952.6198	5,952.6198	0.1537		5,956.4630
Total	**3.4474**	**26.0566**	**26.8008**	**0.1248**	**8.4805**	**0.1102**	**8.5908**	**2.2878**	**0.1039**	**2.3917**		**12,970.2594**	**12,970.2594**	**0.6306**		**12,986.0233**

3.5 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

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	0.5563	19.2509	6.1274	0.0636	1.7035	0.0291	1.7326	0.4902	0.0278	0.5180		6,878.9825	6,878.9825	0.4406		6,889.9964
Worker	2.5478	1.5674	18.4063	0.0575	6.7772	0.0422	6.8194	1.7976	0.0389	1.8365		5,728.5797	5,728.5797	0.1380		5,732.0299
Total	**3.1042**	**20.8183**	**24.5337**	**0.1211**	**8.4807**	**0.0713**	**8.5519**	**2.2878**	**0.0667**	**2.3545**		**12,607.5622**	**12,607.5622**	**0.5786**		**12,622.0262**

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

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	0.5563	19.2509	6.1274	0.0636	1.7035	0.0291	1.7326	0.4902	0.0278	0.5180		6,878.9825	6,878.9825	0.4406		6,889.9964
Worker	2.5478	1.5674	18.4063	0.0575	6.7772	0.0422	6.8194	1.7976	0.0389	1.8365		5,728.5797	5,728.5797	0.1380		5,732.0299
Total	**3.1042**	**20.8183**	**24.5337**	**0.1211**	**8.4807**	**0.0713**	**8.5519**	**2.2878**	**0.0667**	**2.3545**		**12,607.5622**	**12,607.5622**	**0.5786**		**12,622.0262**

3.5 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

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	0.5323	18.8818	5.8640	0.0631	1.7036	0.0275	1.7311	0.4903	0.0263	0.5165		6,841.7475	6,841.7475	0.4421		6,852.7995
Worker	2.4033	1.4168	17.0517	0.0554	6.7772	0.0414	6.8186	1.7976	0.0381	1.8357		5,518.5210	5,518.5210	0.1249		5,521.6430
Total	**2.9356**	**20.2986**	**22.9157**	**0.1185**	**8.4808**	**0.0689**	**8.5497**	**2.2879**	**0.0644**	**2.3523**		**12,360.2686**	**12,360.2686**	**0.5670**		**12,374.4425**

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

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	0.5323	18.8818	5.8640	0.0631	1.7036	0.0275	1.7311	0.4903	0.0263	0.5165		6,841.7475	6,841.7475	0.4421		6,852.7995
Worker	2.4033	1.4168	17.0517	0.0554	6.7772	0.0414	6.8186	1.7976	0.0381	1.8357		5,518.5210	5,518.5210	0.1249		5,521.6430
Total	**2.9356**	**20.2986**	**22.9157**	**0.1185**	**8.4808**	**0.0689**	**8.5497**	**2.2879**	**0.0644**	**2.3523**		**12,360.2686**	**12,360.2686**	**0.5670**		**12,374.4425**

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

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	0.5112	18.5075	5.6715	0.0627	1.7037	0.0261	1.7298	0.4903	0.0249	0.5152		6,801.0274	6,801.0274	0.4438		6,812.1211
Worker	2.2763	1.2864	15.7823	0.0531	6.7772	0.0406	6.8178	1.7976	0.0374	1.8350		5,298.0791	5,298.0791	0.1131		5,300.9069
Total	**2.7874**	**19.7939**	**21.4538**	**0.1158**	**8.4809**	**0.0667**	**8.5475**	**2.2879**	**0.0623**	**2.3502**		**12,099.1065**	**12,099.1065**	**0.5569**		**12,113.0280**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

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	0.5112	18.5075	5.6715	0.0627	1.7037	0.0261	1.7298	0.4903	0.0249	0.5152		6,801.0274	6,801.0274	0.4438		6,812.1211
Worker	2.2763	1.2864	15.7823	0.0531	6.7772	0.0406	6.8178	1.7976	0.0374	1.8350		5,298.0791	5,298.0791	0.1131		5,300.9069
Total	**2.7874**	**19.7939**	**21.4538**	**0.1158**	**8.4809**	**0.0667**	**8.5475**	**2.2879**	**0.0623**	**2.3502**		**12,099.1065**	**12,099.1065**	**0.5569**		**12,113.0280**

3.5 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

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	0.4924	18.1629	5.5120	0.0622	1.7038	0.0248	1.7286	0.4903	0.0237	0.5140		6,763.1380	6,763.1380	0.4447		6,774.2566
Worker	2.1630	1.1740	14.6188	0.0511	6.7772	0.0391	6.8163	1.7976	0.0360	1.8336		5,095.9831	5,095.9831	0.1023		5,098.5412
Total	**2.6554**	**19.3369**	**20.1309**	**0.1133**	**8.4810**	**0.0639**	**8.5449**	**2.2879**	**0.0597**	**2.3477**		**11,859.1211**	**11,859.1211**	**0.5471**		**11,872.7978**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

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	0.4924	18.1629	5.5120	0.0622	1.7038	0.0248	1.7286	0.4903	0.0237	0.5140		6,763.1380	6,763.1380	0.4447		6,774.2566
Worker	2.1630	1.1740	14.6188	0.0511	6.7772	0.0391	6.8163	1.7976	0.0360	1.8336		5,095.9831	5,095.9831	0.1023		5,098.5412
Total	**2.6554**	**19.3369**	**20.1309**	**0.1133**	**8.4810**	**0.0639**	**8.5449**	**2.2879**	**0.0597**	**2.3477**		**11,859.1211**	**11,859.1211**	**0.5471**		**11,872.7978**

3.5 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

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	0.4764	17.8362	5.3794	0.0618	1.7039	0.0237	1.7276	0.4904	0.0227	0.5130		6,727.6247	6,727.6247	0.4453		6,738.7569
Worker	2.0530	1.0738	13.6397	0.0494	6.7772	0.0370	6.8142	1.7976	0.0340	1.8317		4,925.1260	4,925.1260	0.0932		4,927.4566
Total	**2.5294**	**18.9100**	**19.0191**	**0.1112**	**8.4811**	**0.0607**	**8.5418**	**2.2880**	**0.0567**	**2.3447**		**11,652.7507**	**11,652.7507**	**0.5385**		**11,666.2135**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

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	0.4764	17.8362	5.3794	0.0618	1.7039	0.0237	1.7276	0.4904	0.0227	0.5130		6,727.6247	6,727.6247	0.4453		6,738.7569
Worker	2.0530	1.0738	13.6397	0.0494	6.7772	0.0370	6.8142	1.7976	0.0340	1.8317		4,925.1260	4,925.1260	0.0932		4,927.4566
Total	**2.5294**	**18.9100**	**19.0191**	**0.1112**	**8.4811**	**0.0607**	**8.5418**	**2.2880**	**0.0567**	**2.3447**		**11,652.7507**	**11,652.7507**	**0.5385**		**11,666.2135**

3.5 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2028

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	0.4629	17.5608	5.2842	0.0615	1.7040	0.0227	1.7267	0.4904	0.0217	0.5121		6,697.8842	6,697.8842	0.4455		6,709.0223
Worker	1.9392	0.9851	12.7851	0.0479	6.7772	0.0343	6.8115	1.7976	0.0316	1.8292		4,774.7748	4,774.7748	0.0854		4,776.9099
Total	**2.4021**	**18.5460**	**18.0693**	**0.1093**	**8.4812**	**0.0570**	**8.5382**	**2.2880**	**0.0533**	**2.3413**		**11,472.6590**	**11,472.6590**	**0.5309**		**11,485.9322**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2028

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	0.4629	17.5608	5.2842	0.0615	1.7040	0.0227	1.7267	0.4904	0.0217	0.5121		6,697.8842	6,697.8842	0.4455		6,709.0223
Worker	1.9392	0.9851	12.7851	0.0479	6.7772	0.0343	6.8115	1.7976	0.0316	1.8292		4,774.7748	4,774.7748	0.0854		4,776.9099
Total	**2.4021**	**18.5460**	**18.0693**	**0.1093**	**8.4812**	**0.0570**	**8.5382**	**2.2880**	**0.0533**	**2.3413**		**11,472.6590**	**11,472.6590**	**0.5309**		**11,485.9322**

3.5 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2029

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	0.4507	17.2946	5.1997	0.0612	1.7041	0.0218	1.7258	0.4904	0.0208	0.5112		6,669.4480	6,669.4480	0.4458		6,680.5941
Worker	1.8145	0.9022	11.9632	0.0465	6.7772	0.0319	6.8090	1.7976	0.0293	1.8269		4,642.2017	4,642.2017	0.0779		4,644.1498
Total	**2.2653**	**18.1968**	**17.1629**	**0.1077**	**8.4812**	**0.0536**	**8.5349**	**2.2880**	**0.0501**	**2.3381**		**11,311.6497**	**11,311.6497**	**0.5238**		**11,324.7438**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2029

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	0.4507	17.2946	5.1997	0.0612	1.7041	0.0218	1.7258	0.4904	0.0208	0.5112		6,669.4480	6,669.4480	0.4458		6,680.5941
Worker	1.8145	0.9022	11.9632	0.0465	6.7772	0.0319	6.8090	1.7976	0.0293	1.8269		4,642.2017	4,642.2017	0.0779		4,644.1498
Total	**2.2653**	**18.1968**	**17.1629**	**0.1077**	**8.4812**	**0.0536**	**8.5349**	**2.2880**	**0.0501**	**2.3381**		**11,311.6497**	**11,311.6497**	**0.5238**		**11,324.7438**

3.5 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2030

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	0.4408	17.0624	5.1399	0.0609	1.7041	0.0209	1.7250	0.4904	0.0200	0.5104		6,645.8752	6,645.8752	0.4458		6,657.0206
Worker	1.6909	0.8268	11.2232	0.0454	6.7772	0.0296	6.8068	1.7976	0.0273	1.8249		4,525.5448	4,525.5448	0.0712		4,527.3254
Total	**2.1316**	**17.8892**	**16.3631**	**0.1062**	**8.4813**	**0.0505**	**8.5318**	**2.2881**	**0.0472**	**2.3353**		**11,171.4200**	**11,171.4200**	**0.5170**		**11,184.3460**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2030

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	0.4408	17.0624	5.1399	0.0609	1.7041	0.0209	1.7250	0.4904	0.0200	0.5104		6,645.8752	6,645.8752	0.4458		6,657.0206
Worker	1.6909	0.8268	11.2232	0.0454	6.7772	0.0296	6.8068	1.7976	0.0273	1.8249		4,525.5448	4,525.5448	0.0712		4,527.3254
Total	**2.1316**	**17.8892**	**16.3631**	**0.1062**	**8.4813**	**0.0505**	**8.5318**	**2.2881**	**0.0472**	**2.3353**		**11,171.4200**	**11,171.4200**	**0.5170**		**11,184.3460**

3.5 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2031

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	0.4346	16.8993	5.1077	0.0607	1.7042	0.0203	1.7244	0.4905	0.0194	0.5098		6,633.1347	6,633.1347	0.4460		6,644.2854
Worker	1.5517	0.7538	10.5243	0.0444	6.7772	0.0277	6.8049	1.7976	0.0255	1.8231		4,434.3195	4,434.3195	0.0651		4,435.9463
Total	**1.9863**	**17.6531**	**15.6320**	**0.1051**	**8.4814**	**0.0480**	**8.5293**	**2.2881**	**0.0449**	**2.3330**		**11,067.4542**	**11,067.4542**	**0.5111**		**11,080.2316**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2031

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	0.4346	16.8993	5.1077	0.0607	1.7042	0.0203	1.7244	0.4905	0.0194	0.5098		6,633.1347	6,633.1347	0.4460		6,644.2854
Worker	1.5517	0.7538	10.5243	0.0444	6.7772	0.0277	6.8049	1.7976	0.0255	1.8231		4,434.3195	4,434.3195	0.0651		4,435.9463
Total	**1.9863**	**17.6531**	**15.6320**	**0.1051**	**8.4814**	**0.0480**	**8.5293**	**2.2881**	**0.0449**	**2.3330**		**11,067.4542**	**11,067.4542**	**0.5111**		**11,080.2316**

3.5 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2032

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	0.4277	16.7054	5.0776	0.0606	1.7042	0.0196	1.7238	0.4905	0.0187	0.5092		6,618.5242	6,618.5242	0.4460		6,629.6745
Worker	1.4281	0.6904	9.8862	0.0435	6.7772	0.0259	6.8030	1.7976	0.0238	1.8214		4,344.7124	4,344.7124	0.0594		4,346.1976
Total	**1.8559**	**17.3958**	**14.9638**	**0.1041**	**8.4814**	**0.0454**	**8.5268**	**2.2881**	**0.0425**	**2.3306**		**10,963.2365**	**10,963.2365**	**0.5054**		**10,975.8721**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2032

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	0.4277	16.7054	5.0776	0.0606	1.7042	0.0196	1.7238	0.4905	0.0187	0.5092		6,618.5242	6,618.5242	0.4460		6,629.6745
Worker	1.4281	0.6904	9.8862	0.0435	6.7772	0.0259	6.8030	1.7976	0.0238	1.8214		4,344.7124	4,344.7124	0.0594		4,346.1976
Total	**1.8559**	**17.3958**	**14.9638**	**0.1041**	**8.4814**	**0.0454**	**8.5268**	**2.2881**	**0.0425**	**2.3306**		**10,963.2365**	**10,963.2365**	**0.5054**		**10,975.8721**

3.5 Building Construction - 2033

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2033

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	0.4224	16.5310	5.0568	0.0604	1.7043	0.0190	1.7233	0.4905	0.0182	0.5086		6,606.6322	6,606.6322	0.4461		6,617.7837
Worker	1.3225	0.6368	9.3389	0.0427	6.7772	0.0242	6.8013	1.7976	0.0222	1.8198		4,267.1020	4,267.1020	0.0546		4,268.4669
Total	**1.7449**	**17.1678**	**14.3957**	**0.1031**	**8.4814**	**0.0432**	**8.5246**	**2.2881**	**0.0404**	**2.3285**		**10,873.7341**	**10,873.7341**	**0.5007**		**10,886.2505**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2033

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	0.4224	16.5310	5.0568	0.0604	1.7043	0.0190	1.7233	0.4905	0.0182	0.5086		6,606.6322	6,606.6322	0.4461		6,617.7837
Worker	1.3225	0.6368	9.3389	0.0427	6.7772	0.0242	6.8013	1.7976	0.0222	1.8198		4,267.1020	4,267.1020	0.0546		4,268.4669
Total	**1.7449**	**17.1678**	**14.3957**	**0.1031**	**8.4814**	**0.0432**	**8.5246**	**2.2881**	**0.0404**	**2.3285**		**10,873.7341**	**10,873.7341**	**0.5007**		**10,886.2505**

3.5 Building Construction - 2034

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2034

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	0.4176	16.3843	5.0361	0.0603	1.7043	0.0185	1.7228	0.4905	0.0177	0.5082		6,597.4023	6,597.4023	0.4461		6,608.5541
Worker	1.2332	0.5921	8.8256	0.0421	6.7772	0.0226	6.7998	1.7976	0.0208	1.8184		4,199.8366	4,199.8366	0.0501		4,201.0897
Total	**1.6508**	**16.9764**	**13.8617**	**0.1023**	**8.4815**	**0.0411**	**8.5226**	**2.2881**	**0.0385**	**2.3266**		**10,797.2389**	**10,797.2389**	**0.4962**		**10,809.6438**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2034

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	0.4176	16.3843	5.0361	0.0603	1.7043	0.0185	1.7228	0.4905	0.0177	0.5082		6,597.4023	6,597.4023	0.4461		6,608.5541
Worker	1.2332	0.5921	8.8256	0.0421	6.7772	0.0226	6.7998	1.7976	0.0208	1.8184		4,199.8366	4,199.8366	0.0501		4,201.0897
Total	**1.6508**	**16.9764**	**13.8617**	**0.1023**	**8.4815**	**0.0411**	**8.5226**	**2.2881**	**0.0385**	**2.3266**		**10,797.2389**	**10,797.2389**	**0.4962**		**10,809.6438**

3.6 Paving - 2034

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

3.6 Paving - 2034

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	0.0224	0.0108	0.1605	7.6000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.3607	76.3607	9.1000e-004		76.3835
Total	**0.0224**	**0.0108**	**0.1605**	**7.6000e-004**	**0.1232**	**4.1000e-004**	**0.1236**	**0.0327**	**3.8000e-004**	**0.0331**		**76.3607**	**76.3607**	**9.1000e-004**		**76.3835**

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

3.6 Paving - 2034

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	0.0224	0.0108	0.1605	7.6000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.3607	76.3607	9.1000e-004		76.3835
Total	**0.0224**	**0.0108**	**0.1605**	**7.6000e-004**	**0.1232**	**4.1000e-004**	**0.1236**	**0.0327**	**3.8000e-004**	**0.0331**		**76.3607**	**76.3607**	**9.1000e-004**		**76.3835**

3.6 Paving - 2035

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0727**

3.6 Paving - 2035

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	0.0211	0.0101	0.1527	7.5000e-004	0.1232	3.9000e-004	0.1236	0.0327	3.5000e-004	0.0330		75.3193	75.3193	8.4000e-004		75.3404
Total	**0.0211**	**0.0101**	**0.1527**	**7.5000e-004**	**0.1232**	**3.9000e-004**	**0.1236**	**0.0327**	**3.5000e-004**	**0.0330**		**75.3193**	**75.3193**	**8.4000e-004**		**75.3404**

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0726**

3.6 Paving - 2035

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	0.0211	0.0101	0.1527	7.5000e-004	0.1232	3.9000e-004	0.1236	0.0327	3.5000e-004	0.0330		75.3193	75.3193	8.4000e-004		75.3404
Total	**0.0211**	**0.0101**	**0.1527**	**7.5000e-004**	**0.1232**	**3.9000e-004**	**0.1236**	**0.0327**	**3.5000e-004**	**0.0330**		**75.3193**	**75.3193**	**8.4000e-004**		**75.3404**

3.7 Architectural Coating - 2035

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	243.9853					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	**244.1032**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

3.7 Architectural Coating - 2035

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	0.2317	0.1115	1.6791	8.3000e-003	1.3554	4.2400e-003	1.3597	0.3595	3.9000e-003	0.3634		828.5119	828.5119	9.2800e-003		828.7440
Total	**0.2317**	**0.1115**	**1.6791**	**8.3000e-003**	**1.3554**	**4.2400e-003**	**1.3597**	**0.3595**	**3.9000e-003**	**0.3634**		**828.5119**	**828.5119**	**9.2800e-003**		**828.7440**

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	243.9853					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	**244.1032**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.7081**

3.7 Architectural Coating - 2035

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	0.2317	0.1115	1.6791	8.3000e-003	1.3554	4.2400e-003	1.3597	0.3595	3.9000e-003	0.3634		828.5119	828.5119	9.2800e-003		828.7440
Total	**0.2317**	**0.1115**	**1.6791**	**8.3000e-003**	**1.3554**	**4.2400e-003**	**1.3597**	**0.3595**	**3.9000e-003**	**0.3634**		**828.5119**	**828.5119**	**9.2800e-003**		**828.7440**

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	13.8297	59.9246	151.9175	0.7262	91.4006	0.3776	91.7782	24.4086	0.3508	24.7594		74,281.1735	74,281.1735	2.5765		74,345.5860
Unmitigated	13.8297	59.9246	151.9175	0.7262	91.4006	0.3776	91.7782	24.4086	0.3508	24.7594		74,281.1735	74,281.1735	2.5765		74,345.5860

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,359.36	1,359.36	1359.36	3,825,307	3,825,307
City Park	700.00	700.00	700.00	1,494,397	1,494,397
Junior High School	1,704.00	1,704.00	1704.00	3,830,923	3,830,923
Apartments High Rise	1,288.32	1,288.32	1288.32	3,625,397	3,625,397
Regional Shopping Center	7,399.76	7,399.76	7399.76	12,974,026	12,974,026
Single Family Housing	6,192.64	6,192.64	6192.64	17,426,398	17,426,398
Total	18,644.08	18,644.08	18,644.08	43,176,448	43,176,448

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
Apartments Mid Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Apartments High Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Apartments Mid Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
City Park	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Junior High School	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Regional Shopping Center	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Single Family Housing	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive 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	0.7100	6.1027	2.8417	0.0387		0.4905	0.4905		0.4905	0.4905		7,745.4184	7,745.4184	0.1485	0.1420	7,791.4455
NaturalGas Unmitigated	0.7100	6.1027	2.8417	0.0387		0.4905	0.4905		0.4905	0.4905		7,745.4184	7,745.4184	0.1485	0.1420	7,791.4455

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					
Apartments High Rise	4165.87	0.0449	0.3839	0.1634	2.4500e-003		0.0310	0.0310		0.0310	0.0310		490.1026	490.1026	9.3900e-003	8.9900e-003	493.0150
Apartments Mid Rise	3408.44	0.0368	0.3141	0.1337	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.9930	400.9930	7.6900e-003	7.3500e-003	403.3759
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	4751.42	0.0512	0.4658	0.3913	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.9911	558.9911	0.0107	0.0103	562.3130
Regional Shopping Center	1272.79	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7397	149.7397	2.8700e-003	2.7500e-003	150.6295
Single Family Housing	52237.5	0.5634	4.8141	2.0485	0.0307		0.3892	0.3892		0.3892	0.3892		6,145.5920	6,145.5920	0.1178	0.1127	6,182.1121
Total		**0.7100**	**6.1027**	**2.8417**	**0.0387**		**0.4905**	**0.4905**		**0.4905**	**0.4905**		**7,745.4184**	**7,745.4184**	**0.1485**	**0.1420**	**7,791.4455**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	4.16587	0.0449	0.3839	0.1634	2.4500e-003		0.0310	0.0310		0.0310	0.0310		490.1026	490.1026	9.3900e-003	8.9900e-003	493.0150
Apartments Mid Rise	3.40844	0.0368	0.3141	0.1337	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.9930	400.9930	7.6900e-003	7.3500e-003	403.3759
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	4.75142	0.0512	0.4658	0.3913	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.9911	558.9911	0.0107	0.0103	562.3130
Regional Shopping Center	1.27279	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7397	149.7397	2.8700e-003	2.7500e-003	150.6295
Single Family Housing	52.2375	0.5634	4.8141	2.0485	0.0307		0.3892	0.3892		0.3892	0.3892		6,145.5920	6,145.5920	0.1178	0.1127	6,182.1121
Total		**0.7100**	**6.1027**	**2.8417**	**0.0387**		**0.4905**	**0.4905**		**0.4905**	**0.4905**		**7,745.4184**	**7,745.4184**	**0.1485**	**0.1420**	**7,791.4455**

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	55.4705	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469	0.0000	145.2081	145.2081	0.1386	0.0000	148.6728
Unmitigated	55.4705	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469	0.0000	145.2081	145.2081	0.1386	0.0000	148.6728

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	14.7060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	38.3560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4085	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469		145.2081	145.2081	0.1386		148.6728
Total	**55.4705**	**0.9266**	**80.3407**	**4.2600e-003**		**0.4469**	**0.4469**		**0.4469**	**0.4469**	**0.0000**	**145.2081**	**145.2081**	**0.1386**	**0.0000**	**148.6728**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.7060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	38.3560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4085	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469		145.2081	145.2081	0.1386		148.6728
Total	**55.4705**	**0.9266**	**80.3407**	**4.2600e-003**		**0.4469**	**0.4469**		**0.4469**	**0.4469**	**0.0000**	**145.2081**	**145.2081**	**0.1386**	**0.0000**	**148.6728**

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

Existing Blosser SE Specific Plan

South Central Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior High School	800.00	Student	24.00	94,049.35	0
City Park	14.00	Acre	14.00	609,840.00	0
Apartments Mid Rise	144.00	Dwelling Unit	12.00	144,000.00	412
Single Family Housing	656.00	Dwelling Unit	82.00	1,180,800.00	1876
Regional Shopping Center	196.02	1000sqft	15.00	196,020.00	0
Apartments High Rise	176.00	Dwelling Unit	8.00	176,000.00	503

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.9	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - LU acreages based on Specific Plan and unit amounts equivalent to Traffic Study.

Demolition -

Vehicle Trips - Trip rates based on Traffic Study (ATE 2019).

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	2.16	24.00
tblLandUse	LotAcreage	3.79	12.00
tblLandUse	LotAcreage	212.99	82.00
tblLandUse	LotAcreage	4.50	15.00
tblLandUse	LotAcreage	2.84	8.00
tblVehicleTrips	ST_TR	4.98	7.32
tblVehicleTrips	ST_TR	6.39	9.44
tblVehicleTrips	ST_TR	22.75	50.00
tblVehicleTrips	ST_TR	0.00	2.13
tblVehicleTrips	ST_TR	49.97	37.75
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	3.65	7.32
tblVehicleTrips	SU_TR	5.86	9.44
tblVehicleTrips	SU_TR	16.74	50.00
tblVehicleTrips	SU_TR	0.00	2.13
tblVehicleTrips	SU_TR	25.24	37.75
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	4.20	7.32
tblVehicleTrips	WD_TR	6.65	9.44
tblVehicleTrips	WD_TR	1.89	50.00
tblVehicleTrips	WD_TR	1.62	2.13
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1531	42.4718	22.1899	0.0400	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,869.2260	3,869.2260	1.1959	0.0000	3,895.7815
2021	4.2709	46.4540	31.3995	0.0635	18.2141	2.0454	20.2596	9.9699	1.8818	11.8517	0.0000	6,150.5067	6,150.5067	1.9468	0.0000	6,199.1776
2022	5.5773	41.8727	43.6613	0.1477	8.8376	1.6359	10.4736	3.6401	1.5051	5.1452	0.0000	15,112.1059	15,112.1059	1.9478	0.0000	15,143.7131
2023	5.0752	35.3540	41.0858	0.1441	8.4807	0.7724	9.2531	2.2878	0.7265	3.0143	0.0000	14,761.0904	14,761.0904	1.2037	0.0000	14,791.1816
2024	4.7906	33.8687	39.3454	0.1417	8.4808	0.6835	9.1642	2.2879	0.6425	2.9304	0.0000	14,524.3056	14,524.3056	1.1883	0.0000	14,554.0124
2025	4.5253	32.3677	37.7771	0.1391	8.4809	0.5953	9.0762	2.2879	0.5596	2.8475	0.0000	14,274.6463	14,274.6463	1.1746	0.0000	14,304.0108
2026	4.3828	31.8915	36.4359	0.1367	8.4810	0.5925	9.0735	2.2879	0.5569	2.8449	0.0000	14,044.2296	14,044.2296	1.1646	0.0000	14,073.3449
2027	4.2455	31.4469	35.3074	0.1347	8.4811	0.5891	9.0702	2.2880	0.5538	2.8418	0.0000	13,846.0143	13,846.0143	1.1558	0.0000	13,874.9101
2028	4.1040	31.0685	34.3459	0.1329	8.4812	0.5854	9.0666	2.2880	0.5503	2.8383	0.0000	13,673.1666	13,673.1666	1.1480	0.0000	13,701.8676
2029	3.9504	30.7060	33.4267	0.1313	8.4812	0.5819	9.0631	2.2880	0.5470	2.8351	0.0000	13,518.5973	13,518.5973	1.1407	0.0000	13,547.1140
2030	3.7413	25.8510	32.6896	0.1339	8.4813	0.1993	8.6806	2.2881	0.1960	2.4840	0.0000	13,724.8108	13,724.8108	0.6490	0.0000	13,741.0367
2031	3.5749	25.6043	31.9457	0.1329	8.4814	0.1967	8.6780	2.2881	0.1935	2.4816	0.0000	13,624.7465	13,624.7465	0.6429	0.0000	13,640.8192
2032	3.4259	25.3367	31.2704	0.1318	8.4814	0.1940	8.6754	2.2881	0.1911	2.4792	0.0000	13,524.1653	13,524.1653	0.6371	0.0000	13,540.0922
2033	3.2990	25.0995	30.6972	0.1309	8.4814	0.1917	8.6731	2.2881	0.1889	2.4770	0.0000	13,437.5914	13,437.5914	0.6322	0.0000	13,453.3960
2034	3.1920	24.8999	30.1588	0.1301	8.4815	0.3310	8.6711	2.2881	0.3310	2.4751	0.0000	13,363.4383	13,363.4383	0.6276	0.0000	13,379.1290
2035	244.3745	4.8878	15.9670	0.0288	1.3554	0.1878	1.3696	0.3595	0.1878	0.3733	0.0000	2,728.6497	2,728.6497	0.1030	0.0000	2,731.2256
Maximum	**244.3745**	**46.4540**	**43.6613**	**0.1477**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**15,112.1059**	**15,112.1059**	**1.9478**	**0.0000**	**15,143.7131**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1531	42.4718	22.1899	0.0400	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,869.2260	3,869.2260	1.1959	0.0000	3,895.7814
2021	4.2709	46.4540	31.3995	0.0635	18.2141	2.0454	20.2596	9.9699	1.8818	11.8517	0.0000	6,150.5067	6,150.5067	1.9468	0.0000	6,199.1776
2022	5.5773	41.8727	43.6613	0.1477	8.8376	1.6359	10.4736	3.6401	1.5051	5.1452	0.0000	15,112.1059	15,112.1059	1.9478	0.0000	15,143.7131
2023	5.0752	35.3540	41.0858	0.1441	8.4807	0.7724	9.2531	2.2878	0.7265	3.0143	0.0000	14,761.0904	14,761.0904	1.2037	0.0000	14,791.1816
2024	4.7906	33.8687	39.3454	0.1417	8.4808	0.6835	9.1642	2.2879	0.6425	2.9304	0.0000	14,524.3056	14,524.3056	1.1883	0.0000	14,554.0124
2025	4.5253	32.3677	37.7771	0.1391	8.4809	0.5953	9.0762	2.2879	0.5596	2.8475	0.0000	14,274.6463	14,274.6463	1.1746	0.0000	14,304.0108
2026	4.3828	31.8915	36.4359	0.1367	8.4810	0.5925	9.0735	2.2879	0.5569	2.8449	0.0000	14,044.2296	14,044.2296	1.1646	0.0000	14,073.3449
2027	4.2455	31.4469	35.3074	0.1347	8.4811	0.5891	9.0702	2.2880	0.5538	2.8418	0.0000	13,846.0143	13,846.0143	1.1558	0.0000	13,874.9101
2028	4.1040	31.0685	34.3459	0.1329	8.4812	0.5854	9.0666	2.2880	0.5503	2.8383	0.0000	13,673.1666	13,673.1666	1.1480	0.0000	13,701.8676
2029	3.9504	30.7060	33.4267	0.1313	8.4812	0.5819	9.0631	2.2880	0.5470	2.8351	0.0000	13,518.5973	13,518.5973	1.1407	0.0000	13,547.1140
2030	3.7413	25.8510	32.6896	0.1339	8.4813	0.1993	8.6806	2.2881	0.1960	2.4840	0.0000	13,724.8108	13,724.8108	0.6490	0.0000	13,741.0367
2031	3.5749	25.6043	31.9457	0.1329	8.4814	0.1967	8.6780	2.2881	0.1935	2.4816	0.0000	13,624.7465	13,624.7465	0.6429	0.0000	13,640.8192
2032	3.4259	25.3367	31.2704	0.1318	8.4814	0.1940	8.6754	2.2881	0.1911	2.4792	0.0000	13,524.1653	13,524.1653	0.6371	0.0000	13,540.0922
2033	3.2990	25.0995	30.6972	0.1309	8.4814	0.1917	8.6731	2.2881	0.1889	2.4770	0.0000	13,437.5914	13,437.5914	0.6322	0.0000	13,453.3960
2034	3.1920	24.8999	30.1588	0.1301	8.4815	0.3310	8.6711	2.2881	0.3310	2.4751	0.0000	13,363.4383	13,363.4383	0.6276	0.0000	13,379.1290
2035	244.3745	4.8878	15.9670	0.0288	1.3554	0.1878	1.3696	0.3595	0.1878	0.3733	0.0000	2,728.6497	2,728.6497	0.1030	0.0000	2,731.2256
Maximum	**244.3745**	**46.4540**	**43.6613**	**0.1477**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**15,112.1059**	**15,112.1059**	**1.9478**	**0.0000**	**15,143.7131**

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Winter

	ROG	NOx	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

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	55.4705	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469	0.0000	145.2081	145.2081	0.1386	0.0000	148.6728
Energy	0.7100	6.1027	2.8417	0.0387		0.4905	0.4905		0.4905	0.4905		7,745.4184	7,745.4184	0.1485	0.1420	7,791.4455
Mobile	13.0623	61.0367	154.6593	0.7004	91.4006	0.3786	91.7792	24.4086	0.3518	24.7603		71,640.8713	71,640.8713	2.6386		71,706.8363
Total	**69.2428**	**68.0660**	**237.8417**	**0.7434**	**91.4006**	**1.3160**	**92.7167**	**24.4086**	**1.2892**	**25.6978**	**0.0000**	**79,531.4977**	**79,531.4977**	**2.9256**	**0.1420**	**79,646.9546**

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	55.4705	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469	0.0000	145.2081	145.2081	0.1386	0.0000	148.6728
Energy	0.7100	6.1027	2.8417	0.0387		0.4905	0.4905		0.4905	0.4905		7,745.4184	7,745.4184	0.1485	0.1420	7,791.4455
Mobile	13.0623	61.0367	154.6593	0.7004	91.4006	0.3786	91.7792	24.4086	0.3518	24.7603		71,640.8713	71,640.8713	2.6386		71,706.8363
Total	**69.2428**	**68.0660**	**237.8417**	**0.7434**	**91.4006**	**1.3160**	**92.7167**	**24.4086**	**1.2892**	**25.6978**	**0.0000**	**79,531.4977**	**79,531.4977**	**2.9256**	**0.1420**	**79,646.9546**

	ROG	NOx	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	1/1/2020	10/6/2020	5	200	
2	Site Preparation	Site Preparation	10/7/2020	3/23/2021	5	120	
3	Grading	Grading	3/24/2021	5/31/2022	5	310	
4	Building Construction	Building Construction	6/1/2022	4/18/2034	5	3100	
5	Paving	Paving	4/19/2034	2/20/2035	5	220	
6	Architectural Coating	Architectural Coating	2/21/2035	12/25/2035	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 0

Residential Indoor: 3,039,120; Residential Outdoor: 1,013,040; Non-Residential Indoor: 435,104; Non-Residential Outdoor: 145,035; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	25.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	825.00	252.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	165.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0277	0.0000	0.0277	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0277**	**1.6587**	**1.6864**	**4.1900e-003**	**1.5419**	**1.5460**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-003	0.0364	9.1300e-003	9.0000e-005	2.1800e-003	1.6000e-004	2.3300e-003	6.0000e-004	1.5000e-004	7.4000e-004		10.4013	10.4013	9.0000e-004		10.4238
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	0.0639	0.0454	0.4276	1.1200e-003	0.1232	8.3000e-004	0.1241	0.0327	7.6000e-004	0.0335		111.1198	111.1198	3.3700e-003		111.2040
Total	**0.0649**	**0.0818**	**0.4367**	**1.2100e-003**	**0.1254**	**9.9000e-004**	**0.1264**	**0.0333**	**9.1000e-004**	**0.0342**		**121.5211**	**121.5211**	**4.2700e-003**		**121.6278**

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					0.0277	0.0000	0.0277	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0277**	**1.6587**	**1.6864**	**4.1900e-003**	**1.5419**	**1.5460**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-003	0.0364	9.1300e-003	9.0000e-005	2.1800e-003	1.6000e-004	2.3300e-003	6.0000e-004	1.5000e-004	7.4000e-004		10.4013	10.4013	9.0000e-004		10.4238
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	0.0639	0.0454	0.4276	1.1200e-003	0.1232	8.3000e-004	0.1241	0.0327	7.6000e-004	0.0335		111.1198	111.1198	3.3700e-003		111.2040
Total	**0.0649**	**0.0818**	**0.4367**	**1.2100e-003**	**0.1254**	**9.9000e-004**	**0.1264**	**0.0333**	**9.1000e-004**	**0.0342**		**121.5211**	**121.5211**	**4.2700e-003**		**121.6278**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.5131	1.3400e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		133.3437	133.3437	4.0400e-003		133.4448
Total	**0.0767**	**0.0544**	**0.5131**	**1.3400e-003**	**0.1479**	**9.9000e-004**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**133.3437**	**133.3437**	**4.0400e-003**		**133.4448**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.5131	1.3400e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		133.3437	133.3437	4.0400e-003		133.4448
Total	**0.0767**	**0.0544**	**0.5131**	**1.3400e-003**	**0.1479**	**9.9000e-004**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**133.3437**	**133.3437**	**4.0400e-003**		**133.4448**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0717	0.0488	0.4690	1.3000e-003	0.1479	9.7000e-004	0.1488	0.0392	8.9000e-004	0.0401		129.1170	129.1170	3.6300e-003		129.2078
Total	**0.0717**	**0.0488**	**0.4690**	**1.3000e-003**	**0.1479**	**9.7000e-004**	**0.1488**	**0.0392**	**8.9000e-004**	**0.0401**		**129.1170**	**129.1170**	**3.6300e-003**		**129.2078**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0717	0.0488	0.4690	1.3000e-003	0.1479	9.7000e-004	0.1488	0.0392	8.9000e-004	0.0401		129.1170	129.1170	3.6300e-003		129.2078
Total	**0.0717**	**0.0488**	**0.4690**	**1.3000e-003**	**0.1479**	**9.7000e-004**	**0.1488**	**0.0392**	**8.9000e-004**	**0.0401**		**129.1170**	**129.1170**	**3.6300e-003**		**129.2078**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0797	0.0542	0.5211	1.4400e-003	0.1643	1.0800e-003	0.1654	0.0436	9.9000e-004	0.0446		143.4633	143.4633	4.0400e-003		143.5642
Total	**0.0797**	**0.0542**	**0.5211**	**1.4400e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**9.9000e-004**	**0.0446**		**143.4633**	**143.4633**	**4.0400e-003**		**143.5642**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0797	0.0542	0.5211	1.4400e-003	0.1643	1.0800e-003	0.1654	0.0436	9.9000e-004	0.0446		143.4633	143.4633	4.0400e-003		143.5642
Total	**0.0797**	**0.0542**	**0.5211**	**1.4400e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**9.9000e-004**	**0.0446**		**143.4633**	**143.4633**	**4.0400e-003**		**143.5642**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

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	0.0749	0.0487	0.4784	1.3900e-003	0.1643	1.0500e-003	0.1653	0.0436	9.7000e-004	0.0446		138.2970	138.2970	3.6200e-003		138.3875
Total	**0.0749**	**0.0487**	**0.4784**	**1.3900e-003**	**0.1643**	**1.0500e-003**	**0.1653**	**0.0436**	**9.7000e-004**	**0.0446**		**138.2970**	**138.2970**	**3.6200e-003**		**138.3875**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

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	0.0749	0.0487	0.4784	1.3900e-003	0.1643	1.0500e-003	0.1653	0.0436	9.7000e-004	0.0446		138.2970	138.2970	3.6200e-003		138.3875
Total	**0.0749**	**0.0487**	**0.4784**	**1.3900e-003**	**0.1643**	**1.0500e-003**	**0.1653**	**0.0436**	**9.7000e-004**	**0.0446**		**138.2970**	**138.2970**	**3.6200e-003**		**138.3875**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

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	0.7799	24.2470	7.5633	0.0635	1.7034	0.0705	1.7739	0.4902	0.0675	0.5576		6,853.0230	6,853.0230	0.5030		6,865.5968
Worker	3.0912	2.0101	19.7346	0.0573	6.7772	0.0433	6.8204	1.7976	0.0399	1.8375		5,704.7493	5,704.7493	0.1494		5,708.4842
Total	**3.8711**	**26.2571**	**27.2979**	**0.1208**	**8.4805**	**0.1138**	**8.5943**	**2.2878**	**0.1073**	**2.3951**		**12,557.7723**	**12,557.7723**	**0.6524**		**12,574.0809**

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

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	0.7799	24.2470	7.5633	0.0635	1.7034	0.0705	1.7739	0.4902	0.0675	0.5576		6,853.0230	6,853.0230	0.5030		6,865.5968
Worker	3.0912	2.0101	19.7346	0.0573	6.7772	0.0433	6.8204	1.7976	0.0399	1.8375		5,704.7493	5,704.7493	0.1494		5,708.4842
Total	**3.8711**	**26.2571**	**27.2979**	**0.1208**	**8.4805**	**0.1138**	**8.5943**	**2.2878**	**0.1073**	**2.3951**		**12,557.7723**	**12,557.7723**	**0.6524**		**12,574.0809**

3.5 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

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	0.5909	19.1602	6.7437	0.0621	1.7035	0.0305	1.7340	0.4902	0.0292	0.5194		6,715.8184	6,715.8184	0.4620		6,727.3695
Worker	2.9115	1.8089	18.0981	0.0551	6.7772	0.0422	6.8194	1.7976	0.0389	1.8365		5,490.0621	5,490.0621	0.1338		5,493.4061
Total	**3.5024**	**20.9691**	**24.8418**	**0.1172**	**8.4807**	**0.0727**	**8.5534**	**2.2878**	**0.0680**	**2.3559**		**12,205.8805**	**12,205.8805**	**0.5958**		**12,220.7755**

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

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	0.5909	19.1602	6.7437	0.0621	1.7035	0.0305	1.7340	0.4902	0.0292	0.5194		6,715.8184	6,715.8184	0.4620		6,727.3695
Worker	2.9115	1.8089	18.0981	0.0551	6.7772	0.0422	6.8194	1.7976	0.0389	1.8365		5,490.0621	5,490.0621	0.1338		5,493.4061
Total	**3.5024**	**20.9691**	**24.8418**	**0.1172**	**8.4807**	**0.0727**	**8.5534**	**2.2878**	**0.0680**	**2.3559**		**12,205.8805**	**12,205.8805**	**0.5958**		**12,220.7755**

3.5 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

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	0.5649	18.7899	6.4500	0.0617	1.7036	0.0288	1.7324	0.4903	0.0275	0.5178		6,680.1195	6,680.1195	0.4632		6,691.6995
Worker	2.7541	1.6350	16.7286	0.0531	6.7772	0.0414	6.8186	1.7976	0.0381	1.8357		5,288.4872	5,288.4872	0.1207		5,291.5053
Total	**3.3191**	**20.4249**	**23.1785**	**0.1147**	**8.4808**	**0.0701**	**8.5509**	**2.2879**	**0.0656**	**2.3535**		**11,968.6067**	**11,968.6067**	**0.5839**		**11,983.2048**

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

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	0.5649	18.7899	6.4500	0.0617	1.7036	0.0288	1.7324	0.4903	0.0275	0.5178		6,680.1195	6,680.1195	0.4632		6,691.6995
Worker	2.7541	1.6350	16.7286	0.0531	6.7772	0.0414	6.8186	1.7976	0.0381	1.8357		5,288.4872	5,288.4872	0.1207		5,291.5053
Total	**3.3191**	**20.4249**	**23.1785**	**0.1147**	**8.4808**	**0.0701**	**8.5509**	**2.2879**	**0.0656**	**2.3535**		**11,968.6067**	**11,968.6067**	**0.5839**		**11,983.2048**

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

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	0.5421	18.4136	6.2335	0.0612	1.7037	0.0272	1.7309	0.4903	0.0260	0.5163		6,640.9039	6,640.9039	0.4645		6,652.5159
Worker	2.6157	1.4844	15.4590	0.0509	6.7772	0.0406	6.8178	1.7976	0.0374	1.8350		5,077.2680	5,077.2680	0.1092		5,079.9968
Total	**3.1579**	**19.8980**	**21.6925**	**0.1121**	**8.4809**	**0.0678**	**8.5487**	**2.2879**	**0.0634**	**2.3513**		**11,718.1719**	**11,718.1719**	**0.5736**		**11,732.5127**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

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	0.5421	18.4136	6.2335	0.0612	1.7037	0.0272	1.7309	0.4903	0.0260	0.5163		6,640.9039	6,640.9039	0.4645		6,652.5159
Worker	2.6157	1.4844	15.4590	0.0509	6.7772	0.0406	6.8178	1.7976	0.0374	1.8350		5,077.2680	5,077.2680	0.1092		5,079.9968
Total	**3.1579**	**19.8980**	**21.6925**	**0.1121**	**8.4809**	**0.0678**	**8.5487**	**2.2879**	**0.0634**	**2.3513**		**11,718.1719**	**11,718.1719**	**0.5736**		**11,732.5127**

3.5 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

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	0.5219	18.0671	6.0533	0.0608	1.7038	0.0258	1.7296	0.4903	0.0247	0.5150		6,604.4285	6,604.4285	0.4651		6,616.0552
Worker	2.4935	1.3547	14.2980	0.0490	6.7772	0.0391	6.8163	1.7976	0.0360	1.8336		4,883.3267	4,883.3267	0.0986		4,885.7916
Total	**3.0154**	**19.4218**	**20.3513**	**0.1098**	**8.4810**	**0.0649**	**8.5459**	**2.2879**	**0.0607**	**2.3486**		**11,487.7553**	**11,487.7553**	**0.5637**		**11,501.8468**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

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	0.5219	18.0671	6.0533	0.0608	1.7038	0.0258	1.7296	0.4903	0.0247	0.5150		6,604.4285	6,604.4285	0.4651		6,616.0552
Worker	2.4935	1.3547	14.2980	0.0490	6.7772	0.0391	6.8163	1.7976	0.0360	1.8336		4,883.3267	4,883.3267	0.0986		4,885.7916
Total	**3.0154**	**19.4218**	**20.3513**	**0.1098**	**8.4810**	**0.0649**	**8.5459**	**2.2879**	**0.0607**	**2.3486**		**11,487.7553**	**11,487.7553**	**0.5637**		**11,501.8468**

3.5 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

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	0.5046	17.7381	5.9034	0.0604	1.7039	0.0246	1.7285	0.4904	0.0235	0.5139		6,570.1187	6,570.1187	0.4652		6,581.7485
Worker	2.3735	1.2390	13.3193	0.0473	6.7772	0.0370	6.8142	1.7976	0.0340	1.8317		4,719.4213	4,719.4213	0.0897		4,721.6635
Total	**2.8781**	**18.9772**	**19.2227**	**0.1077**	**8.4811**	**0.0616**	**8.5427**	**2.2880**	**0.0576**	**2.3455**		**11,289.5399**	**11,289.5399**	**0.5549**		**11,303.4120**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

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	0.5046	17.7381	5.9034	0.0604	1.7039	0.0246	1.7285	0.4904	0.0235	0.5139		6,570.1187	6,570.1187	0.4652		6,581.7485
Worker	2.3735	1.2390	13.3193	0.0473	6.7772	0.0370	6.8142	1.7976	0.0340	1.8317		4,719.4213	4,719.4213	0.0897		4,721.6635
Total	**2.8781**	**18.9772**	**19.2227**	**0.1077**	**8.4811**	**0.0616**	**8.5427**	**2.2880**	**0.0576**	**2.3455**		**11,289.5399**	**11,289.5399**	**0.5549**		**11,303.4120**

3.5 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2028

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	0.4900	17.4621	5.7945	0.0601	1.7040	0.0235	1.7275	0.4904	0.0225	0.5129		6,541.5756	6,541.5756	0.4650		6,553.2007
Worker	2.2466	1.1367	12.4668	0.0459	6.7772	0.0343	6.8115	1.7976	0.0316	1.8292		4,575.1167	4,575.1167	0.0821		4,577.1688
Total	**2.7366**	**18.5989**	**18.2613**	**0.1059**	**8.4812**	**0.0578**	**8.5390**	**2.2880**	**0.0541**	**2.3421**		**11,116.6923**	**11,116.6923**	**0.5471**		**11,130.3695**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2028

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	0.4900	17.4621	5.7945	0.0601	1.7040	0.0235	1.7275	0.4904	0.0225	0.5129		6,541.5756	6,541.5756	0.4650		6,553.2007
Worker	2.2466	1.1367	12.4668	0.0459	6.7772	0.0343	6.8115	1.7976	0.0316	1.8292		4,575.1167	4,575.1167	0.0821		4,577.1688
Total	**2.7366**	**18.5989**	**18.2613**	**0.1059**	**8.4812**	**0.0578**	**8.5390**	**2.2880**	**0.0541**	**2.3421**		**11,116.6923**	**11,116.6923**	**0.5471**		**11,130.3695**

3.5 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2029

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	0.4769	17.1954	5.6974	0.0598	1.7041	0.0225	1.7265	0.4904	0.0215	0.5119		6,514.3264	6,514.3264	0.4649		6,525.9497
Worker	2.1061	1.0409	11.6447	0.0446	6.7772	0.0319	6.8090	1.7976	0.0293	1.8269		4,447.7966	4,447.7966	0.0748		4,449.6662
Total	**2.5830**	**18.2364**	**17.3421**	**0.1043**	**8.4812**	**0.0543**	**8.5355**	**2.2880**	**0.0508**	**2.3388**		**10,962.1230**	**10,962.1230**	**0.5397**		**10,975.6159**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2029

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	0.4769	17.1954	5.6974	0.0598	1.7041	0.0225	1.7265	0.4904	0.0215	0.5119		6,514.3264	6,514.3264	0.4649		6,525.9497
Worker	2.1061	1.0409	11.6447	0.0446	6.7772	0.0319	6.8090	1.7976	0.0293	1.8269		4,447.7966	4,447.7966	0.0748		4,449.6662
Total	**2.5830**	**18.2364**	**17.3421**	**0.1043**	**8.4812**	**0.0543**	**8.5355**	**2.2880**	**0.0508**	**2.3388**		**10,962.1230**	**10,962.1230**	**0.5397**		**10,975.6159**

3.5 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2030

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	0.4661	16.9627	5.6281	0.0595	1.7041	0.0215	1.7256	0.4904	0.0206	0.5110		6,491.5526	6,491.5526	0.4645		6,503.1655
Worker	1.9661	0.9537	10.9046	0.0435	6.7772	0.0296	6.8068	1.7976	0.0273	1.8249		4,335.7115	4,335.7115	0.0683		4,337.4183
Total	**2.4322**	**17.9164**	**16.5326**	**0.1030**	**8.4813**	**0.0511**	**8.5324**	**2.2881**	**0.0478**	**2.3359**		**10,827.2640**	**10,827.2640**	**0.5328**		**10,840.5838**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2030

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	0.4661	16.9627	5.6281	0.0595	1.7041	0.0215	1.7256	0.4904	0.0206	0.5110		6,491.5526	6,491.5526	0.4645		6,503.1655
Worker	1.9661	0.9537	10.9046	0.0435	6.7772	0.0296	6.8068	1.7976	0.0273	1.8249		4,335.7115	4,335.7115	0.0683		4,337.4183
Total	**2.4322**	**17.9164**	**16.5326**	**0.1030**	**8.4813**	**0.0511**	**8.5324**	**2.2881**	**0.0478**	**2.3359**		**10,827.2640**	**10,827.2640**	**0.5328**		**10,840.5838**

3.5 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2031

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	0.4592	16.8006	5.5884	0.0593	1.7042	0.0208	1.7250	0.4905	0.0199	0.5103		6,479.3321	6,479.3321	0.4644		6,490.9421
Worker	1.8065	0.8692	10.2003	0.0426	6.7772	0.0277	6.8049	1.7976	0.0255	1.8231		4,247.8677	4,247.8677	0.0623		4,249.4242
Total	**2.2658**	**17.6697**	**15.7887**	**0.1019**	**8.4814**	**0.0485**	**8.5299**	**2.2881**	**0.0454**	**2.3335**		**10,727.1998**	**10,727.1998**	**0.5267**		**10,740.3664**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2031

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	0.4592	16.8006	5.5884	0.0593	1.7042	0.0208	1.7250	0.4905	0.0199	0.5103		6,479.3321	6,479.3321	0.4644		6,490.9421
Worker	1.8065	0.8692	10.2003	0.0426	6.7772	0.0277	6.8049	1.7976	0.0255	1.8231		4,247.8677	4,247.8677	0.0623		4,249.4242
Total	**2.2658**	**17.6697**	**15.7887**	**0.1019**	**8.4814**	**0.0485**	**8.5299**	**2.2881**	**0.0454**	**2.3335**		**10,727.1998**	**10,727.1998**	**0.5267**		**10,740.3664**

3.5 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2032

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	0.4519	16.6063	5.5528	0.0592	1.7042	0.0201	1.7243	0.4905	0.0192	0.5096		6,464.9104	6,464.9104	0.4641		6,476.5124
Worker	1.6649	0.7957	9.5606	0.0417	6.7772	0.0259	6.8030	1.7976	0.0238	1.8214		4,161.7081	4,161.7081	0.0568		4,163.1270
Total	**2.1168**	**17.4020**	**15.1134**	**0.1009**	**8.4814**	**0.0459**	**8.5273**	**2.2881**	**0.0429**	**2.3310**		**10,626.6185**	**10,626.6185**	**0.5208**		**10,639.6394**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2032

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	0.4519	16.6063	5.5528	0.0592	1.7042	0.0201	1.7243	0.4905	0.0192	0.5096		6,464.9104	6,464.9104	0.4641		6,476.5124
Worker	1.6649	0.7957	9.5606	0.0417	6.7772	0.0259	6.8030	1.7976	0.0238	1.8214		4,161.7081	4,161.7081	0.0568		4,163.1270
Total	**2.1168**	**17.4020**	**15.1134**	**0.1009**	**8.4814**	**0.0459**	**8.5273**	**2.2881**	**0.0429**	**2.3310**		**10,626.6185**	**10,626.6185**	**0.5208**		**10,639.6394**

3.5 Building Construction - 2033

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2033

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	0.4461	16.4311	5.5282	0.0590	1.7043	0.0194	1.7237	0.4905	0.0186	0.5090		6,452.9655	6,452.9655	0.4639		6,464.5620
Worker	1.5438	0.7338	9.0120	0.0409	6.7772	0.0242	6.8013	1.7976	0.0222	1.8198		4,087.0791	4,087.0791	0.0521		4,088.3812
Total	**1.9899**	**17.1649**	**14.5402**	**0.1000**	**8.4814**	**0.0436**	**8.5250**	**2.2881**	**0.0408**	**2.3289**		**10,540.0447**	**10,540.0447**	**0.5159**		**10,552.9432**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2033

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	0.4461	16.4311	5.5282	0.0590	1.7043	0.0194	1.7237	0.4905	0.0186	0.5090		6,452.9655	6,452.9655	0.4639		6,464.5620
Worker	1.5438	0.7338	9.0120	0.0409	6.7772	0.0242	6.8013	1.7976	0.0222	1.8198		4,087.0791	4,087.0791	0.0521		4,088.3812
Total	**1.9899**	**17.1649**	**14.5402**	**0.1000**	**8.4814**	**0.0436**	**8.5250**	**2.2881**	**0.0408**	**2.3289**		**10,540.0447**	**10,540.0447**	**0.5159**		**10,552.9432**

3.5 Building Construction - 2034

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2034

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	0.4410	16.2833	5.5044	0.0589	1.7043	0.0189	1.7232	0.4905	0.0181	0.5086		6,443.4999	6,443.4999	0.4637		6,455.0911
Worker	1.4419	0.6820	8.4974	0.0403	6.7772	0.0226	6.7998	1.7976	0.0208	1.8184		4,022.3917	4,022.3917	0.0477		4,023.5851
Total	**1.8829**	**16.9653**	**14.0019**	**0.0992**	**8.4815**	**0.0415**	**8.5230**	**2.2881**	**0.0388**	**2.3270**		**10,465.8915**	**10,465.8915**	**0.5114**		**10,478.6762**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2034

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	0.4410	16.2833	5.5044	0.0589	1.7043	0.0189	1.7232	0.4905	0.0181	0.5086		6,443.4999	6,443.4999	0.4637		6,455.0911
Worker	1.4419	0.6820	8.4974	0.0403	6.7772	0.0226	6.7998	1.7976	0.0208	1.8184		4,022.3917	4,022.3917	0.0477		4,023.5851
Total	**1.8829**	**16.9653**	**14.0019**	**0.0992**	**8.4815**	**0.0415**	**8.5230**	**2.2881**	**0.0388**	**2.3270**		**10,465.8915**	**10,465.8915**	**0.5114**		**10,478.6762**

3.6 Paving - 2034

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

3.6 Paving - 2034

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	0.0262	0.0124	0.1545	7.3000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		73.1344	73.1344	8.7000e-004		73.1561
Total	**0.0262**	**0.0124**	**0.1545**	**7.3000e-004**	**0.1232**	**4.1000e-004**	**0.1236**	**0.0327**	**3.8000e-004**	**0.0331**		**73.1344**	**73.1344**	**8.7000e-004**		**73.1561**

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

3.6 Paving - 2034

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	0.0262	0.0124	0.1545	7.3000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		73.1344	73.1344	8.7000e-004		73.1561
Total	**0.0262**	**0.0124**	**0.1545**	**7.3000e-004**	**0.1232**	**4.1000e-004**	**0.1236**	**0.0327**	**3.8000e-004**	**0.0331**		**73.1344**	**73.1344**	**8.7000e-004**		**73.1561**

3.6 Paving - 2035

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0727**

3.6 Paving - 2035

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	0.0247	0.0117	0.1467	7.2000e-004	0.1232	3.9000e-004	0.1236	0.0327	3.5000e-004	0.0330		72.1329	72.1329	8.0000e-004		72.1530
Total	**0.0247**	**0.0117**	**0.1467**	**7.2000e-004**	**0.1232**	**3.9000e-004**	**0.1236**	**0.0327**	**3.5000e-004**	**0.0330**		**72.1329**	**72.1329**	**8.0000e-004**		**72.1530**

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0726**

3.6 Paving - 2035

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	0.0247	0.0117	0.1467	7.2000e-004	0.1232	3.9000e-004	0.1236	0.0327	3.5000e-004	0.0330		72.1329	72.1329	8.0000e-004		72.1530
Total	**0.0247**	**0.0117**	**0.1467**	**7.2000e-004**	**0.1232**	**3.9000e-004**	**0.1236**	**0.0327**	**3.5000e-004**	**0.0330**		**72.1329**	**72.1329**	**8.0000e-004**		**72.1530**

3.7 Architectural Coating - 2035

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	243.9853					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	**244.1032**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

3.7 Architectural Coating - 2035

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	0.2714	0.1285	1.6133	7.9400e-003	1.3554	4.2400e-003	1.3597	0.3595	3.9000e-003	0.3634		793.4622	793.4622	8.8300e-003		793.6828
Total	**0.2714**	**0.1285**	**1.6133**	**7.9400e-003**	**1.3554**	**4.2400e-003**	**1.3597**	**0.3595**	**3.9000e-003**	**0.3634**		**793.4622**	**793.4622**	**8.8300e-003**		**793.6828**

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	243.9853					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	**244.1032**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.7081**

3.7 Architectural Coating - 2035

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	0.2714	0.1285	1.6133	7.9400e-003	1.3554	4.2400e-003	1.3597	0.3595	3.9000e-003	0.3634		793.4622	793.4622	8.8300e-003		793.6828
Total	**0.2714**	**0.1285**	**1.6133**	**7.9400e-003**	**1.3554**	**4.2400e-003**	**1.3597**	**0.3595**	**3.9000e-003**	**0.3634**		**793.4622**	**793.4622**	**8.8300e-003**		**793.6828**

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	13.0623	61.0367	154.6593	0.7004	91.4006	0.3786	91.7792	24.4086	0.3518	24.7603		71,640.8713	71,640.8713	2.6386		71,706.8363
Unmitigated	13.0623	61.0367	154.6593	0.7004	91.4006	0.3786	91.7792	24.4086	0.3518	24.7603		71,640.8713	71,640.8713	2.6386		71,706.8363

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,359.36	1,359.36	1359.36	3,825,307	3,825,307
City Park	700.00	700.00	700.00	1,494,397	1,494,397
Junior High School	1,704.00	1,704.00	1704.00	3,830,923	3,830,923
Apartments High Rise	1,288.32	1,288.32	1288.32	3,625,397	3,625,397
Regional Shopping Center	7,399.76	7,399.76	7399.76	12,974,026	12,974,026
Single Family Housing	6,192.64	6,192.64	6192.64	17,426,398	17,426,398
Total	18,644.08	18,644.08	18,644.08	43,176,448	43,176,448

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
Apartments Mid Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Apartments High Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Apartments Mid Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
City Park	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Junior High School	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Regional Shopping Center	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Single Family Housing	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Existing Blosser SE Specific Plan - South Central Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive 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	0.7100	6.1027	2.8417	0.0387		0.4905	0.4905		0.4905	0.4905		7,745.4184	7,745.4184	0.1485	0.1420	7,791.4455
NaturalGas Unmitigated	0.7100	6.1027	2.8417	0.0387		0.4905	0.4905		0.4905	0.4905		7,745.4184	7,745.4184	0.1485	0.1420	7,791.4455

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					
Apartments High Rise	4165.87	0.0449	0.3839	0.1634	2.4500e-003		0.0310	0.0310		0.0310	0.0310		490.1026	490.1026	9.3900e-003	8.9900e-003	493.0150
Apartments Mid Rise	3408.44	0.0368	0.3141	0.1337	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.9930	400.9930	7.6900e-003	7.3500e-003	403.3759
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	4751.42	0.0512	0.4658	0.3913	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.9911	558.9911	0.0107	0.0103	562.3130
Regional Shopping Center	1272.79	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7397	149.7397	2.8700e-003	2.7500e-003	150.6295
Single Family Housing	52237.5	0.5634	4.8141	2.0485	0.0307		0.3892	0.3892		0.3892	0.3892		6,145.5920	6,145.5920	0.1178	0.1127	6,182.1121
Total		**0.7100**	**6.1027**	**2.8417**	**0.0387**		**0.4905**	**0.4905**		**0.4905**	**0.4905**		**7,745.4184**	**7,745.4184**	**0.1485**	**0.1420**	**7,791.4455**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	4.16587	0.0449	0.3839	0.1634	2.4500e-003		0.0310	0.0310		0.0310	0.0310		490.1026	490.1026	9.3900e-003	8.9900e-003	493.0150
Apartments Mid Rise	3.40844	0.0368	0.3141	0.1337	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.9930	400.9930	7.6900e-003	7.3500e-003	403.3759
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	4.75142	0.0512	0.4658	0.3913	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.9911	558.9911	0.0107	0.0103	562.3130
Regional Shopping Center	1.27279	0.0137	0.1248	0.1048	7.5000e-004		9.4800e-003	9.4800e-003		9.4800e-003	9.4800e-003		149.7397	149.7397	2.8700e-003	2.7500e-003	150.6295
Single Family Housing	52.2375	0.5634	4.8141	2.0485	0.0307		0.3892	0.3892		0.3892	0.3892		6,145.5920	6,145.5920	0.1178	0.1127	6,182.1121
Total		**0.7100**	**6.1027**	**2.8417**	**0.0387**		**0.4905**	**0.4905**		**0.4905**	**0.4905**		**7,745.4184**	**7,745.4184**	**0.1485**	**0.1420**	**7,791.4455**

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	55.4705	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469	0.0000	145.2081	145.2081	0.1386	0.0000	148.6728
Unmitigated	55.4705	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469	0.0000	145.2081	145.2081	0.1386	0.0000	148.6728

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	14.7060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	38.3560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4085	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469		145.2081	145.2081	0.1386		148.6728
Total	**55.4705**	**0.9266**	**80.3407**	**4.2600e-003**		**0.4469**	**0.4469**		**0.4469**	**0.4469**	**0.0000**	**145.2081**	**145.2081**	**0.1386**	**0.0000**	**148.6728**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.7060					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	38.3560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4085	0.9266	80.3407	4.2600e-003		0.4469	0.4469		0.4469	0.4469		145.2081	145.2081	0.1386		148.6728
Total	**55.4705**	**0.9266**	**80.3407**	**4.2600e-003**		**0.4469**	**0.4469**		**0.4469**	**0.4469**	**0.0000**	**145.2081**	**145.2081**	**0.1386**	**0.0000**	**148.6728**

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

Proposed Blosser SE Specific Plan

South Central Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
	0.00		0.00	0.00	0
Junior High School	800.00	Student	21.00	94,049.35	0
Other Non-Asphalt Surfaces	6.00	Acre	6.00	261,360.00	0
City Park	19.00	Acre	19.00	827,640.00	0
Apartments Mid Rise	704.00	Dwelling Unit	32.00	704,000.00	2013
Single Family Housing	464.00	Dwelling Unit	58.00	835,200.00	1327
Regional Shopping Center	130.68	1000sqft	10.00	130,680.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.9	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - LU acreages based on Specific Plan and unit amounts equivalent to Traffic Study. "Other Non-Asphalt Surfaces" represents basin area.

Demolition -

Vehicle Trips - Trip rates based on Traffic Study (ATE 2019).

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	2.16	21.00
tblLandUse	LotAcreage	18.53	32.00
tblLandUse	LotAcreage	150.65	58.00
tblLandUse	LotAcreage	3.00	10.00
tblVehicleTrips	ST_TR	6.39	7.32
tblVehicleTrips	ST_TR	22.75	50.00
tblVehicleTrips	ST_TR	0.00	2.13
tblVehicleTrips	ST_TR	49.97	37.75
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	5.86	7.32
tblVehicleTrips	SU_TR	16.74	50.00
tblVehicleTrips	SU_TR	0.00	2.13
tblVehicleTrips	SU_TR	25.24	37.75
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	6.65	7.32
tblVehicleTrips	WD_TR	1.89	50.00
tblVehicleTrips	WD_TR	1.62	2.13
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4655	4.6448	2.9011	5.2200e-003	0.5796	0.2341	0.8137	0.3127	0.2170	0.5297	0.0000	458.4915	458.4915	0.1300	0.0000	461.7413
2021	0.5473	5.8907	3.8133	7.5800e-003	1.5666	0.2609	1.8276	0.6738	0.2401	0.9139	0.0000	666.8002	666.8002	0.2107	0.0000	672.0682
2022	0.7167	6.0316	5.7658	0.0186	1.6599	0.1613	1.8212	0.4716	0.1500	0.6216	0.0000	1,712.2094	1,712.2094	0.1980	0.0000	1,717.1597
2023	0.8012	5.6087	6.6649	0.0251	1.5602	0.1042	1.6645	0.4213	0.0980	0.5193	0.0000	2,343.0318	2,343.0318	0.1666	0.0000	2,347.1963
2024	0.7618	5.4292	6.3976	0.0249	1.5723	0.0933	1.6655	0.4245	0.0877	0.5121	0.0000	2,319.8116	2,319.8116	0.1654	0.0000	2,323.9465
2025	0.7170	5.1857	6.0864	0.0243	1.5663	0.0813	1.6476	0.4229	0.0764	0.4993	0.0000	2,267.6462	2,267.6462	0.1626	0.0000	2,271.7109
2026	0.6918	5.0993	5.8368	0.0238	1.5663	0.0808	1.6471	0.4229	0.0759	0.4988	0.0000	2,227.7270	2,227.7270	0.1609	0.0000	2,231.7490
2027	0.6678	5.0187	5.6268	0.0234	1.5663	0.0802	1.6465	0.4229	0.0753	0.4982	0.0000	2,193.4292	2,193.4292	0.1594	0.0000	2,197.4138
2028	0.6408	4.9311	5.4266	0.0230	1.5603	0.0792	1.6395	0.4213	0.0744	0.4957	0.0000	2,155.1987	2,155.1987	0.1575	0.0000	2,159.1351
2029	0.6167	4.8843	5.2760	0.0228	1.5663	0.0788	1.6452	0.4229	0.0741	0.4970	0.0000	2,136.7310	2,136.7310	0.1568	0.0000	2,140.6513
2030	0.5832	4.2344	5.1341	0.0231	1.5664	0.0287	1.5951	0.4229	0.0281	0.4510	0.0000	2,153.7727	2,153.7727	0.0983	0.0000	2,156.2292
2031	0.5548	4.1895	4.9949	0.0229	1.5664	0.0283	1.5946	0.4229	0.0277	0.4506	0.0000	2,136.3967	2,136.3967	0.0972	0.0000	2,138.8272
2032	0.5314	4.1569	4.8869	0.0227	1.5724	0.0279	1.6003	0.4245	0.0273	0.4519	0.0000	2,127.1103	2,127.1103	0.0966	0.0000	2,129.5255
2033	0.5058	4.0824	4.7424	0.0224	1.5604	0.0272	1.5876	0.4213	0.0267	0.4480	0.0000	2,095.9620	2,095.9620	0.0950	0.0000	2,098.3381
2034	0.2732	1.8510	2.8390	9.2200e-003	0.4731	0.0382	0.5114	0.1277	0.0381	0.1658	0.0000	843.5674	843.5674	0.0383	0.0000	844.5256
2035	26.8459	0.1941	0.7532	2.1500e-003	0.2170	5.2500e-003	0.2222	0.0577	5.1900e-003	0.0628	0.0000	191.2571	191.2571	4.0800e-003	0.0000	191.3590
Maximum	**26.8459**	**6.0316**	**6.6649**	**0.0251**	**1.6599**	**0.2609**	**1.8276**	**0.6738**	**0.2401**	**0.9139**	**0.0000**	**2,343.0318**	**2,343.0318**	**0.2107**	**0.0000**	**2,347.1963**

2.1 Overall Construction

Mitigated Construction

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4655	4.6448	2.9011	5.2200e-003	0.5796	0.2341	0.8137	0.3127	0.2170	0.5297	0.0000	458.4910	458.4910	0.1300	0.0000	461.7408
2021	0.5473	5.8907	3.8133	7.5800e-003	1.5666	0.2609	1.8276	0.6738	0.2401	0.9139	0.0000	666.7994	666.7994	0.2107	0.0000	672.0674
2022	0.7167	6.0316	5.7657	0.0186	1.6599	0.1613	1.8212	0.4716	0.1500	0.6216	0.0000	1,712.2088	1,712.2088	0.1980	0.0000	1,717.1592
2023	0.8012	5.6087	6.6649	0.0251	1.5602	0.1042	1.6645	0.4213	0.0980	0.5193	0.0000	2,343.0315	2,343.0315	0.1666	0.0000	2,347.1960
2024	0.7618	5.4292	6.3976	0.0249	1.5723	0.0933	1.6655	0.4245	0.0877	0.5121	0.0000	2,319.8112	2,319.8112	0.1654	0.0000	2,323.9461
2025	0.7170	5.1857	6.0864	0.0243	1.5663	0.0813	1.6476	0.4229	0.0764	0.4993	0.0000	2,267.6458	2,267.6458	0.1626	0.0000	2,271.7105
2026	0.6918	5.0993	5.8368	0.0238	1.5663	0.0808	1.6471	0.4229	0.0759	0.4988	0.0000	2,227.7267	2,227.7267	0.1609	0.0000	2,231.7486
2027	0.6678	5.0187	5.6268	0.0234	1.5663	0.0802	1.6465	0.4229	0.0753	0.4982	0.0000	2,193.4288	2,193.4288	0.1594	0.0000	2,197.4134
2028	0.6408	4.9311	5.4266	0.0230	1.5603	0.0792	1.6395	0.4213	0.0744	0.4957	0.0000	2,155.1984	2,155.1984	0.1575	0.0000	2,159.1348
2029	0.6167	4.8843	5.2760	0.0228	1.5663	0.0788	1.6452	0.4229	0.0741	0.4970	0.0000	2,136.7306	2,136.7306	0.1568	0.0000	2,140.6509
2030	0.5832	4.2344	5.1341	0.0231	1.5664	0.0287	1.5951	0.4229	0.0281	0.4510	0.0000	2,153.7723	2,153.7723	0.0983	0.0000	2,156.2288
2031	0.5548	4.1895	4.9949	0.0229	1.5664	0.0283	1.5946	0.4229	0.0277	0.4506	0.0000	2,136.3963	2,136.3963	0.0972	0.0000	2,138.8268
2032	0.5314	4.1569	4.8869	0.0227	1.5724	0.0279	1.6003	0.4245	0.0273	0.4519	0.0000	2,127.1099	2,127.1099	0.0966	0.0000	2,129.5251
2033	0.5058	4.0824	4.7424	0.0224	1.5604	0.0272	1.5876	0.4213	0.0267	0.4480	0.0000	2,095.9616	2,095.9616	0.0950	0.0000	2,098.3377
2034	0.2732	1.8510	2.8390	9.2200e-003	0.4731	0.0382	0.5114	0.1277	0.0381	0.1658	0.0000	843.5670	843.5670	0.0383	0.0000	844.5252
2035	26.8459	0.1941	0.7532	2.1500e-003	0.2170	5.2500e-003	0.2222	0.0577	5.1900e-003	0.0628	0.0000	191.2570	191.2570	4.0800e-003	0.0000	191.3589
Maximum	**26.8459**	**6.0316**	**6.6649**	**0.0251**	**1.6599**	**0.2609**	**1.8276**	**0.6738**	**0.2401**	**0.9139**	**0.0000**	**2,343.0315**	**2,343.0315**	**0.2107**	**0.0000**	**2,347.1960**

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2020**	**3-31-2020**	1.1914	1.1914
2	**4-1-2020**	**6-30-2020**	1.1910	1.1910
3	**7-1-2020**	**9-30-2020**	1.2041	1.2041
4	**10-1-2020**	**12-31-2020**	1.5106	1.5106
5	**1-1-2021**	**3-31-2021**	1.4483	1.4483
6	**4-1-2021**	**6-30-2021**	1.6480	1.6480
7	**7-1-2021**	**9-30-2021**	1.6661	1.6661
8	**10-1-2021**	**12-31-2021**	1.6667	1.6667
9	**1-1-2022**	**3-31-2022**	1.3690	1.3690
10	**4-1-2022**	**6-30-2022**	1.5454	1.5454
11	**7-1-2022**	**9-30-2022**	1.8948	1.8948
12	**10-1-2022**	**12-31-2022**	1.9251	1.9251
13	**1-1-2023**	**3-31-2023**	1.5926	1.5926
14	**4-1-2023**	**6-30-2023**	1.5838	1.5838
15	**7-1-2023**	**9-30-2023**	1.6012	1.6012
16	**10-1-2023**	**12-31-2023**	1.6280	1.6280
17	**1-1-2024**	**3-31-2024**	1.5432	1.5432
18	**4-1-2024**	**6-30-2024**	1.5186	1.5186
19	**7-1-2024**	**9-30-2024**	1.5353	1.5353
20	**10-1-2024**	**12-31-2024**	1.5601	1.5601
21	**1-1-2025**	**3-31-2025**	1.4606	1.4606
22	**4-1-2025**	**6-30-2025**	1.4539	1.4539
23	**7-1-2025**	**9-30-2025**	1.4699	1.4699

24	**10-1-2025**	**12-31-2025**	1.4931	1.4931
25	**1-1-2026**	**3-31-2026**	1.4328	1.4328
26	**4-1-2026**	**6-30-2026**	1.4272	1.4272
27	**7-1-2026**	**9-30-2026**	1.4429	1.4429
28	**10-1-2026**	**12-31-2026**	1.4646	1.4646
29	**1-1-2027**	**3-31-2027**	1.4066	1.4066
30	**4-1-2027**	**6-30-2027**	1.4021	1.4021
31	**7-1-2027**	**9-30-2027**	1.4175	1.4175
32	**10-1-2027**	**12-31-2027**	1.4379	1.4379
33	**1-1-2028**	**3-31-2028**	1.3986	1.3986
34	**4-1-2028**	**6-30-2028**	1.3798	1.3798
35	**7-1-2028**	**9-30-2028**	1.3949	1.3949
36	**10-1-2028**	**12-31-2028**	1.4139	1.4139
37	**1-1-2029**	**3-31-2029**	1.3599	1.3599
38	**4-1-2029**	**6-30-2029**	1.3576	1.3576
39	**7-1-2029**	**9-30-2029**	1.3726	1.3726
40	**10-1-2029**	**12-31-2029**	1.3901	1.3901
41	**1-1-2030**	**3-31-2030**	1.1909	1.1909
42	**4-1-2030**	**6-30-2030**	1.1882	1.1882
43	**7-1-2030**	**9-30-2030**	1.2013	1.2013
44	**10-1-2030**	**12-31-2030**	1.2174	1.2174
45	**1-1-2031**	**3-31-2031**	1.1721	1.1721
46	**4-1-2031**	**6-30-2031**	1.1707	1.1707
47	**7-1-2031**	**9-30-2031**	1.1835	1.1835
48	**10-1-2031**	**12-31-2031**	1.1981	1.1981
49	**1-1-2032**	**3-31-2032**	1.1660	1.1660
50	**4-1-2032**	**6-30-2032**	1.1529	1.1529

51	**7-1-2032**	**9-30-2032**	1.1656	1.1656
52	**10-1-2032**	**12-31-2032**	1.1788	1.1788
53	**1-1-2033**	**3-31-2033**	1.1367	1.1367
54	**4-1-2033**	**6-30-2033**	1.1374	1.1374
55	**7-1-2033**	**9-30-2033**	1.1499	1.1499
56	**10-1-2033**	**12-31-2033**	1.1619	1.1619
57	**1-1-2034**	**3-31-2034**	1.1228	1.1228
58	**4-1-2034**	**6-30-2034**	0.4450	0.4450
59	**7-1-2034**	**9-30-2034**	0.2805	0.2805
60	**10-1-2034**	**12-31-2034**	0.2807	0.2807
61	**1-1-2035**	**3-31-2035**	3.5207	3.5207
62	**4-1-2035**	**6-30-2035**	7.9550	7.9550
63	**7-1-2035**	**9-30-2035**	8.0424	8.0424
		Highest	8.0424	8.0424

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	9.8502	0.0998	8.6508	4.6000e-004		0.0481	0.0481		0.0481	0.0481	0.0000	14.1835	14.1835	0.0135	0.0000	14.5218
Energy	0.1165	1.0019	0.4679	6.3600e-003		0.0805	0.0805		0.0805	0.0805	0.0000	3,644.7643	3,644.7643	0.1348	0.0445	3,661.3801
Mobile	2.1989	10.4003	26.1119	0.1225	15.5796	0.0654	15.6449	4.1680	0.0607	4.2287	0.0000	11,370.1850	11,370.1850	0.4068	0.0000	11,380.3557
Waste						0.0000	0.0000		0.0000	0.0000	233.9978	0.0000	233.9978	13.8289	0.0000	579.7197
Water						0.0000	0.0000		0.0000	0.0000	27.8292	221.0976	248.9268	2.8683	0.0696	341.3638
Total	**12.1656**	**11.5019**	**35.2305**	**0.1293**	**15.5796**	**0.1940**	**15.7736**	**4.1680**	**0.1894**	**4.3574**	**261.8271**	**15,250.2305**	**15,512.0575**	**17.2523**	**0.1140**	**15,977.3411**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.8502	0.0998	8.6508	4.6000e-004		0.0481	0.0481		0.0481	0.0481	0.0000	14.1835	14.1835	0.0135	0.0000	14.5218
Energy	0.1165	1.0019	0.4679	6.3600e-003		0.0805	0.0805		0.0805	0.0805	0.0000	3,644.7643	3,644.7643	0.1348	0.0445	3,661.3801
Mobile	2.1989	10.4003	26.1119	0.1225	15.5796	0.0654	15.6449	4.1680	0.0607	4.2287	0.0000	11,370.1850	11,370.1850	0.4068	0.0000	11,380.3557
Waste						0.0000	0.0000		0.0000	0.0000	233.9978	0.0000	233.9978	13.8289	0.0000	579.7197
Water						0.0000	0.0000		0.0000	0.0000	27.8292	221.0976	248.9268	2.8683	0.0696	341.3638
Total	**12.1656**	**11.5019**	**35.2305**	**0.1293**	**15.5796**	**0.1940**	**15.7736**	**4.1680**	**0.1894**	**4.3574**	**261.8271**	**15,250.2305**	**15,512.0575**	**17.2523**	**0.1140**	**15,977.3411**

	ROG	NOx	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

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	10/6/2020	5	200	
2	Site Preparation	Site Preparation	10/7/2020	3/23/2021	5	120	
3	Grading	Grading	3/24/2021	5/31/2022	5	310	
4	Building Construction	Building Construction	6/1/2022	4/18/2034	5	3100	
5	Paving	Paving	4/19/2034	2/20/2035	5	220	
6	Architectural Coating	Architectural Coating	2/21/2035	12/25/2035	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 6

Residential Indoor: 3,116,880; Residential Outdoor: 1,038,960; Non-Residential Indoor: 337,094; Non-Residential Outdoor: 112,365; Striped Parking Area: 15,682 (Architectural Coating – sqft)

OffRoad Equipment

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	25.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,213.00	340.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	243.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7700e-003	0.0000	2.7700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	3.3201	2.1753	3.8800e-003		0.1659	0.1659		0.1542	0.1542	0.0000	339.9861	339.9861	0.0960	0.0000	342.3855
Total	**0.3312**	**3.3201**	**2.1753**	**3.8800e-003**	**2.7700e-003**	**0.1659**	**0.1686**	**4.2000e-004**	**0.1542**	**0.1546**	**0.0000**	**339.9861**	**339.9861**	**0.0960**	**0.0000**	**342.3855**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.6900e-003	8.8000e-004	1.0000e-005	2.1000e-004	2.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9518	0.9518	8.0000e-005	0.0000	0.9539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7200e-003	4.4200e-003	0.0422	1.1000e-004	0.0121	8.0000e-005	0.0121	3.2000e-003	8.0000e-005	3.2800e-003	0.0000	10.1447	10.1447	3.1000e-004	0.0000	10.1523
Total	**5.8200e-003**	**8.1100e-003**	**0.0431**	**1.2000e-004**	**0.0123**	**1.0000e-004**	**0.0124**	**3.2600e-003**	**9.0000e-005**	**3.3500e-003**	**0.0000**	**11.0965**	**11.0965**	**3.9000e-004**	**0.0000**	**11.1062**

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					2.7700e-003	0.0000	2.7700e-003	4.2000e-004	0.0000	4.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3312	3.3201	2.1753	3.8800e-003		0.1659	0.1659		0.1542	0.1542	0.0000	339.9857	339.9857	0.0960	0.0000	342.3851
Total	**0.3312**	**3.3201**	**2.1753**	**3.8800e-003**	**2.7700e-003**	**0.1659**	**0.1686**	**4.2000e-004**	**0.1542**	**0.1546**	**0.0000**	**339.9857**	**339.9857**	**0.0960**	**0.0000**	**342.3851**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.6900e-003	8.8000e-004	1.0000e-005	2.1000e-004	2.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.9518	0.9518	8.0000e-005	0.0000	0.9539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7200e-003	4.4200e-003	0.0422	1.1000e-004	0.0121	8.0000e-005	0.0121	3.2000e-003	8.0000e-005	3.2800e-003	0.0000	10.1447	10.1447	3.1000e-004	0.0000	10.1523
Total	**5.8200e-003**	**8.1100e-003**	**0.0431**	**1.2000e-004**	**0.0123**	**1.0000e-004**	**0.0124**	**3.2600e-003**	**9.0000e-005**	**3.3500e-003**	**0.0000**	**11.0965**	**11.0965**	**3.9000e-004**	**0.0000**	**11.1062**

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					0.5601	0.0000	0.5601	0.3079	0.0000	0.3079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1264	1.3149	0.6669	1.1800e-003		0.0681	0.0681		0.0627	0.0627	0.0000	103.6351	103.6351	0.0335	0.0000	104.4731
Total	**0.1264**	**1.3149**	**0.6669**	**1.1800e-003**	**0.5601**	**0.0681**	**0.6282**	**0.3079**	**0.0627**	**0.3705**	**0.0000**	**103.6351**	**103.6351**	**0.0335**	**0.0000**	**104.4731**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.6400e-003	0.0157	4.0000e-005	4.4800e-003	3.0000e-005	4.5100e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.7738	3.7738	1.1000e-004	0.0000	3.7767
Total	**2.1300e-003**	**1.6400e-003**	**0.0157**	**4.0000e-005**	**4.4800e-003**	**3.0000e-005**	**4.5100e-003**	**1.1900e-003**	**3.0000e-005**	**1.2200e-003**	**0.0000**	**3.7738**	**3.7738**	**1.1000e-004**	**0.0000**	**3.7767**

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					0.5601	0.0000	0.5601	0.3079	0.0000	0.3079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1264	1.3149	0.6669	1.1800e-003		0.0681	0.0681		0.0627	0.0627	0.0000	103.6350	103.6350	0.0335	0.0000	104.4729
Total	**0.1264**	**1.3149**	**0.6669**	**1.1800e-003**	**0.5601**	**0.0681**	**0.6282**	**0.3079**	**0.0627**	**0.3705**	**0.0000**	**103.6350**	**103.6350**	**0.0335**	**0.0000**	**104.4729**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.6400e-003	0.0157	4.0000e-005	4.4800e-003	3.0000e-005	4.5100e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.7738	3.7738	1.1000e-004	0.0000	3.7767
Total	**2.1300e-003**	**1.6400e-003**	**0.0157**	**4.0000e-005**	**4.4800e-003**	**3.0000e-005**	**4.5100e-003**	**1.1900e-003**	**3.0000e-005**	**1.2200e-003**	**0.0000**	**3.7738**	**3.7738**	**1.1000e-004**	**0.0000**	**3.7767**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5239	0.0000	0.5239	0.2880	0.0000	0.2880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1128	1.1744	0.6135	1.1000e-003		0.0593	0.0593		0.0546	0.0546	0.0000	96.9636	96.9636	0.0314	0.0000	97.7476
Total	**0.1128**	**1.1744**	**0.6135**	**1.1000e-003**	**0.5239**	**0.0593**	**0.5832**	**0.2880**	**0.0546**	**0.3425**	**0.0000**	**96.9636**	**96.9636**	**0.0314**	**0.0000**	**97.7476**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8600e-003	1.3800e-003	0.0134	4.0000e-005	4.1900e-003	3.0000e-005	4.2200e-003	1.1100e-003	3.0000e-005	1.1400e-003	0.0000	3.4185	3.4185	1.0000e-004	0.0000	3.4209
Total	**1.8600e-003**	**1.3800e-003**	**0.0134**	**4.0000e-005**	**4.1900e-003**	**3.0000e-005**	**4.2200e-003**	**1.1100e-003**	**3.0000e-005**	**1.1400e-003**	**0.0000**	**3.4185**	**3.4185**	**1.0000e-004**	**0.0000**	**3.4209**

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					0.5239	0.0000	0.5239	0.2880	0.0000	0.2880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1128	1.1744	0.6135	1.1000e-003		0.0593	0.0593		0.0546	0.0546	0.0000	96.9635	96.9635	0.0314	0.0000	97.7475
Total	**0.1128**	**1.1744**	**0.6135**	**1.1000e-003**	**0.5239**	**0.0593**	**0.5832**	**0.2880**	**0.0546**	**0.3425**	**0.0000**	**96.9635**	**96.9635**	**0.0314**	**0.0000**	**97.7475**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8600e-003	1.3800e-003	0.0134	4.0000e-005	4.1900e-003	3.0000e-005	4.2200e-003	1.1100e-003	3.0000e-005	1.1400e-003	0.0000	3.4185	3.4185	1.0000e-004	0.0000	3.4209
Total	**1.8600e-003**	**1.3800e-003**	**0.0134**	**4.0000e-005**	**4.1900e-003**	**3.0000e-005**	**4.2200e-003**	**1.1100e-003**	**3.0000e-005**	**1.1400e-003**	**0.0000**	**3.4185**	**3.4185**	**1.0000e-004**	**0.0000**	**3.4209**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0222	0.0000	1.0222	0.3804	0.0000	0.3804	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4254	4.7096	3.1342	6.2900e-003		0.2015	0.2015		0.1854	0.1854	0.0000	553.1241	553.1241	0.1789	0.0000	557.5964
Total	**0.4254**	**4.7096**	**3.1342**	**6.2900e-003**	**1.0222**	**0.2015**	**1.2237**	**0.3804**	**0.1854**	**0.5658**	**0.0000**	**553.1241**	**553.1241**	**0.1789**	**0.0000**	**557.5964**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2400e-003	5.3600e-003	0.0523	1.5000e-004	0.0163	1.1000e-004	0.0164	4.3300e-003	1.0000e-004	4.4300e-003	0.0000	13.2941	13.2941	3.7000e-004	0.0000	13.3034
Total	**7.2400e-003**	**5.3600e-003**	**0.0523**	**1.5000e-004**	**0.0163**	**1.1000e-004**	**0.0164**	**4.3300e-003**	**1.0000e-004**	**4.4300e-003**	**0.0000**	**13.2941**	**13.2941**	**3.7000e-004**	**0.0000**	**13.3034**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0222	0.0000	1.0222	0.3804	0.0000	0.3804	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4254	4.7096	3.1342	6.2900e-003		0.2015	0.2015		0.1854	0.1854	0.0000	553.1234	553.1234	0.1789	0.0000	557.5957
Total	**0.4254**	**4.7096**	**3.1342**	**6.2900e-003**	**1.0222**	**0.2015**	**1.2237**	**0.3804**	**0.1854**	**0.5658**	**0.0000**	**553.1234**	**553.1234**	**0.1789**	**0.0000**	**557.5957**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2400e-003	5.3600e-003	0.0523	1.5000e-004	0.0163	1.1000e-004	0.0164	4.3300e-003	1.0000e-004	4.4300e-003	0.0000	13.2941	13.2941	3.7000e-004	0.0000	13.3034
Total	**7.2400e-003**	**5.3600e-003**	**0.0523**	**1.5000e-004**	**0.0163**	**1.1000e-004**	**0.0164**	**4.3300e-003**	**1.0000e-004**	**4.4300e-003**	**0.0000**	**13.2941**	**13.2941**	**3.7000e-004**	**0.0000**	**13.3034**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7331	0.0000	0.7331	0.2215	0.0000	0.2215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1939	2.0781	1.5537	3.3200e-003		0.0875	0.0875		0.0805	0.0805	0.0000	291.7601	291.7601	0.0944	0.0000	294.1191
Total	**0.1939**	**2.0781**	**1.5537**	**3.3200e-003**	**0.7331**	**0.0875**	**0.8206**	**0.2215**	**0.0805**	**0.3019**	**0.0000**	**291.7601**	**291.7601**	**0.0944**	**0.0000**	**294.1191**

3.4 Grading - 2022

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	3.5800e-003	2.5400e-003	0.0253	7.0000e-005	8.6000e-003	6.0000e-005	8.6500e-003	2.2800e-003	5.0000e-005	2.3400e-003	0.0000	6.7549	6.7549	1.8000e-004	0.0000	6.7593
Total	**3.5800e-003**	**2.5400e-003**	**0.0253**	**7.0000e-005**	**8.6000e-003**	**6.0000e-005**	**8.6500e-003**	**2.2800e-003**	**5.0000e-005**	**2.3400e-003**	**0.0000**	**6.7549**	**6.7549**	**1.8000e-004**	**0.0000**	**6.7593**

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					0.7331	0.0000	0.7331	0.2215	0.0000	0.2215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1939	2.0781	1.5537	3.3200e-003		0.0875	0.0875		0.0805	0.0805	0.0000	291.7598	291.7598	0.0944	0.0000	294.1188
Total	**0.1939**	**2.0781**	**1.5537**	**3.3200e-003**	**0.7331**	**0.0875**	**0.8206**	**0.2215**	**0.0805**	**0.3019**	**0.0000**	**291.7598**	**291.7598**	**0.0944**	**0.0000**	**294.1188**

3.4 Grading - 2022

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	3.5800e-003	2.5400e-003	0.0253	7.0000e-005	8.6000e-003	6.0000e-005	8.6500e-003	2.2800e-003	5.0000e-005	2.3400e-003	0.0000	6.7549	6.7549	1.8000e-004	0.0000	6.7593
Total	**3.5800e-003**	**2.5400e-003**	**0.0253**	**7.0000e-005**	**8.6000e-003**	**6.0000e-005**	**8.6500e-003**	**2.2800e-003**	**5.0000e-005**	**2.3400e-003**	**0.0000**	**6.7549**	**6.7549**	**1.8000e-004**	**0.0000**	**6.7593**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1305	1.1946	1.2518	2.0600e-003		0.0619	0.0619		0.0582	0.0582	0.0000	177.2698	177.2698	0.0425	0.0000	178.3315
Total	**0.1305**	**1.1946**	**1.2518**	**2.0600e-003**		**0.0619**	**0.0619**		**0.0582**	**0.0582**	**0.0000**	**177.2698**	**177.2698**	**0.0425**	**0.0000**	**178.3315**

3.5 Building Construction - 2022

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	0.0779	2.5362	0.7399	6.6500e-003	0.1726	7.0700e-003	0.1797	0.0498	6.7600e-003	0.0566	0.0000	650.6152	650.6152	0.0457	0.0000	651.7586
Worker	0.3108	0.2202	2.1950	6.4800e-003	0.7455	4.8700e-003	0.7504	0.1981	4.4800e-003	0.2026	0.0000	585.8093	585.8093	0.0153	0.0000	586.1912
Total	**0.3887**	**2.7564**	**2.9349**	**0.0131**	**0.9181**	**0.0119**	**0.9301**	**0.2479**	**0.0112**	**0.2591**	**0.0000**	**1,236.4246**	**1,236.4246**	**0.0610**	**0.0000**	**1,237.9498**

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	0.1305	1.1946	1.2518	2.0600e-003		0.0619	0.0619		0.0582	0.0582	0.0000	177.2696	177.2696	0.0425	0.0000	178.3313
Total	**0.1305**	**1.1946**	**1.2518**	**2.0600e-003**		**0.0619**	**0.0619**		**0.0582**	**0.0582**	**0.0000**	**177.2696**	**177.2696**	**0.0425**	**0.0000**	**178.3313**

3.5 Building Construction - 2022

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	0.0779	2.5362	0.7399	6.6500e-003	0.1726	7.0700e-003	0.1797	0.0498	6.7600e-003	0.0566	0.0000	650.6152	650.6152	0.0457	0.0000	651.7586
Worker	0.3108	0.2202	2.1950	6.4800e-003	0.7455	4.8700e-003	0.7504	0.1981	4.4800e-003	0.2026	0.0000	585.8093	585.8093	0.0153	0.0000	586.1912
Total	**0.3887**	**2.7564**	**2.9349**	**0.0131**	**0.9181**	**0.0119**	**0.9301**	**0.2479**	**0.0112**	**0.2591**	**0.0000**	**1,236.4246**	**1,236.4246**	**0.0610**	**0.0000**	**1,237.9498**

3.5 Building Construction - 2023

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

3.5 Building Construction - 2023

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	0.1002	3.4020	1.1294	0.0110	0.2934	5.2000e-003	0.2986	0.0847	4.9700e-003	0.0896	0.0000	1,083.6552	1,083.6552	0.0716	0.0000	1,085.4459
Worker	0.4966	0.3367	3.4238	0.0106	1.2669	8.0700e-003	1.2749	0.3366	7.4300e-003	0.3440	0.0000	958.0305	958.0305	0.0233	0.0000	958.6121
Total	**0.5968**	**3.7387**	**4.5531**	**0.0216**	**1.5602**	**0.0133**	**1.5735**	**0.4212**	**0.0124**	**0.4337**	**0.0000**	**2,041.6857**	**2,041.6857**	**0.0949**	**0.0000**	**2,044.0580**

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.5 Building Construction - 2023

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	0.1002	3.4020	1.1294	0.0110	0.2934	5.2000e-003	0.2986	0.0847	4.9700e-003	0.0896	0.0000	1,083.6552	1,083.6552	0.0716	0.0000	1,085.4459
Worker	0.4966	0.3367	3.4238	0.0106	1.2669	8.0700e-003	1.2749	0.3366	7.4300e-003	0.3440	0.0000	958.0305	958.0305	0.0233	0.0000	958.6121
Total	**0.5968**	**3.7387**	**4.5531**	**0.0216**	**1.5602**	**0.0133**	**1.5735**	**0.4212**	**0.0124**	**0.4337**	**0.0000**	**2,041.6857**	**2,041.6857**	**0.0949**	**0.0000**	**2,044.0580**

3.5 Building Construction - 2024

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

3.5 Building Construction - 2024

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	0.0966	3.3614	1.0885	0.0111	0.2957	4.9500e-003	0.3006	0.0853	4.7400e-003	0.0901	0.0000	1,086.1243	1,086.1243	0.0724	0.0000	1,087.9342
Worker	0.4725	0.3067	3.1912	0.0103	1.2766	7.9700e-003	1.2846	0.3392	7.3400e-003	0.3465	0.0000	929.9649	929.9649	0.0212	0.0000	930.4944
Total	**0.5690**	**3.6680**	**4.2798**	**0.0213**	**1.5723**	**0.0129**	**1.5852**	**0.4245**	**0.0121**	**0.4366**	**0.0000**	**2,016.0893**	**2,016.0893**	**0.0936**	**0.0000**	**2,018.4286**

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

3.5 Building Construction - 2024

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	0.0966	3.3614	1.0885	0.0111	0.2957	4.9500e-003	0.3006	0.0853	4.7400e-003	0.0901	0.0000	1,086.1243	1,086.1243	0.0724	0.0000	1,087.9342
Worker	0.4725	0.3067	3.1912	0.0103	1.2766	7.9700e-003	1.2846	0.3392	7.3400e-003	0.3465	0.0000	929.9649	929.9649	0.0212	0.0000	930.4944
Total	**0.5690**	**3.6680**	**4.2798**	**0.0213**	**1.5723**	**0.0129**	**1.5852**	**0.4245**	**0.0121**	**0.4366**	**0.0000**	**2,016.0893**	**2,016.0893**	**0.0936**	**0.0000**	**2,018.4286**

3.5 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2025

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	0.0923	3.2810	1.0482	0.0109	0.2946	4.6700e-003	0.2992	0.0850	4.4700e-003	0.0895	0.0000	1,075.5758	1,075.5758	0.0724	0.0000	1,077.3846
Worker	0.4462	0.2774	2.9392	9.8300e-003	1.2717	7.7900e-003	1.2795	0.3379	7.1700e-003	0.3451	0.0000	889.4155	889.4155	0.0191	0.0000	889.8928
Total	**0.5385**	**3.5584**	**3.9874**	**0.0208**	**1.5663**	**0.0125**	**1.5787**	**0.4229**	**0.0116**	**0.4345**	**0.0000**	**1,964.9913**	**1,964.9913**	**0.0914**	**0.0000**	**1,967.2774**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

3.5 Building Construction - 2025

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	0.0923	3.2810	1.0482	0.0109	0.2946	4.6700e-003	0.2992	0.0850	4.4700e-003	0.0895	0.0000	1,075.5758	1,075.5758	0.0724	0.0000	1,077.3846
Worker	0.4462	0.2774	2.9392	9.8300e-003	1.2717	7.7900e-003	1.2795	0.3379	7.1700e-003	0.3451	0.0000	889.4155	889.4155	0.0191	0.0000	889.8928
Total	**0.5385**	**3.5584**	**3.9874**	**0.0208**	**1.5663**	**0.0125**	**1.5787**	**0.4229**	**0.0116**	**0.4345**	**0.0000**	**1,964.9913**	**1,964.9913**	**0.0914**	**0.0000**	**1,967.2774**

3.5 Building Construction - 2026

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2026

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	0.0889	3.2189	1.0181	0.0109	0.2946	4.4400e-003	0.2990	0.0850	4.2500e-003	0.0893	0.0000	1,069.6188	1,069.6188	0.0725	0.0000	1,071.4308
Worker	0.4245	0.2532	2.7196	9.4600e-003	1.2717	7.5000e-003	1.2792	0.3379	6.9000e-003	0.3448	0.0000	855.4534	855.4534	0.0173	0.0000	855.8847
Total	**0.5134**	**3.4720**	**3.7377**	**0.0203**	**1.5663**	**0.0119**	**1.5782**	**0.4229**	**0.0112**	**0.4340**	**0.0000**	**1,925.0722**	**1,925.0722**	**0.0897**	**0.0000**	**1,927.3155**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

3.5 Building Construction - 2026

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	0.0889	3.2189	1.0181	0.0109	0.2946	4.4400e-003	0.2990	0.0850	4.2500e-003	0.0893	0.0000	1,069.6188	1,069.6188	0.0725	0.0000	1,071.4308
Worker	0.4245	0.2532	2.7196	9.4600e-003	1.2717	7.5000e-003	1.2792	0.3379	6.9000e-003	0.3448	0.0000	855.4534	855.4534	0.0173	0.0000	855.8847
Total	**0.5134**	**3.4720**	**3.7377**	**0.0203**	**1.5663**	**0.0119**	**1.5782**	**0.4229**	**0.0112**	**0.4340**	**0.0000**	**1,925.0722**	**1,925.0722**	**0.0897**	**0.0000**	**1,927.3155**

3.5 Building Construction - 2027

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2027

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	0.0860	3.1599	0.9931	0.0108	0.2946	4.2400e-003	0.2988	0.0850	4.0500e-003	0.0891	0.0000	1,064.0271	1,064.0271	0.0725	0.0000	1,065.8405
Worker	0.4033	0.2315	2.5347	9.1400e-003	1.2717	7.1000e-003	1.2788	0.3379	6.5300e-003	0.3444	0.0000	826.7472	826.7472	0.0157	0.0000	827.1397
Total	**0.4893**	**3.3914**	**3.5277**	**0.0199**	**1.5663**	**0.0113**	**1.5776**	**0.4229**	**0.0106**	**0.4335**	**0.0000**	**1,890.7743**	**1,890.7743**	**0.0882**	**0.0000**	**1,892.9802**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

3.5 Building Construction - 2027

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	0.0860	3.1599	0.9931	0.0108	0.2946	4.2400e-003	0.2988	0.0850	4.0500e-003	0.0891	0.0000	1,064.0271	1,064.0271	0.0725	0.0000	1,065.8405
Worker	0.4033	0.2315	2.5347	9.1400e-003	1.2717	7.1000e-003	1.2788	0.3379	6.5300e-003	0.3444	0.0000	826.7472	826.7472	0.0157	0.0000	827.1397
Total	**0.4893**	**3.3914**	**3.5277**	**0.0199**	**1.5663**	**0.0113**	**1.5776**	**0.4229**	**0.0106**	**0.4335**	**0.0000**	**1,890.7743**	**1,890.7743**	**0.0882**	**0.0000**	**1,892.9802**

3.5 Building Construction - 2028

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4953**	**301.4953**	**0.0709**	**0.0000**	**303.2671**

3.5 Building Construction - 2028

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	0.0832	3.0984	0.9713	0.0107	0.2935	4.0400e-003	0.2975	0.0847	3.8600e-003	0.0886	0.0000	1,055.2983	1,055.2983	0.0723	0.0000	1,057.1049
Worker	0.3798	0.2116	2.3643	8.8200e-003	1.2669	6.5600e-003	1.2734	0.3366	6.0400e-003	0.3426	0.0000	798.4051	798.4051	0.0143	0.0000	798.7631
Total	**0.4630**	**3.3100**	**3.3356**	**0.0195**	**1.5603**	**0.0106**	**1.5709**	**0.4213**	**9.9000e-003**	**0.4312**	**0.0000**	**1,853.7034**	**1,853.7034**	**0.0866**	**0.0000**	**1,855.8680**

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4949**	**301.4949**	**0.0709**	**0.0000**	**303.2667**

3.5 Building Construction - 2028

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	0.0832	3.0984	0.9713	0.0107	0.2935	4.0400e-003	0.2975	0.0847	3.8600e-003	0.0886	0.0000	1,055.2983	1,055.2983	0.0723	0.0000	1,057.1049
Worker	0.3798	0.2116	2.3643	8.8200e-003	1.2669	6.5600e-003	1.2734	0.3366	6.0400e-003	0.3426	0.0000	798.4051	798.4051	0.0143	0.0000	798.7631
Total	**0.4630**	**3.3100**	**3.3356**	**0.0195**	**1.5603**	**0.0106**	**1.5709**	**0.4213**	**9.9000e-003**	**0.4312**	**0.0000**	**1,853.7034**	**1,853.7034**	**0.0866**	**0.0000**	**1,855.8680**

3.5 Building Construction - 2029

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

3.5 Building Construction - 2029

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	0.0813	3.0625	0.9589	0.0107	0.2946	3.8800e-003	0.2985	0.0850	3.7100e-003	0.0887	0.0000	1,054.8948	1,054.8948	0.0726	0.0000	1,056.7089
Worker	0.3570	0.1945	2.2180	8.6100e-003	1.2717	6.1100e-003	1.2778	0.3379	5.6200e-003	0.3435	0.0000	779.1813	779.1813	0.0131	0.0000	779.5089
Total	**0.4383**	**3.2570**	**3.1770**	**0.0193**	**1.5663**	**9.9900e-003**	**1.5763**	**0.4229**	**9.3300e-003**	**0.4322**	**0.0000**	**1,834.0761**	**1,834.0761**	**0.0857**	**0.0000**	**1,836.2178**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

3.5 Building Construction - 2029

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	0.0813	3.0625	0.9589	0.0107	0.2946	3.8800e-003	0.2985	0.0850	3.7100e-003	0.0887	0.0000	1,054.8948	1,054.8948	0.0726	0.0000	1,056.7089
Worker	0.3570	0.1945	2.2180	8.6100e-003	1.2717	6.1100e-003	1.2778	0.3379	5.6200e-003	0.3435	0.0000	779.1813	779.1813	0.0131	0.0000	779.5089
Total	**0.4383**	**3.2570**	**3.1770**	**0.0193**	**1.5663**	**9.9900e-003**	**1.5763**	**0.4229**	**9.3300e-003**	**0.4322**	**0.0000**	**1,834.0761**	**1,834.0761**	**0.0857**	**0.0000**	**1,836.2178**

3.5 Building Construction - 2030

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

3.5 Building Construction - 2030

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	0.0795	3.0207	0.9475	0.0106	0.2946	3.7200e-003	0.2984	0.0850	3.5600e-003	0.0886	0.0000	1,051.1832	1,051.1832	0.0725	0.0000	1,052.9965
Worker	0.3328	0.1782	2.0781	8.3900e-003	1.2717	5.6900e-003	1.2774	0.3379	5.2300e-003	0.3431	0.0000	759.5559	759.5559	0.0120	0.0000	759.8551
Total	**0.4124**	**3.1990**	**3.0256**	**0.0190**	**1.5664**	**9.4100e-003**	**1.5758**	**0.4229**	**8.7900e-003**	**0.4317**	**0.0000**	**1,810.7391**	**1,810.7391**	**0.0845**	**0.0000**	**1,812.8516**

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

3.5 Building Construction - 2030

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	0.0795	3.0207	0.9475	0.0106	0.2946	3.7200e-003	0.2984	0.0850	3.5600e-003	0.0886	0.0000	1,051.1832	1,051.1832	0.0725	0.0000	1,052.9965
Worker	0.3328	0.1782	2.0781	8.3900e-003	1.2717	5.6900e-003	1.2774	0.3379	5.2300e-003	0.3431	0.0000	759.5559	759.5559	0.0120	0.0000	759.8551
Total	**0.4124**	**3.1990**	**3.0256**	**0.0190**	**1.5664**	**9.4100e-003**	**1.5758**	**0.4229**	**8.7900e-003**	**0.4317**	**0.0000**	**1,810.7391**	**1,810.7391**	**0.0845**	**0.0000**	**1,812.8516**

3.5 Building Construction - 2031

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

3.5 Building Construction - 2031

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	0.0784	2.9916	0.9411	0.0106	0.2946	3.6100e-003	0.2982	0.0850	3.4500e-003	0.0885	0.0000	1,049.1832	1,049.1832	0.0725	0.0000	1,050.9967
Worker	0.3056	0.1625	1.9453	8.2200e-003	1.2717	5.3200e-003	1.2771	0.3379	4.9000e-003	0.3428	0.0000	744.1799	744.1799	0.0109	0.0000	744.4529
Total	**0.3840**	**3.1540**	**2.8864**	**0.0188**	**1.5664**	**8.9300e-003**	**1.5753**	**0.4229**	**8.3500e-003**	**0.4313**	**0.0000**	**1,793.3630**	**1,793.3630**	**0.0835**	**0.0000**	**1,795.4496**

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

3.5 Building Construction - 2031

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	0.0784	2.9916	0.9411	0.0106	0.2946	3.6100e-003	0.2982	0.0850	3.4500e-003	0.0885	0.0000	1,049.1832	1,049.1832	0.0725	0.0000	1,050.9967
Worker	0.3056	0.1625	1.9453	8.2200e-003	1.2717	5.3200e-003	1.2771	0.3379	4.9000e-003	0.3428	0.0000	744.1799	744.1799	0.0109	0.0000	744.4529
Total	**0.3840**	**3.1540**	**2.8864**	**0.0188**	**1.5664**	**8.9300e-003**	**1.5753**	**0.4229**	**8.3500e-003**	**0.4313**	**0.0000**	**1,793.3630**	**1,793.3630**	**0.0835**	**0.0000**	**1,795.4496**

3.5 Building Construction - 2032

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	**0.1715**	**1.0394**	**2.1166**	**4.0600e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**344.3479**	**344.3479**	**0.0138**	**0.0000**	**344.6933**

3.5 Building Construction - 2032

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	0.0774	2.9681	0.9389	0.0106	0.2958	3.5000e-003	0.2993	0.0854	3.3400e-003	0.0887	0.0000	1,050.8731	1,050.8731	0.0728	0.0000	1,052.6930
Worker	0.2825	0.1493	1.8314	8.0800e-003	1.2766	4.9800e-003	1.2816	0.3392	4.5800e-003	0.3438	0.0000	731.8893	731.8893	0.0100	0.0000	732.1392
Total	**0.3599**	**3.1174**	**2.7703**	**0.0187**	**1.5724**	**8.4800e-003**	**1.5808**	**0.4245**	**7.9200e-003**	**0.4325**	**0.0000**	**1,782.7624**	**1,782.7624**	**0.0828**	**0.0000**	**1,784.8322**

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	**0.1715**	**1.0394**	**2.1166**	**4.0600e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**344.3475**	**344.3475**	**0.0138**	**0.0000**	**344.6929**

3.5 Building Construction - 2032

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	0.0774	2.9681	0.9389	0.0106	0.2958	3.5000e-003	0.2993	0.0854	3.3400e-003	0.0887	0.0000	1,050.8731	1,050.8731	0.0728	0.0000	1,052.6930
Worker	0.2825	0.1493	1.8314	8.0800e-003	1.2766	4.9800e-003	1.2816	0.3392	4.5800e-003	0.3438	0.0000	731.8893	731.8893	0.0100	0.0000	732.1392
Total	**0.3599**	**3.1174**	**2.7703**	**0.0187**	**1.5724**	**8.4800e-003**	**1.5808**	**0.4245**	**7.9200e-003**	**0.4325**	**0.0000**	**1,782.7624**	**1,782.7624**	**0.0828**	**0.0000**	**1,784.8322**

3.5 Building Construction - 2033

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	**0.1702**	**1.0315**	**2.1004**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.7193**	**341.7193**	**0.0137**	**0.0000**	**342.0621**

3.5 Building Construction - 2033

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	0.0759	2.9142	0.9277	0.0105	0.2935	3.3600e-003	0.2969	0.0847	3.2100e-003	0.0879	0.0000	1,040.9555	1,040.9555	0.0722	0.0000	1,042.7612
Worker	0.2597	0.1367	1.7142	7.8700e-003	1.2669	4.6200e-003	1.2715	0.3366	4.2500e-003	0.3408	0.0000	713.2872	713.2872	9.1100e-003	0.0000	713.5149
Total	**0.3356**	**3.0509**	**2.6420**	**0.0184**	**1.5604**	**7.9800e-003**	**1.5684**	**0.4213**	**7.4600e-003**	**0.4288**	**0.0000**	**1,754.2427**	**1,754.2427**	**0.0813**	**0.0000**	**1,756.2761**

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	**0.1702**	**1.0315**	**2.1004**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.7189**	**341.7189**	**0.0137**	**0.0000**	**342.0617**

3.5 Building Construction - 2033

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	0.0759	2.9142	0.9277	0.0105	0.2935	3.3600e-003	0.2969	0.0847	3.2100e-003	0.0879	0.0000	1,040.9555	1,040.9555	0.0722	0.0000	1,042.7612
Worker	0.2597	0.1367	1.7142	7.8700e-003	1.2669	4.6200e-003	1.2715	0.3366	4.2500e-003	0.3408	0.0000	713.2872	713.2872	9.1100e-003	0.0000	713.5149
Total	**0.3356**	**3.0509**	**2.6420**	**0.0184**	**1.5604**	**7.9800e-003**	**1.5684**	**0.4213**	**7.4600e-003**	**0.4288**	**0.0000**	**1,754.2427**	**1,754.2427**	**0.0813**	**0.0000**	**1,756.2761**

3.5 Building Construction - 2034

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	0.0504	0.3055	0.6220	1.1900e-003		5.7000e-003	5.7000e-003		5.7000e-003	5.7000e-003	0.0000	101.2015	101.2015	4.0600e-003	0.0000	101.3030
Total	**0.0504**	**0.3055**	**0.6220**	**1.1900e-003**		**5.7000e-003**	**5.7000e-003**		**5.7000e-003**	**5.7000e-003**	**0.0000**	**101.2015**	**101.2015**	**4.0600e-003**	**0.0000**	**101.3030**

3.5 Building Construction - 2034

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	0.0222	0.8553	0.2736	3.1000e-003	0.0869	9.7000e-004	0.0879	0.0251	9.3000e-004	0.0260	0.0000	307.8434	307.8434	0.0214	0.0000	308.3780
Worker	0.0718	0.0376	0.4790	2.2900e-003	0.3752	1.2800e-003	0.3765	0.0997	1.1800e-003	0.1009	0.0000	207.9018	207.9018	2.4700e-003	0.0000	207.9637
Total	**0.0940**	**0.8929**	**0.7526**	**5.3900e-003**	**0.4621**	**2.2500e-003**	**0.4644**	**0.1248**	**2.1100e-003**	**0.1269**	**0.0000**	**515.7452**	**515.7452**	**0.0239**	**0.0000**	**516.3417**

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	0.0504	0.3055	0.6220	1.1900e-003		5.7000e-003	5.7000e-003		5.7000e-003	5.7000e-003	0.0000	101.2014	101.2014	4.0600e-003	0.0000	101.3029
Total	**0.0504**	**0.3055**	**0.6220**	**1.1900e-003**		**5.7000e-003**	**5.7000e-003**		**5.7000e-003**	**5.7000e-003**	**0.0000**	**101.2014**	**101.2014**	**4.0600e-003**	**0.0000**	**101.3029**

3.5 Building Construction - 2034

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	0.0222	0.8553	0.2736	3.1000e-003	0.0869	9.7000e-004	0.0879	0.0251	9.3000e-004	0.0260	0.0000	307.8434	307.8434	0.0214	0.0000	308.3780
Worker	0.0718	0.0376	0.4790	2.2900e-003	0.3752	1.2800e-003	0.3765	0.0997	1.1800e-003	0.1009	0.0000	207.9018	207.9018	2.4700e-003	0.0000	207.9637
Total	**0.0940**	**0.8929**	**0.7526**	**5.3900e-003**	**0.4621**	**2.2500e-003**	**0.4644**	**0.1248**	**2.1100e-003**	**0.1269**	**0.0000**	**515.7452**	**515.7452**	**0.0239**	**0.0000**	**516.3417**

3.6 Paving - 2034

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	0.1267	0.6515	1.4502	2.5700e-003		0.0303	0.0303		0.0303	0.0303	0.0000	220.5106	220.5106	0.0103	0.0000	220.7690
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1267**	**0.6515**	**1.4502**	**2.5700e-003**		**0.0303**	**0.0303**		**0.0303**	**0.0303**	**0.0000**	**220.5106**	**220.5106**	**0.0103**	**0.0000**	**220.7690**

3.6 Paving - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.1100e-003	0.0141	7.0000e-005	0.0110	4.0000e-005	0.0111	2.9300e-003	3.0000e-005	2.9600e-003	0.0000	6.1101	6.1101	7.0000e-005	0.0000	6.1119
Total	**2.1100e-003**	**1.1100e-003**	**0.0141**	**7.0000e-005**	**0.0110**	**4.0000e-005**	**0.0111**	**2.9300e-003**	**3.0000e-005**	**2.9600e-003**	**0.0000**	**6.1101**	**6.1101**	**7.0000e-005**	**0.0000**	**6.1119**

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	0.1267	0.6515	1.4502	2.5700e-003		0.0303	0.0303		0.0303	0.0303	0.0000	220.5103	220.5103	0.0103	0.0000	220.7687
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1267**	**0.6515**	**1.4502**	**2.5700e-003**		**0.0303**	**0.0303**		**0.0303**	**0.0303**	**0.0000**	**220.5103**	**220.5103**	**0.0103**	**0.0000**	**220.7687**

3.6 Paving - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	1.1100e-003	0.0141	7.0000e-005	0.0110	4.0000e-005	0.0111	2.9300e-003	3.0000e-005	2.9600e-003	0.0000	6.1101	6.1101	7.0000e-005	0.0000	6.1119
Total	**2.1100e-003**	**1.1100e-003**	**0.0141**	**7.0000e-005**	**0.0110**	**4.0000e-005**	**0.0111**	**2.9300e-003**	**3.0000e-005**	**2.9600e-003**	**0.0000**	**6.1101**	**6.1101**	**7.0000e-005**	**0.0000**	**6.1119**

3.6 Paving - 2035

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	0.0211	0.0902	0.2927	5.2000e-004		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	44.5841	44.5841	1.7200e-003	0.0000	44.6270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0211**	**0.0902**	**0.2927**	**5.2000e-004**		**3.4700e-003**	**3.4700e-003**		**3.4700e-003**	**3.4700e-003**	**0.0000**	**44.5841**	**44.5841**	**1.7200e-003**	**0.0000**	**44.6270**

3.6 Paving - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.1000e-004	2.7000e-003	1.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.2185	1.2185	1.0000e-005	0.0000	1.2188
Total	**4.0000e-004**	**2.1000e-004**	**2.7000e-003**	**1.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2400e-003**	**5.9000e-004**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**1.2185**	**1.2185**	**1.0000e-005**	**0.0000**	**1.2188**

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	0.0211	0.0902	0.2927	5.2000e-004		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	44.5841	44.5841	1.7200e-003	0.0000	44.6269
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0211**	**0.0902**	**0.2927**	**5.2000e-004**		**3.4700e-003**	**3.4700e-003**		**3.4700e-003**	**3.4700e-003**	**0.0000**	**44.5841**	**44.5841**	**1.7200e-003**	**0.0000**	**44.6269**

3.6 Paving - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.1000e-004	2.7000e-003	1.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.2185	1.2185	1.0000e-005	0.0000	1.2188
Total	**4.0000e-004**	**2.1000e-004**	**2.7000e-003**	**1.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2400e-003**	**5.9000e-004**	**1.0000e-005**	**6.0000e-004**	**0.0000**	**1.2185**	**1.2185**	**1.0000e-005**	**0.0000**	**1.2188**

3.7 Architectural Coating - 2035

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	26.7728					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	**26.7858**	**0.0834**	**0.1974**	**3.3000e-004**		**1.0900e-003**	**1.0900e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**28.0858**	**28.0858**	**1.0400e-003**	**0.0000**	**28.1117**

3.7 Architectural Coating - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0386	0.0203	0.2604	1.3000e-003	0.2147	6.9000e-004	0.2154	0.0571	6.3000e-004	0.0577	0.0000	117.3687	117.3687	1.3100e-003	0.0000	117.4014
Total	**0.0386**	**0.0203**	**0.2604**	**1.3000e-003**	**0.2147**	**6.9000e-004**	**0.2154**	**0.0571**	**6.3000e-004**	**0.0577**	**0.0000**	**117.3687**	**117.3687**	**1.3100e-003**	**0.0000**	**117.4014**

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	26.7728					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	**26.7858**	**0.0834**	**0.1974**	**3.3000e-004**		**1.0900e-003**	**1.0900e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**28.0858**	**28.0858**	**1.0400e-003**	**0.0000**	**28.1117**

3.7 Architectural Coating - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0386	0.0203	0.2604	1.3000e-003	0.2147	6.9000e-004	0.2154	0.0571	6.3000e-004	0.0577	0.0000	117.3687	117.3687	1.3100e-003	0.0000	117.4014
Total	**0.0386**	**0.0203**	**0.2604**	**1.3000e-003**	**0.2147**	**6.9000e-004**	**0.2154**	**0.0571**	**6.3000e-004**	**0.0577**	**0.0000**	**117.3687**	**117.3687**	**1.3100e-003**	**0.0000**	**117.4014**

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	2.1989	10.4003	26.1119	0.1225	15.5796	0.0654	15.6449	4.1680	0.0607	4.2287	0.0000	11,370.1850	11,370.1850	0.4068	0.0000	11,380.3557
Unmitigated	2.1989	10.4003	26.1119	0.1225	15.5796	0.0654	15.6449	4.1680	0.0607	4.2287	0.0000	11,370.1850	11,370.1850	0.4068	0.0000	11,380.3557

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,153.28	5,153.28	5153.28	14,501,587	14,501,587
City Park	950.00	950.00	950.00	2,028,110	2,028,110
Junior High School	1,704.00	1,704.00	1704.00	3,830,923	3,830,923
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	4,933.17	4,933.17	4933.17	8,649,351	8,649,351
Single Family Housing	4,380.16	4,380.16	4380.16	12,325,989	12,325,989
Total	17,120.61	17,120.61	17,120.61	41,335,960	41,335,960

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
Apartments Mid Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Apartments Mid Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
City Park	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Junior High School	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Other Non-Asphalt Surfaces	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Regional Shopping Center	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Single Family Housing	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,491.4467	2,491.4467	0.1127	0.0233	2,501.2089
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,491.4467	2,491.4467	0.1127	0.0233	2,501.2089
NaturalGas Mitigated	0.1165	1.0019	0.4679	6.3600e-003		0.0805	0.0805		0.0805	0.0805	0.0000	1,153.3176	1,153.3176	0.0221	0.0211	1,160.1712
NaturalGas Unmitigated	0.1165	1.0019	0.4679	6.3600e-003		0.0805	0.0805		0.0805	0.0805	0.0000	1,153.3176	1,153.3176	0.0221	0.0211	1,160.1712

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					
Apartments Mid Rise	6.08217e+006	0.0328	0.2803	0.1193	1.7900e-003		0.0227	0.0227		0.0227	0.0227	0.0000	324.5679	324.5679	6.2200e-003	5.9500e-003	326.4967
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	1.73427e+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	92.5473	92.5473	1.7700e-003	1.7000e-003	93.0972
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	309712	1.6700e-003	0.0152	0.0128	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.5274	16.5274	3.2000e-004	3.0000e-004	16.6256
Single Family Housing	1.34862e+007	0.0727	0.6214	0.2644	3.9700e-003		0.0502	0.0502		0.0502	0.0502	0.0000	719.6751	719.6751	0.0138	0.0132	723.9518
Total		**0.1165**	**1.0019**	**0.4679**	**6.3600e-003**		**0.0805**	**0.0805**		**0.0805**	**0.0805**	**0.0000**	**1,153.3176**	**1,153.3176**	**0.0221**	**0.0211**	**1,160.1712**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	6.08217e+006	0.0328	0.2803	0.1193	1.7900e-003		0.0227	0.0227		0.0227	0.0227	0.0000	324.5679	324.5679	6.2200e-003	5.9500e-003	326.4967
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	1.73427e+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	92.5473	92.5473	1.7700e-003	1.7000e-003	93.0972
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	309712	1.6700e-003	0.0152	0.0128	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.5274	16.5274	3.2000e-004	3.0000e-004	16.6256
Single Family Housing	1.34862e+007	0.0727	0.6214	0.2644	3.9700e-003		0.0502	0.0502		0.0502	0.0502	0.0000	719.6751	719.6751	0.0138	0.0132	723.9518
Total		**0.1165**	**1.0019**	**0.4679**	**6.3600e-003**		**0.0805**	**0.0805**		**0.0805**	**0.0805**	**0.0000**	**1,153.3176**	**1,153.3176**	**0.0221**	**0.0211**	**1,160.1712**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.90636e+006	845.4930	0.0382	7.9100e-003	848.8059
City Park	0	0.0000	0.0000	0.0000	0.0000
Junior High School	506926	147.4706	6.6700e-003	1.3800e-003	148.0484
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.39697e+006	406.3944	0.0184	3.8000e-003	407.9867
Single Family Housing	3.75402e+006	1,092.0888	0.0494	0.0102	1,096.3679
Total		**2,491.4467**	**0.1127**	**0.0233**	**2,501.2089**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.90636e+006	845.4930	0.0382	7.9100e-003	848.8059
City Park	0	0.0000	0.0000	0.0000	0.0000
Junior High School	506926	147.4706	6.6700e-003	1.3800e-003	148.0484
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.39697e+006	406.3944	0.0184	3.8000e-003	407.9867
Single Family Housing	3.75402e+006	1,092.0888	0.0494	0.0102	1,096.3679
Total		**2,491.4467**	**0.1127**	**0.0233**	**2,501.2089**

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	9.8502	0.0998	8.6508	4.6000e-004		0.0481	0.0481		0.0481	0.0481	0.0000	14.1835	14.1835	0.0135	0.0000	14.5218
Unmitigated	9.8502	0.0998	8.6508	4.6000e-004		0.0481	0.0481		0.0481	0.0481	0.0000	14.1835	14.1835	0.0135	0.0000	14.5218

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	2.6773					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.9137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2592	0.0998	8.6508	4.6000e-004		0.0481	0.0481		0.0481	0.0481	0.0000	14.1835	14.1835	0.0135	0.0000	14.5218
Total	**9.8502**	**0.0998**	**8.6508**	**4.6000e-004**		**0.0481**	**0.0481**		**0.0481**	**0.0481**	**0.0000**	**14.1835**	**14.1835**	**0.0135**	**0.0000**	**14.5218**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6773					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.9137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2592	0.0998	8.6508	4.6000e-004		0.0481	0.0481		0.0481	0.0481	0.0000	14.1835	14.1835	0.0135	0.0000	14.5218
Total	**9.8502**	**0.0998**	**8.6508**	**4.6000e-004**		**0.0481**	**0.0481**		**0.0481**	**0.0481**	**0.0000**	**14.1835**	**14.1835**	**0.0135**	**0.0000**	**14.5218**

7.0 Water Detail

7.1 Mitigation Measures Water

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	248.9268	2.8683	0.0696	341.3638
Unmitigated	248.9268	2.8683	0.0696	341.3638

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	45.8684 / 28.9171	116.1975	1.4992	0.0362	164.4782
City Park	0 / 22.6381	23.0499	1.0400e-003	2.2000e-004	23.1403
Junior High School	1.93939 / 4.98701	8.7458	0.0636	1.5700e-003	10.8023
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.6798 / 5.93278	24.3488	0.3164	7.6500e-003	34.5370
Single Family Housing	30.2315 / 19.059	76.5847	0.9881	0.0239	108.4061
Total		**248.9268**	**2.8683**	**0.0696**	**341.3638**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	45.8684 / 28.9171	116.1975	1.4992	0.0362	164.4782
City Park	0 / 22.6381	23.0499	1.0400e-003	2.2000e-004	23.1403
Junior High School	1.93939 / 4.98701	8.7458	0.0636	1.5700e-003	10.8023
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.6798 / 5.93278	24.3488	0.3164	7.6500e-003	34.5370
Single Family Housing	30.2315 / 19.059	76.5847	0.9881	0.0239	108.4061
Total		**248.9268**	**2.8683**	**0.0696**	**341.3638**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	233.9978	13.8289	0.0000	579.7197
Unmitigated	233.9978	13.8289	0.0000	579.7197

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	323.84	65.7366	3.8849	0.0000	162.8596
City Park	1.63	0.3309	0.0196	0.0000	0.8197
Junior High School	146	29.6367	1.7515	0.0000	73.4236
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	137.21	27.8524	1.6460	0.0000	69.0031
Single Family Housing	544.07	110.4413	6.5269	0.0000	273.6136
Total		**233.9978**	**13.8289**	**0.0000**	**579.7197**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	323.84	65.7366	3.8849	0.0000	162.8596
City Park	1.63	0.3309	0.0196	0.0000	0.8197
Junior High School	146	29.6367	1.7515	0.0000	73.4236
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	137.21	27.8524	1.6460	0.0000	69.0031
Single Family Housing	544.07	110.4413	6.5269	0.0000	273.6136
Total		**233.9978**	**13.8289**	**0.0000**	**579.7197**

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

Proposed Blosser SE Specific Plan

South Central Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
	0.00		0.00	0.00	0
Junior High School	800.00	Student	21.00	94,049.35	0
Other Non-Asphalt Surfaces	6.00	Acre	6.00	261,360.00	0
City Park	19.00	Acre	19.00	827,640.00	0
Apartments Mid Rise	704.00	Dwelling Unit	32.00	704,000.00	2013
Single Family Housing	464.00	Dwelling Unit	58.00	835,200.00	1327
Regional Shopping Center	130.68	1000sqft	10.00	130,680.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.9	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - LU acreages based on Specific Plan and unit amounts equivalent to Traffic Study. "Other Non-Asphalt Surfaces" represents basin area.

Demolition -

Vehicle Trips - Trip rates based on Traffic Study (ATE 2019).

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	2.16	21.00
tblLandUse	LotAcreage	18.53	32.00
tblLandUse	LotAcreage	150.65	58.00
tblLandUse	LotAcreage	3.00	10.00
tblVehicleTrips	ST_TR	6.39	7.32
tblVehicleTrips	ST_TR	22.75	50.00
tblVehicleTrips	ST_TR	0.00	2.13
tblVehicleTrips	ST_TR	49.97	37.75
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	5.86	7.32
tblVehicleTrips	SU_TR	16.74	50.00
tblVehicleTrips	SU_TR	0.00	2.13
tblVehicleTrips	SU_TR	25.24	37.75
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	6.65	7.32
tblVehicleTrips	WD_TR	1.89	50.00
tblVehicleTrips	WD_TR	1.62	2.13
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1439	42.4645	22.1932	0.0401	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,874.2053	3,874.2053	1.1960	0.0000	3,900.7621
2021	4.2612	46.4468	31.4056	0.0635	18.2141	2.0454	20.2596	9.9699	1.8818	11.8517	0.0000	6,156.7409	6,156.7409	1.9469	0.0000	6,205.4145
2022	6.6859	50.9823	54.9470	0.2025	12.2627	1.6359	13.2257	3.6401	1.5051	5.1452	0.0000	20,774.7324	20,774.7324	1.9479	0.0000	20,811.7651
2023	6.0694	42.6628	51.5739	0.1972	12.2629	0.8010	13.0638	3.3044	0.7531	4.0575	0.0000	20,259.1249	20,259.1249	1.4052	0.0000	20,294.2538
2024	5.7233	41.0023	49.1498	0.1935	12.2630	0.7112	12.9743	3.3045	0.6684	3.9729	0.0000	19,900.5263	19,900.5263	1.3844	0.0000	19,935.1366
2025	5.4039	39.3315	46.9415	0.1896	12.2632	0.6224	12.8856	3.3046	0.5848	3.8894	0.0000	19,522.2455	19,522.2455	1.3660	0.0000	19,556.3946
2026	5.2120	38.7014	45.0156	0.1861	12.2633	0.6185	12.8818	3.3046	0.5812	3.8858	0.0000	19,173.9825	19,173.9825	1.3515	0.0000	19,207.7686
2027	5.0287	38.1132	43.3971	0.1830	12.2634	0.6139	12.8773	3.3046	0.5769	3.8815	0.0000	18,874.8560	18,874.8560	1.3388	0.0000	18,908.3260
2028	4.8432	37.6113	42.0121	0.1803	12.2635	0.6087	12.8722	3.3047	0.5720	3.8767	0.0000	18,613.6682	18,613.6682	1.3276	0.0000	18,646.8587
2029	4.6435	37.1302	40.6897	0.1779	12.2636	0.6038	12.8674	3.3047	0.5674	3.8721	0.0000	18,380.3792	18,380.3792	1.3171	0.0000	18,413.3055
2030	4.3899	32.1709	39.5932	0.1798	12.2637	0.2199	12.4836	3.3048	0.2152	3.5199	0.0000	18,518.1260	18,518.1260	0.8225	0.0000	18,538.6876
2031	4.1769	31.8435	38.5223	0.1782	12.2638	0.2163	12.4800	3.3048	0.2118	3.5166	0.0000	18,366.8076	18,366.8076	0.8137	0.0000	18,387.1501
2032	3.9860	31.4887	37.5433	0.1766	12.2639	0.2126	12.4764	3.3048	0.2084	3.5132	0.0000	18,215.3454	18,215.3454	0.8054	0.0000	18,235.4792
2033	3.8235	31.1747	36.7107	0.1753	12.2639	0.2093	12.4732	3.3048	0.2053	3.5101	0.0000	18,085.1898	18,085.1898	0.7983	0.0000	18,105.1484
2034	3.6857	30.9110	35.9280	0.1741	12.2640	0.3310	12.4703	3.3048	0.3310	3.5074	0.0000	17,973.8362	17,973.8362	0.7918	0.0000	17,993.6309
2035	243.8482	4.8863	15.9729	0.0288	1.9962	0.1878	2.0123	0.5295	0.1878	0.5451	0.0000	2,731.8360	2,731.8360	0.1031	0.0000	2,734.4130
Maximum	**243.8482**	**50.9823**	**54.9470**	**0.2025**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**20,774.7324**	**20,774.7324**	**1.9479**	**0.0000**	**20,811.7651**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1439	42.4645	22.1932	0.0401	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,874.2053	3,874.2053	1.1960	0.0000	3,900.7621
2021	4.2612	46.4468	31.4056	0.0635	18.2141	2.0454	20.2596	9.9699	1.8818	11.8517	0.0000	6,156.7409	6,156.7409	1.9469	0.0000	6,205.4144
2022	6.6859	50.9823	54.9470	0.2025	12.2627	1.6359	13.2257	3.6401	1.5051	5.1452	0.0000	20,774.7324	20,774.7324	1.9479	0.0000	20,811.7651
2023	6.0694	42.6628	51.5739	0.1972	12.2629	0.8010	13.0638	3.3044	0.7531	4.0575	0.0000	20,259.1249	20,259.1249	1.4052	0.0000	20,294.2538
2024	5.7233	41.0023	49.1498	0.1935	12.2630	0.7112	12.9743	3.3045	0.6684	3.9729	0.0000	19,900.5263	19,900.5263	1.3844	0.0000	19,935.1366
2025	5.4039	39.3315	46.9415	0.1896	12.2632	0.6224	12.8856	3.3046	0.5848	3.8894	0.0000	19,522.2455	19,522.2455	1.3660	0.0000	19,556.3946
2026	5.2120	38.7014	45.0156	0.1861	12.2633	0.6185	12.8818	3.3046	0.5812	3.8858	0.0000	19,173.9825	19,173.9825	1.3515	0.0000	19,207.7686
2027	5.0287	38.1132	43.3971	0.1830	12.2634	0.6139	12.8773	3.3046	0.5769	3.8815	0.0000	18,874.8560	18,874.8560	1.3388	0.0000	18,908.3260
2028	4.8432	37.6113	42.0121	0.1803	12.2635	0.6087	12.8722	3.3047	0.5720	3.8767	0.0000	18,613.6682	18,613.6682	1.3276	0.0000	18,646.8587
2029	4.6435	37.1302	40.6897	0.1779	12.2636	0.6038	12.8674	3.3047	0.5674	3.8721	0.0000	18,380.3792	18,380.3792	1.3171	0.0000	18,413.3055
2030	4.3899	32.1709	39.5932	0.1798	12.2637	0.2199	12.4836	3.3048	0.2152	3.5199	0.0000	18,518.1260	18,518.1260	0.8225	0.0000	18,538.6876
2031	4.1769	31.8435	38.5223	0.1782	12.2638	0.2163	12.4800	3.3048	0.2118	3.5166	0.0000	18,366.8076	18,366.8076	0.8137	0.0000	18,387.1501
2032	3.9860	31.4887	37.5433	0.1766	12.2639	0.2126	12.4764	3.3048	0.2084	3.5132	0.0000	18,215.3454	18,215.3454	0.8054	0.0000	18,235.4792
2033	3.8235	31.1747	36.7107	0.1753	12.2639	0.2093	12.4732	3.3048	0.2053	3.5101	0.0000	18,085.1898	18,085.1898	0.7983	0.0000	18,105.1484
2034	3.6857	30.9110	35.9280	0.1741	12.2640	0.3310	12.4703	3.3048	0.3310	3.5074	0.0000	17,973.8362	17,973.8362	0.7918	0.0000	17,993.6309
2035	243.8482	4.8863	15.9729	0.0288	1.9962	0.1878	2.0123	0.5295	0.1878	0.5451	0.0000	2,731.8360	2,731.8360	0.1031	0.0000	2,734.4130
Maximum	**243.8482**	**50.9823**	**54.9470**	**0.2025**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**20,774.7324**	**20,774.7324**	**1.9479**	**0.0000**	**20,811.7651**

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Summer

	ROG	NOx	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

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	55.4333	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347	0.0000	173.7182	173.7182	0.1657	0.0000	177.8610
Energy	0.6386	5.4897	2.5636	0.0348		0.4412	0.4412		0.4412	0.4412		6,966.1100	6,966.1100	0.1335	0.1277	7,007.5061
Mobile	12.8778	55.8692	144.2122	0.6932	87.5045	0.3591	87.8636	23.3681	0.3337	23.7018		70,904.7627	70,904.7627	2.4460		70,965.9118
Total	**68.9496**	**62.4676**	**242.8956**	**0.7332**	**87.5045**	**1.3350**	**88.8395**	**23.3681**	**1.3096**	**24.6777**	**0.0000**	**78,044.5909**	**78,044.5909**	**2.7452**	**0.1277**	**78,151.2789**

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	55.4333	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347	0.0000	173.7182	173.7182	0.1657	0.0000	177.8610
Energy	0.6386	5.4897	2.5636	0.0348		0.4412	0.4412		0.4412	0.4412		6,966.1100	6,966.1100	0.1335	0.1277	7,007.5061
Mobile	12.8778	55.8692	144.2122	0.6932	87.5045	0.3591	87.8636	23.3681	0.3337	23.7018		70,904.7627	70,904.7627	2.4460		70,965.9118
Total	**68.9496**	**62.4676**	**242.8956**	**0.7332**	**87.5045**	**1.3350**	**88.8395**	**23.3681**	**1.3096**	**24.6777**	**0.0000**	**78,044.5909**	**78,044.5909**	**2.7452**	**0.1277**	**78,151.2789**

	ROG	NOx	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	1/1/2020	10/6/2020	5	200	
2	Site Preparation	Site Preparation	10/7/2020	3/23/2021	5	120	
3	Grading	Grading	3/24/2021	5/31/2022	5	310	
4	Building Construction	Building Construction	6/1/2022	4/18/2034	5	3100	
5	Paving	Paving	4/19/2034	2/20/2035	5	220	
6	Architectural Coating	Architectural Coating	2/21/2035	12/25/2035	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 6

Residential Indoor: 3,116,880; Residential Outdoor: 1,038,960; Non-Residential Indoor: 337,094; Non-Residential Outdoor: 112,365; Striped Parking Area: 15,682 (Architectural Coating – sqft)

OffRoad Equipment

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	25.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,213.00	340.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	243.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0277	0.0000	0.0277	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0277**	**1.6587**	**1.6864**	**4.1900e-003**	**1.5419**	**1.5460**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.7000e-004	0.0361	8.6100e-003	1.0000e-004	2.1800e-003	1.5000e-004	2.3300e-003	6.0000e-004	1.5000e-004	7.4000e-004		10.5581	10.5581	8.8000e-004		10.5800
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	0.0562	0.0393	0.4314	1.1600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.6000e-004	0.0335		115.9422	115.9422	3.4500e-003		116.0285
Total	**0.0572**	**0.0754**	**0.4400**	**1.2600e-003**	**0.1254**	**9.8000e-004**	**0.1264**	**0.0333**	**9.1000e-004**	**0.0342**		**126.5003**	**126.5003**	**4.3300e-003**		**126.6085**

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					0.0277	0.0000	0.0277	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0277**	**1.6587**	**1.6864**	**4.1900e-003**	**1.5419**	**1.5460**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.7000e-004	0.0361	8.6100e-003	1.0000e-004	2.1800e-003	1.5000e-004	2.3300e-003	6.0000e-004	1.5000e-004	7.4000e-004		10.5581	10.5581	8.8000e-004		10.5800
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	0.0562	0.0393	0.4314	1.1600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.6000e-004	0.0335		115.9422	115.9422	3.4500e-003		116.0285
Total	**0.0572**	**0.0754**	**0.4400**	**1.2600e-003**	**0.1254**	**9.8000e-004**	**0.1264**	**0.0333**	**9.1000e-004**	**0.0342**		**126.5003**	**126.5003**	**4.3300e-003**		**126.6085**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0675	0.0471	0.5177	1.4000e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		139.1307	139.1307	4.1400e-003		139.2342
Total	**0.0675**	**0.0471**	**0.5177**	**1.4000e-003**	**0.1479**	**9.9000e-004**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**139.1307**	**139.1307**	**4.1400e-003**		**139.2342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0675	0.0471	0.5177	1.4000e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		139.1307	139.1307	4.1400e-003		139.2342
Total	**0.0675**	**0.0471**	**0.5177**	**1.4000e-003**	**0.1479**	**9.9000e-004**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**139.1307**	**139.1307**	**4.1400e-003**		**139.2342**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0630	0.0423	0.4744	1.3500e-003	0.1479	9.7000e-004	0.1488	0.0392	8.9000e-004	0.0401		134.7277	134.7277	3.7300e-003		134.8209
Total	**0.0630**	**0.0423**	**0.4744**	**1.3500e-003**	**0.1479**	**9.7000e-004**	**0.1488**	**0.0392**	**8.9000e-004**	**0.0401**		**134.7277**	**134.7277**	**3.7300e-003**		**134.8209**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0630	0.0423	0.4744	1.3500e-003	0.1479	9.7000e-004	0.1488	0.0392	8.9000e-004	0.0401		134.7277	134.7277	3.7300e-003		134.8209
Total	**0.0630**	**0.0423**	**0.4744**	**1.3500e-003**	**0.1479**	**9.7000e-004**	**0.1488**	**0.0392**	**8.9000e-004**	**0.0401**		**134.7277**	**134.7277**	**3.7300e-003**		**134.8209**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0700	0.0470	0.5271	1.5000e-003	0.1643	1.0800e-003	0.1654	0.0436	9.9000e-004	0.0446		149.6974	149.6974	4.1400e-003		149.8010
Total	**0.0700**	**0.0470**	**0.5271**	**1.5000e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**9.9000e-004**	**0.0446**		**149.6974**	**149.6974**	**4.1400e-003**		**149.8010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0700	0.0470	0.5271	1.5000e-003	0.1643	1.0800e-003	0.1654	0.0436	9.9000e-004	0.0446		149.6974	149.6974	4.1400e-003		149.8010
Total	**0.0700**	**0.0470**	**0.5271**	**1.5000e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**9.9000e-004**	**0.0446**		**149.6974**	**149.6974**	**4.1400e-003**		**149.8010**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

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	0.0657	0.0422	0.4852	1.4500e-003	0.1643	1.0500e-003	0.1653	0.0436	9.7000e-004	0.0446		144.3059	144.3059	3.7300e-003		144.3991
Total	**0.0657**	**0.0422**	**0.4852**	**1.4500e-003**	**0.1643**	**1.0500e-003**	**0.1653**	**0.0436**	**9.7000e-004**	**0.0446**		**144.3059**	**144.3059**	**3.7300e-003**		**144.3991**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

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	0.0657	0.0422	0.4852	1.4500e-003	0.1643	1.0500e-003	0.1653	0.0436	9.7000e-004	0.0446		144.3059	144.3059	3.7300e-003		144.3991
Total	**0.0657**	**0.0422**	**0.4852**	**1.4500e-003**	**0.1643**	**1.0500e-003**	**0.1653**	**0.0436**	**9.7000e-004**	**0.0446**		**144.3059**	**144.3059**	**3.7300e-003**		**144.3991**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

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	0.9925	32.8063	9.1563	0.0877	2.2982	0.0903	2.3885	0.6613	0.0864	0.7477		9,468.2439	9,468.2439	0.6433		9,484.3273
Worker	3.9872	2.5603	29.4272	0.0878	9.9645	0.0636	10.0281	2.6431	0.0586	2.7017		8,752.1549	8,752.1549	0.2260		8,757.8056
Total	**4.9797**	**35.3666**	**38.5836**	**0.1756**	**12.2627**	**0.1540**	**12.4167**	**3.3044**	**0.1450**	**3.4494**		**18,220.3989**	**18,220.3989**	**0.8694**		**18,242.1329**

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

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	0.9925	32.8063	9.1563	0.0877	2.2982	0.0903	2.3885	0.6613	0.0864	0.7477		9,468.2439	9,468.2439	0.6433		9,484.3273
Worker	3.9872	2.5603	29.4272	0.0878	9.9645	0.0636	10.0281	2.6431	0.0586	2.7017		8,752.1549	8,752.1549	0.2260		8,757.8056
Total	**4.9797**	**35.3666**	**38.5836**	**0.1756**	**12.2627**	**0.1540**	**12.4167**	**3.3044**	**0.1450**	**3.4494**		**18,220.3989**	**18,220.3989**	**0.8694**		**18,242.1329**

3.5 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

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	0.7506	25.9734	8.2671	0.0858	2.2984	0.0392	2.3376	0.6614	0.0375	0.6989		9,281.1669	9,281.1669	0.5944		9,296.0268
Worker	3.7461	2.3045	27.0629	0.0845	9.9645	0.0620	10.0266	2.6431	0.0572	2.7002		8,422.7481	8,422.7481	0.2029		8,427.8209
Total	**4.4967**	**28.2779**	**35.3299**	**0.1703**	**12.2629**	**0.1013**	**12.3641**	**3.3044**	**0.0946**	**3.3991**		**17,703.9150**	**17,703.9150**	**0.7973**		**17,723.8477**

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

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	0.7506	25.9734	8.2671	0.0858	2.2984	0.0392	2.3376	0.6614	0.0375	0.6989		9,281.1669	9,281.1669	0.5944		9,296.0268
Worker	3.7461	2.3045	27.0629	0.0845	9.9645	0.0620	10.0266	2.6431	0.0572	2.7002		8,422.7481	8,422.7481	0.2029		8,427.8209
Total	**4.4967**	**28.2779**	**35.3299**	**0.1703**	**12.2629**	**0.1013**	**12.3641**	**3.3044**	**0.0946**	**3.3991**		**17,703.9150**	**17,703.9150**	**0.7973**		**17,723.8477**

3.5 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

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	0.7182	25.4754	7.9118	0.0852	2.2985	0.0371	2.3356	0.6615	0.0355	0.6969		9,230.9292	9,230.9292	0.5965		9,245.8406
Worker	3.5336	2.0832	25.0711	0.0814	9.9645	0.0608	10.0254	2.6431	0.0560	2.6991		8,113.8982	8,113.8982	0.1836		8,118.4884
Total	**4.2518**	**27.5585**	**32.9829**	**0.1666**	**12.2630**	**0.0979**	**12.3610**	**3.3045**	**0.0915**	**3.3960**		**17,344.8274**	**17,344.8274**	**0.7801**		**17,364.3290**

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

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	0.7182	25.4754	7.9118	0.0852	2.2985	0.0371	2.3356	0.6615	0.0355	0.6969		9,230.9292	9,230.9292	0.5965		9,245.8406
Worker	3.5336	2.0832	25.0711	0.0814	9.9645	0.0608	10.0254	2.6431	0.0560	2.6991		8,113.8982	8,113.8982	0.1836		8,118.4884
Total	**4.2518**	**27.5585**	**32.9829**	**0.1666**	**12.2630**	**0.0979**	**12.3610**	**3.3045**	**0.0915**	**3.3960**		**17,344.8274**	**17,344.8274**	**0.7801**		**17,364.3290**

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

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	0.6897	24.9705	7.6520	0.0846	2.2987	0.0352	2.3338	0.6615	0.0336	0.6951		9,175.9894	9,175.9894	0.5987		9,190.9570
Worker	3.3468	1.8914	23.2048	0.0781	9.9645	0.0597	10.0242	2.6431	0.0549	2.6980		7,789.7818	7,789.7818	0.1663		7,793.9395
Total	**4.0365**	**26.8618**	**30.8568**	**0.1627**	**12.2632**	**0.0948**	**12.3580**	**3.3046**	**0.0886**	**3.3931**		**16,965.7712**	**16,965.7712**	**0.7650**		**16,984.8965**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

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	0.6897	24.9705	7.6520	0.0846	2.2987	0.0352	2.3338	0.6615	0.0336	0.6951		9,175.9894	9,175.9894	0.5987		9,190.9570
Worker	3.3468	1.8914	23.2048	0.0781	9.9645	0.0597	10.0242	2.6431	0.0549	2.6980		7,789.7818	7,789.7818	0.1663		7,793.9395
Total	**4.0365**	**26.8618**	**30.8568**	**0.1627**	**12.2632**	**0.0948**	**12.3580**	**3.3046**	**0.0886**	**3.3931**		**16,965.7712**	**16,965.7712**	**0.7650**		**16,984.8965**

3.5 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

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	0.6643	24.5055	7.4369	0.0840	2.2988	0.0335	2.3323	0.6616	0.0320	0.6936		9,124.8688	9,124.8688	0.6001		9,139.8700
Worker	3.1803	1.7262	21.4941	0.0751	9.9645	0.0575	10.0220	2.6431	0.0529	2.6960		7,492.6394	7,492.6394	0.1505		7,496.4006
Total	**3.8446**	**26.2317**	**28.9310**	**0.1591**	**12.2633**	**0.0910**	**12.3543**	**3.3046**	**0.0849**	**3.3895**		**16,617.5081**	**16,617.5081**	**0.7505**		**16,636.2705**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

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	0.6643	24.5055	7.4369	0.0840	2.2988	0.0335	2.3323	0.6616	0.0320	0.6936		9,124.8688	9,124.8688	0.6001		9,139.8700
Worker	3.1803	1.7262	21.4941	0.0751	9.9645	0.0575	10.0220	2.6431	0.0529	2.6960		7,492.6394	7,492.6394	0.1505		7,496.4006
Total	**3.8446**	**26.2317**	**28.9310**	**0.1591**	**12.2633**	**0.0910**	**12.3543**	**3.3046**	**0.0849**	**3.3895**		**16,617.5081**	**16,617.5081**	**0.7505**		**16,636.2705**

3.5 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

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	0.6427	24.0648	7.2579	0.0834	2.2989	0.0320	2.3309	0.6616	0.0306	0.6922		9,076.9539	9,076.9539	0.6008		9,091.9736
Worker	3.0186	1.5788	20.0545	0.0726	9.9645	0.0544	10.0189	2.6431	0.0501	2.6931		7,241.4278	7,241.4278	0.1371		7,244.8543
Total	**3.6613**	**25.6435**	**27.3124**	**0.1560**	**12.2634**	**0.0863**	**12.3498**	**3.3046**	**0.0806**	**3.3853**		**16,318.3817**	**16,318.3817**	**0.7379**		**16,336.8279**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

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	0.6427	24.0648	7.2579	0.0834	2.2989	0.0320	2.3309	0.6616	0.0306	0.6922		9,076.9539	9,076.9539	0.6008		9,091.9736
Worker	3.0186	1.5788	20.0545	0.0726	9.9645	0.0544	10.0189	2.6431	0.0501	2.6931		7,241.4278	7,241.4278	0.1371		7,244.8543
Total	**3.6613**	**25.6435**	**27.3124**	**0.1560**	**12.2634**	**0.0863**	**12.3498**	**3.3046**	**0.0806**	**3.3853**		**16,318.3817**	**16,318.3817**	**0.7379**		**16,336.8279**

3.5 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2028

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	0.6245	23.6932	7.1295	0.0830	2.2990	0.0306	2.3297	0.6616	0.0293	0.6909		9,036.8279	9,036.8279	0.6011		9,051.8555
Worker	2.8513	1.4484	18.7980	0.0704	9.9645	0.0505	10.0150	2.6431	0.0464	2.6895		7,020.3659	7,020.3659	0.1256		7,023.5051
Total	**3.4758**	**25.1416**	**25.9275**	**0.1533**	**12.2635**	**0.0811**	**12.3446**	**3.3047**	**0.0757**	**3.3804**		**16,057.1938**	**16,057.1938**	**0.7267**		**16,075.3606**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2028

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	0.6245	23.6932	7.1295	0.0830	2.2990	0.0306	2.3297	0.6616	0.0293	0.6909		9,036.8279	9,036.8279	0.6011		9,051.8555
Worker	2.8513	1.4484	18.7980	0.0704	9.9645	0.0505	10.0150	2.6431	0.0464	2.6895		7,020.3659	7,020.3659	0.1256		7,023.5051
Total	**3.4758**	**25.1416**	**25.9275**	**0.1533**	**12.2635**	**0.0811**	**12.3446**	**3.3047**	**0.0757**	**3.3804**		**16,057.1938**	**16,057.1938**	**0.7267**		**16,075.3606**

3.5 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2029

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	0.6081	23.3340	7.0154	0.0825	2.2991	0.0294	2.3285	0.6617	0.0281	0.6897		8,998.4615	8,998.4615	0.6015		9,013.4999
Worker	2.6679	1.3266	17.5896	0.0684	9.9645	0.0468	10.0114	2.6431	0.0431	2.6862		6,825.4433	6,825.4433	0.1146		6,828.3075
Total	**3.2761**	**24.6605**	**24.6050**	**0.1509**	**12.2636**	**0.0762**	**12.3398**	**3.3047**	**0.0712**	**3.3759**		**15,823.9048**	**15,823.9048**	**0.7161**		**15,841.8074**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2029

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	0.6081	23.3340	7.0154	0.0825	2.2991	0.0294	2.3285	0.6617	0.0281	0.6897		8,998.4615	8,998.4615	0.6015		9,013.4999
Worker	2.6679	1.3266	17.5896	0.0684	9.9645	0.0468	10.0114	2.6431	0.0431	2.6862		6,825.4433	6,825.4433	0.1146		6,828.3075
Total	**3.2761**	**24.6605**	**24.6050**	**0.1509**	**12.2636**	**0.0762**	**12.3398**	**3.3047**	**0.0712**	**3.3759**		**15,823.9048**	**15,823.9048**	**0.7161**		**15,841.8074**

3.5 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2030

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	0.5947	23.0207	6.9347	0.0822	2.2992	0.0282	2.3274	0.6617	0.0270	0.6887		8,966.6570	8,966.6570	0.6015		8,981.6944
Worker	2.4861	1.2156	16.5015	0.0667	9.9645	0.0436	10.0081	2.6431	0.0401	2.6831		6,653.9222	6,653.9222	0.1047		6,656.5403
Total	**3.0808**	**24.2363**	**23.4362**	**0.1488**	**12.2637**	**0.0718**	**12.3355**	**3.3048**	**0.0670**	**3.3718**		**15,620.5793**	**15,620.5793**	**0.7062**		**15,638.2347**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2030

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	0.5947	23.0207	6.9347	0.0822	2.2992	0.0282	2.3274	0.6617	0.0270	0.6887		8,966.6570	8,966.6570	0.6015		8,981.6944
Worker	2.4861	1.2156	16.5015	0.0667	9.9645	0.0436	10.0081	2.6431	0.0401	2.6831		6,653.9222	6,653.9222	0.1047		6,656.5403
Total	**3.0808**	**24.2363**	**23.4362**	**0.1488**	**12.2637**	**0.0718**	**12.3355**	**3.3048**	**0.0670**	**3.3718**		**15,620.5793**	**15,620.5793**	**0.7062**		**15,638.2347**

3.5 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2031

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	0.5863	22.8006	6.8914	0.0819	2.2993	0.0273	2.3266	0.6617	0.0261	0.6878		8,949.4674	8,949.4674	0.6018		8,964.5120
Worker	2.2815	1.1083	15.4740	0.0653	9.9645	0.0408	10.0053	2.6431	0.0375	2.6806		6,519.7934	6,519.7934	0.0957		6,522.1852
Total	**2.8678**	**23.9089**	**22.3653**	**0.1473**	**12.2638**	**0.0681**	**12.3319**	**3.3048**	**0.0636**	**3.3684**		**15,469.2608**	**15,469.2608**	**0.6975**		**15,486.6972**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2031

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	0.5863	22.8006	6.8914	0.0819	2.2993	0.0273	2.3266	0.6617	0.0261	0.6878		8,949.4674	8,949.4674	0.6018		8,964.5120
Worker	2.2815	1.1083	15.4740	0.0653	9.9645	0.0408	10.0053	2.6431	0.0375	2.6806		6,519.7934	6,519.7934	0.0957		6,522.1852
Total	**2.8678**	**23.9089**	**22.3653**	**0.1473**	**12.2638**	**0.0681**	**12.3319**	**3.3048**	**0.0636**	**3.3684**		**15,469.2608**	**15,469.2608**	**0.6975**		**15,486.6972**

3.5 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2032

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	0.5771	22.5391	6.8507	0.0817	2.2993	0.0264	2.3258	0.6618	0.0253	0.6870		8,929.7549	8,929.7549	0.6018		8,944.7989
Worker	2.0998	1.0150	14.5357	0.0640	9.9645	0.0380	10.0025	2.6431	0.0350	2.6780		6,388.0438	6,388.0438	0.0874		6,390.2275
Total	**2.6769**	**23.5541**	**21.3864**	**0.1457**	**12.2639**	**0.0644**	**12.3283**	**3.3048**	**0.0602**	**3.3650**		**15,317.7986**	**15,317.7986**	**0.6891**		**15,335.0264**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2032

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	0.5771	22.5391	6.8507	0.0817	2.2993	0.0264	2.3258	0.6618	0.0253	0.6870		8,929.7549	8,929.7549	0.6018		8,944.7989
Worker	2.0998	1.0150	14.5357	0.0640	9.9645	0.0380	10.0025	2.6431	0.0350	2.6780		6,388.0438	6,388.0438	0.0874		6,390.2275
Total	**2.6769**	**23.5541**	**21.3864**	**0.1457**	**12.2639**	**0.0644**	**12.3283**	**3.3048**	**0.0602**	**3.3650**		**15,317.7986**	**15,317.7986**	**0.6891**		**15,335.0264**

3.5 Building Construction - 2033

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2033

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	0.5699	22.3037	6.8227	0.0815	2.2994	0.0256	2.3250	0.6618	0.0245	0.6863		8,913.7101	8,913.7101	0.6018		8,928.7557
Worker	1.9445	0.9364	13.7310	0.0628	9.9645	0.0355	10.0000	2.6431	0.0327	2.6757		6,273.9330	6,273.9330	0.0803		6,275.9398
Total	**2.5144**	**23.2400**	**20.5537**	**0.1443**	**12.2639**	**0.0611**	**12.3251**	**3.3048**	**0.0572**	**3.3620**		**15,187.6430**	**15,187.6430**	**0.6821**		**15,204.6955**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2033

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	0.5699	22.3037	6.8227	0.0815	2.2994	0.0256	2.3250	0.6618	0.0245	0.6863		8,913.7101	8,913.7101	0.6018		8,928.7557
Worker	1.9445	0.9364	13.7310	0.0628	9.9645	0.0355	10.0000	2.6431	0.0327	2.6757		6,273.9330	6,273.9330	0.0803		6,275.9398
Total	**2.5144**	**23.2400**	**20.5537**	**0.1443**	**12.2639**	**0.0611**	**12.3251**	**3.3048**	**0.0572**	**3.3620**		**15,187.6430**	**15,187.6430**	**0.6821**		**15,204.6955**

3.5 Building Construction - 2034

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2034

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	0.5635	22.1058	6.7947	0.0813	2.2995	0.0250	2.3245	0.6618	0.0239	0.6857		8,901.2571	8,901.2571	0.6018		8,916.3032
Worker	1.8131	0.8705	12.9763	0.0618	9.9645	0.0332	9.9977	2.6431	0.0305	2.6736		6,175.0324	6,175.0324	0.0737		6,176.8748
Total	**2.3766**	**22.9764**	**19.7710**	**0.1432**	**12.2640**	**0.0582**	**12.3222**	**3.3048**	**0.0545**	**3.3593**		**15,076.2895**	**15,076.2895**	**0.6755**		**15,093.1780**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2034

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	0.5635	22.1058	6.7947	0.0813	2.2995	0.0250	2.3245	0.6618	0.0239	0.6857		8,901.2571	8,901.2571	0.6018		8,916.3032
Worker	1.8131	0.8705	12.9763	0.0618	9.9645	0.0332	9.9977	2.6431	0.0305	2.6736		6,175.0324	6,175.0324	0.0737		6,176.8748
Total	**2.3766**	**22.9764**	**19.7710**	**0.1432**	**12.2640**	**0.0582**	**12.3222**	**3.3048**	**0.0545**	**3.3593**		**15,076.2895**	**15,076.2895**	**0.6755**		**15,093.1780**

3.6 Paving - 2034

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

3.6 Paving - 2034

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	0.0224	0.0108	0.1605	7.6000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.3607	76.3607	9.1000e-004		76.3835
Total	**0.0224**	**0.0108**	**0.1605**	**7.6000e-004**	**0.1232**	**4.1000e-004**	**0.1236**	**0.0327**	**3.8000e-004**	**0.0331**		**76.3607**	**76.3607**	**9.1000e-004**		**76.3835**

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

3.6 Paving - 2034

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	0.0224	0.0108	0.1605	7.6000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		76.3607	76.3607	9.1000e-004		76.3835
Total	**0.0224**	**0.0108**	**0.1605**	**7.6000e-004**	**0.1232**	**4.1000e-004**	**0.1236**	**0.0327**	**3.8000e-004**	**0.0331**		**76.3607**	**76.3607**	**9.1000e-004**		**76.3835**

3.6 Paving - 2035

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0727**

3.6 Paving - 2035

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	0.0211	0.0101	0.1527	7.5000e-004	0.1232	3.9000e-004	0.1236	0.0327	3.5000e-004	0.0330		75.3193	75.3193	8.4000e-004		75.3404
Total	**0.0211**	**0.0101**	**0.1527**	**7.5000e-004**	**0.1232**	**3.9000e-004**	**0.1236**	**0.0327**	**3.5000e-004**	**0.0330**		**75.3193**	**75.3193**	**8.4000e-004**		**75.3404**

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0726**

3.6 Paving - 2035

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	0.0211	0.0101	0.1527	7.5000e-004	0.1232	3.9000e-004	0.1236	0.0327	3.5000e-004	0.0330		75.3193	75.3193	8.4000e-004		75.3404
Total	**0.0211**	**0.0101**	**0.1527**	**7.5000e-004**	**0.1232**	**3.9000e-004**	**0.1236**	**0.0327**	**3.5000e-004**	**0.0330**		**75.3193**	**75.3193**	**8.4000e-004**		**75.3404**

3.7 Architectural Coating - 2035

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	243.3892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	**243.5070**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

3.7 Architectural Coating - 2035

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	0.3412	0.1643	2.4729	0.0122	1.9962	6.2400e-003	2.0024	0.5295	5.7400e-003	0.5352		1,220.1721	1,220.1721	0.0137		1,220.5138
Total	**0.3412**	**0.1643**	**2.4729**	**0.0122**	**1.9962**	**6.2400e-003**	**2.0024**	**0.5295**	**5.7400e-003**	**0.5352**		**1,220.1721**	**1,220.1721**	**0.0137**		**1,220.5138**

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	243.3892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	**243.5070**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.7081**

3.7 Architectural Coating - 2035

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	0.3412	0.1643	2.4729	0.0122	1.9962	6.2400e-003	2.0024	0.5295	5.7400e-003	0.5352		1,220.1721	1,220.1721	0.0137		1,220.5138
Total	**0.3412**	**0.1643**	**2.4729**	**0.0122**	**1.9962**	**6.2400e-003**	**2.0024**	**0.5295**	**5.7400e-003**	**0.5352**		**1,220.1721**	**1,220.1721**	**0.0137**		**1,220.5138**

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	12.8778	55.8692	144.2122	0.6932	87.5045	0.3591	87.8636	23.3681	0.3337	23.7018		70,904.7627	70,904.7627	2.4460		70,965.9118
Unmitigated	12.8778	55.8692	144.2122	0.6932	87.5045	0.3591	87.8636	23.3681	0.3337	23.7018		70,904.7627	70,904.7627	2.4460		70,965.9118

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,153.28	5,153.28	5153.28	14,501,587	14,501,587
City Park	950.00	950.00	950.00	2,028,110	2,028,110
Junior High School	1,704.00	1,704.00	1704.00	3,830,923	3,830,923
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	4,933.17	4,933.17	4933.17	8,649,351	8,649,351
Single Family Housing	4,380.16	4,380.16	4380.16	12,325,989	12,325,989
Total	17,120.61	17,120.61	17,120.61	41,335,960	41,335,960

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
Apartments Mid Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Apartments Mid Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
City Park	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Junior High School	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Other Non-Asphalt Surfaces	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Regional Shopping Center	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Single Family Housing	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive 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	0.6386	5.4897	2.5636	0.0348		0.4412	0.4412		0.4412	0.4412		6,966.1100	6,966.1100	0.1335	0.1277	7,007.5061
NaturalGas Unmitigated	0.6386	5.4897	2.5636	0.0348		0.4412	0.4412		0.4412	0.4412		6,966.1100	6,966.1100	0.1335	0.1277	7,007.5061

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					
Apartments Mid Rise	16663.5	0.1797	1.5357	0.6535	9.8000e-003		0.1242	0.1242		0.1242	0.1242		1,960.4103	1,960.4103	0.0376	0.0359	1,972.0600
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	4751.42	0.0512	0.4658	0.3913	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.9911	558.9911	0.0107	0.0103	562.3130
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	848.525	9.1500e-003	0.0832	0.0699	5.0000e-004		6.3200e-003	6.3200e-003		6.3200e-003	6.3200e-003		99.8265	99.8265	1.9100e-003	1.8300e-003	100.4197
Single Family Housing	36948.5	0.3985	3.4051	1.4490	0.0217		0.2753	0.2753		0.2753	0.2753		4,346.8821	4,346.8821	0.0833	0.0797	4,372.7135
Total		**0.6386**	**5.4897**	**2.5636**	**0.0348**		**0.4412**	**0.4412**		**0.4412**	**0.4412**		**6,966.1100**	**6,966.1100**	**0.1335**	**0.1277**	**7,007.5061**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	16.6635	0.1797	1.5357	0.6535	9.8000e-003		0.1242	0.1242		0.1242	0.1242		1,960.4103	1,960.4103	0.0376	0.0359	1,972.0600
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	4.75142	0.0512	0.4658	0.3913	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.9911	558.9911	0.0107	0.0103	562.3130
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.848525	9.1500e-003	0.0832	0.0699	5.0000e-004		6.3200e-003	6.3200e-003		6.3200e-003	6.3200e-003		99.8265	99.8265	1.9100e-003	1.8300e-003	100.4197
Single Family Housing	36.9485	0.3985	3.4051	1.4490	0.0217		0.2753	0.2753		0.2753	0.2753		4,346.8821	4,346.8821	0.0833	0.0797	4,372.7135
Total		**0.6386**	**5.4897**	**2.5636**	**0.0348**		**0.4412**	**0.4412**		**0.4412**	**0.4412**		**6,966.1100**	**6,966.1100**	**0.1335**	**0.1277**	**7,007.5061**

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	55.4333	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347	0.0000	173.7182	173.7182	0.1657	0.0000	177.8610
Unmitigated	55.4333	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347	0.0000	173.7182	173.7182	0.1657	0.0000	177.8610

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	14.6700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.8833					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8799	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347		173.7182	173.7182	0.1657		177.8610
Total	**55.4333**	**1.1087**	**96.1198**	**5.1000e-003**		**0.5347**	**0.5347**		**0.5347**	**0.5347**	**0.0000**	**173.7182**	**173.7182**	**0.1657**	**0.0000**	**177.8610**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.6700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.8833					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8799	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347		173.7182	173.7182	0.1657		177.8610
Total	**55.4333**	**1.1087**	**96.1198**	**5.1000e-003**		**0.5347**	**0.5347**		**0.5347**	**0.5347**	**0.0000**	**173.7182**	**173.7182**	**0.1657**	**0.0000**	**177.8610**

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

Proposed Blosser SE Specific Plan

South Central Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
	0.00		0.00	0.00	0
Junior High School	800.00	Student	21.00	94,049.35	0
Other Non-Asphalt Surfaces	6.00	Acre	6.00	261,360.00	0
City Park	19.00	Acre	19.00	827,640.00	0
Apartments Mid Rise	704.00	Dwelling Unit	32.00	704,000.00	2013
Single Family Housing	464.00	Dwelling Unit	58.00	835,200.00	1327
Regional Shopping Center	130.68	1000sqft	10.00	130,680.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.9	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - LU acreages based on Specific Plan and unit amounts equivalent to Traffic Study. "Other Non-Asphalt Surfaces" represents basin area.

Demolition -

Vehicle Trips - Trip rates based on Traffic Study (ATE 2019).

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	2.16	21.00
tblLandUse	LotAcreage	18.53	32.00
tblLandUse	LotAcreage	150.65	58.00
tblLandUse	LotAcreage	3.00	10.00
tblVehicleTrips	ST_TR	6.39	7.32
tblVehicleTrips	ST_TR	22.75	50.00
tblVehicleTrips	ST_TR	0.00	2.13
tblVehicleTrips	ST_TR	49.97	37.75
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	5.86	7.32
tblVehicleTrips	SU_TR	16.74	50.00
tblVehicleTrips	SU_TR	0.00	2.13
tblVehicleTrips	SU_TR	25.24	37.75
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	6.65	7.32
tblVehicleTrips	WD_TR	1.89	50.00
tblVehicleTrips	WD_TR	1.62	2.13
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.44

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1531	42.4718	22.1899	0.0400	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,869.2260	3,869.2260	1.1959	0.0000	3,895.7815
2021	4.2709	46.4540	31.3995	0.0635	18.2141	2.0454	20.2596	9.9699	1.8818	11.8517	0.0000	6,150.5067	6,150.5067	1.9468	0.0000	6,199.1776
2022	7.3034	51.2853	55.5836	0.1968	12.2627	1.6359	13.2305	3.6401	1.5051	5.1452	0.0000	20,188.1859	20,188.1859	1.9478	0.0000	20,225.9405
2023	6.6508	42.8956	51.9524	0.1917	12.2629	0.8029	13.0658	3.3044	0.7549	4.0594	0.0000	19,688.2897	19,688.2897	1.4279	0.0000	19,723.9873
2024	6.2832	41.1992	49.4652	0.1882	12.2630	0.7130	12.9760	3.3045	0.6700	3.9745	0.0000	19,344.2373	19,344.2373	1.4068	0.0000	19,379.4073
2025	5.9447	39.4960	47.2243	0.1844	12.2632	0.6239	12.8871	3.3046	0.5863	3.8908	0.0000	18,981.5466	18,981.5466	1.3881	0.0000	19,016.2495
2026	5.7378	38.8378	45.2742	0.1810	12.2633	0.6199	12.8832	3.3046	0.5825	3.8871	0.0000	18,647.1814	18,647.1814	1.3734	0.0000	18,681.5160
2027	5.5380	38.2239	43.6330	0.1780	12.2634	0.6151	12.8786	3.3046	0.5780	3.8827	0.0000	18,359.8996	18,359.8996	1.3605	0.0000	18,393.9111
2028	5.3316	37.7010	42.2326	0.1755	12.2635	0.6097	12.8733	3.3047	0.5730	3.8777	0.0000	18,109.2176	18,109.2176	1.3490	0.0000	18,142.9432
2029	5.1075	37.2004	40.8928	0.1731	12.2636	0.6047	12.8683	3.3047	0.5683	3.8730	0.0000	17,885.2537	17,885.2537	1.3382	0.0000	17,918.7086
2030	4.8287	32.2230	39.7834	0.1751	12.2637	0.2207	12.4844	3.3048	0.2160	3.5207	0.0000	18,030.8004	18,030.8004	0.8434	0.0000	18,051.8844
2031	4.5849	31.8800	38.6945	0.1736	12.2638	0.2170	12.4808	3.3048	0.2125	3.5172	0.0000	17,885.1555	17,885.1555	0.8344	0.0000	17,906.0145
2032	4.3667	31.5099	37.7058	0.1721	12.2639	0.2132	12.4771	3.3048	0.2090	3.5138	0.0000	17,739.0170	17,739.0170	0.8258	0.0000	17,759.6627
2033	4.1809	31.1825	36.8661	0.1708	12.2639	0.2098	12.4737	3.3048	0.2058	3.5107	0.0000	17,613.1736	17,613.1736	0.8187	0.0000	17,633.6402
2034	4.0241	30.9069	36.0774	0.1697	12.2640	0.3310	12.4708	3.3048	0.3310	3.5079	0.0000	17,505.2924	17,505.2924	0.8120	0.0000	17,525.5921
2035	243.9067	4.8878	15.9670	0.0288	1.9962	0.1878	2.0123	0.5295	0.1878	0.5451	0.0000	2,728.6497	2,728.6497	0.1030	0.0000	2,731.2256
Maximum	**243.9067**	**51.2853**	**55.5836**	**0.1968**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**20,188.1859**	**20,188.1859**	**1.9478**	**0.0000**	**20,225.9405**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1531	42.4718	22.1899	0.0400	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	3,869.2260	3,869.2260	1.1959	0.0000	3,895.7814
2021	4.2709	46.4540	31.3995	0.0635	18.2141	2.0454	20.2596	9.9699	1.8818	11.8517	0.0000	6,150.5067	6,150.5067	1.9468	0.0000	6,199.1776
2022	7.3034	51.2853	55.5836	0.1968	12.2627	1.6359	13.2305	3.6401	1.5051	5.1452	0.0000	20,188.1859	20,188.1859	1.9478	0.0000	20,225.9405
2023	6.6508	42.8956	51.9524	0.1917	12.2629	0.8029	13.0658	3.3044	0.7549	4.0594	0.0000	19,688.2897	19,688.2897	1.4279	0.0000	19,723.9872
2024	6.2832	41.1992	49.4652	0.1882	12.2630	0.7130	12.9760	3.3045	0.6700	3.9745	0.0000	19,344.2373	19,344.2373	1.4068	0.0000	19,379.4073
2025	5.9447	39.4960	47.2243	0.1844	12.2632	0.6239	12.8871	3.3046	0.5863	3.8908	0.0000	18,981.5466	18,981.5466	1.3881	0.0000	19,016.2495
2026	5.7378	38.8378	45.2742	0.1810	12.2633	0.6199	12.8832	3.3046	0.5825	3.8871	0.0000	18,647.1814	18,647.1814	1.3734	0.0000	18,681.5160
2027	5.5380	38.2239	43.6330	0.1780	12.2634	0.6151	12.8786	3.3046	0.5780	3.8827	0.0000	18,359.8996	18,359.8996	1.3605	0.0000	18,393.9111
2028	5.3316	37.7010	42.2326	0.1755	12.2635	0.6097	12.8733	3.3047	0.5730	3.8777	0.0000	18,109.2176	18,109.2176	1.3490	0.0000	18,142.9432
2029	5.1075	37.2004	40.8928	0.1731	12.2636	0.6047	12.8683	3.3047	0.5683	3.8730	0.0000	17,885.2537	17,885.2537	1.3382	0.0000	17,918.7086
2030	4.8287	32.2230	39.7834	0.1751	12.2637	0.2207	12.4844	3.3048	0.2160	3.5207	0.0000	18,030.8004	18,030.8004	0.8434	0.0000	18,051.8844
2031	4.5849	31.8800	38.6945	0.1736	12.2638	0.2170	12.4808	3.3048	0.2125	3.5172	0.0000	17,885.1555	17,885.1555	0.8344	0.0000	17,906.0145
2032	4.3667	31.5099	37.7058	0.1721	12.2639	0.2132	12.4771	3.3048	0.2090	3.5138	0.0000	17,739.0170	17,739.0170	0.8258	0.0000	17,759.6627
2033	4.1809	31.1825	36.8661	0.1708	12.2639	0.2098	12.4737	3.3048	0.2058	3.5107	0.0000	17,613.1736	17,613.1736	0.8187	0.0000	17,633.6402
2034	4.0241	30.9069	36.0774	0.1697	12.2640	0.3310	12.4708	3.3048	0.3310	3.5079	0.0000	17,505.2924	17,505.2924	0.8120	0.0000	17,525.5921
2035	243.9067	4.8878	15.9670	0.0288	1.9962	0.1878	2.0123	0.5295	0.1878	0.5451	0.0000	2,728.6497	2,728.6497	0.1030	0.0000	2,731.2256
Maximum	**243.9067**	**51.2853**	**55.5836**	**0.1968**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**20,188.1859**	**20,188.1859**	**1.9478**	**0.0000**	**20,225.9405**

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Winter

	ROG	NOx	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

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	55.4333	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347	0.0000	173.7182	173.7182	0.1657	0.0000	177.8610
Energy	0.6386	5.4897	2.5636	0.0348		0.4412	0.4412		0.4412	0.4412		6,966.1100	6,966.1100	0.1335	0.1277	7,007.5061
Mobile	12.1742	56.9517	146.5074	0.6687	87.5045	0.3600	87.8645	23.3681	0.3346	23.7026		68,395.1738	68,395.1738	2.5025		68,457.7350
Total	**68.2460**	**63.5501**	**245.1908**	**0.7086**	**87.5045**	**1.3360**	**88.8404**	**23.3681**	**1.3105**	**24.6785**	**0.0000**	**75,535.0020**	**75,535.0020**	**2.8017**	**0.1277**	**75,643.1021**

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	55.4333	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347	0.0000	173.7182	173.7182	0.1657	0.0000	177.8610
Energy	0.6386	5.4897	2.5636	0.0348		0.4412	0.4412		0.4412	0.4412		6,966.1100	6,966.1100	0.1335	0.1277	7,007.5061
Mobile	12.1742	56.9517	146.5074	0.6687	87.5045	0.3600	87.8645	23.3681	0.3346	23.7026		68,395.1738	68,395.1738	2.5025		68,457.7350
Total	**68.2460**	**63.5501**	**245.1908**	**0.7086**	**87.5045**	**1.3360**	**88.8404**	**23.3681**	**1.3105**	**24.6785**	**0.0000**	**75,535.0020**	**75,535.0020**	**2.8017**	**0.1277**	**75,643.1021**

	ROG	NOx	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	1/1/2020	10/6/2020	5	200	
2	Site Preparation	Site Preparation	10/7/2020	3/23/2021	5	120	
3	Grading	Grading	3/24/2021	5/31/2022	5	310	
4	Building Construction	Building Construction	6/1/2022	4/18/2034	5	3100	
5	Paving	Paving	4/19/2034	2/20/2035	5	220	
6	Architectural Coating	Architectural Coating	2/21/2035	12/25/2035	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 6

Residential Indoor: 3,116,880; Residential Outdoor: 1,038,960; Non-Residential Indoor: 337,094; Non-Residential Outdoor: 112,365; Striped Parking Area: 15,682 (Architectural Coating – sqft)

OffRoad Equipment

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	25.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,213.00	340.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	243.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0277	0.0000	0.0277	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0277**	**1.6587**	**1.6864**	**4.1900e-003**	**1.5419**	**1.5460**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-003	0.0364	9.1300e-003	9.0000e-005	2.1800e-003	1.6000e-004	2.3300e-003	6.0000e-004	1.5000e-004	7.4000e-004		10.4013	10.4013	9.0000e-004		10.4238
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	0.0639	0.0454	0.4276	1.1200e-003	0.1232	8.3000e-004	0.1241	0.0327	7.6000e-004	0.0335		111.1198	111.1198	3.3700e-003		111.2040
Total	**0.0649**	**0.0818**	**0.4367**	**1.2100e-003**	**0.1254**	**9.9000e-004**	**0.1264**	**0.0333**	**9.1000e-004**	**0.0342**		**121.5211**	**121.5211**	**4.2700e-003**		**121.6278**

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					0.0277	0.0000	0.0277	4.1900e-003	0.0000	4.1900e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.0277**	**1.6587**	**1.6864**	**4.1900e-003**	**1.5419**	**1.5460**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-003	0.0364	9.1300e-003	9.0000e-005	2.1800e-003	1.6000e-004	2.3300e-003	6.0000e-004	1.5000e-004	7.4000e-004		10.4013	10.4013	9.0000e-004		10.4238
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	0.0639	0.0454	0.4276	1.1200e-003	0.1232	8.3000e-004	0.1241	0.0327	7.6000e-004	0.0335		111.1198	111.1198	3.3700e-003		111.2040
Total	**0.0649**	**0.0818**	**0.4367**	**1.2100e-003**	**0.1254**	**9.9000e-004**	**0.1264**	**0.0333**	**9.1000e-004**	**0.0342**		**121.5211**	**121.5211**	**4.2700e-003**		**121.6278**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.5131	1.3400e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		133.3437	133.3437	4.0400e-003		133.4448
Total	**0.0767**	**0.0544**	**0.5131**	**1.3400e-003**	**0.1479**	**9.9000e-004**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**133.3437**	**133.3437**	**4.0400e-003**		**133.4448**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.5131	1.3400e-003	0.1479	9.9000e-004	0.1489	0.0392	9.2000e-004	0.0401		133.3437	133.3437	4.0400e-003		133.4448
Total	**0.0767**	**0.0544**	**0.5131**	**1.3400e-003**	**0.1479**	**9.9000e-004**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**133.3437**	**133.3437**	**4.0400e-003**		**133.4448**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0717	0.0488	0.4690	1.3000e-003	0.1479	9.7000e-004	0.1488	0.0392	8.9000e-004	0.0401		129.1170	129.1170	3.6300e-003		129.2078
Total	**0.0717**	**0.0488**	**0.4690**	**1.3000e-003**	**0.1479**	**9.7000e-004**	**0.1488**	**0.0392**	**8.9000e-004**	**0.0401**		**129.1170**	**129.1170**	**3.6300e-003**		**129.2078**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0717	0.0488	0.4690	1.3000e-003	0.1479	9.7000e-004	0.1488	0.0392	8.9000e-004	0.0401		129.1170	129.1170	3.6300e-003		129.2078
Total	**0.0717**	**0.0488**	**0.4690**	**1.3000e-003**	**0.1479**	**9.7000e-004**	**0.1488**	**0.0392**	**8.9000e-004**	**0.0401**		**129.1170**	**129.1170**	**3.6300e-003**		**129.2078**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0797	0.0542	0.5211	1.4400e-003	0.1643	1.0800e-003	0.1654	0.0436	9.9000e-004	0.0446		143.4633	143.4633	4.0400e-003		143.5642
Total	**0.0797**	**0.0542**	**0.5211**	**1.4400e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**9.9000e-004**	**0.0446**		**143.4633**	**143.4633**	**4.0400e-003**		**143.5642**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6733**	**1.9853**	**10.6587**	**3.5965**	**1.8265**	**5.4230**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0797	0.0542	0.5211	1.4400e-003	0.1643	1.0800e-003	0.1654	0.0436	9.9000e-004	0.0446		143.4633	143.4633	4.0400e-003		143.5642
Total	**0.0797**	**0.0542**	**0.5211**	**1.4400e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**9.9000e-004**	**0.0446**		**143.4633**	**143.4633**	**4.0400e-003**		**143.5642**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

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	0.0749	0.0487	0.4784	1.3900e-003	0.1643	1.0500e-003	0.1653	0.0436	9.7000e-004	0.0446		138.2970	138.2970	3.6200e-003		138.3875
Total	**0.0749**	**0.0487**	**0.4784**	**1.3900e-003**	**0.1643**	**1.0500e-003**	**0.1653**	**0.0436**	**9.7000e-004**	**0.0446**		**138.2970**	**138.2970**	**3.6200e-003**		**138.3875**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**8.6733**	**1.6349**	**10.3082**	**3.5965**	**1.5041**	**5.1006**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.4 Grading - 2022

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	0.0749	0.0487	0.4784	1.3900e-003	0.1643	1.0500e-003	0.1653	0.0436	9.7000e-004	0.0446		138.2970	138.2970	3.6200e-003		138.3875
Total	**0.0749**	**0.0487**	**0.4784**	**1.3900e-003**	**0.1643**	**1.0500e-003**	**0.1653**	**0.0436**	**9.7000e-004**	**0.0446**		**138.2970**	**138.2970**	**3.6200e-003**		**138.3875**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

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	1.0522	32.7142	10.2044	0.0857	2.2982	0.0952	2.3933	0.6613	0.0910	0.7523		9,246.1422	9,246.1422	0.6786		9,263.1068
Worker	4.5449	2.9554	29.0158	0.0842	9.9645	0.0636	10.0281	2.6431	0.0586	2.7017		8,387.7101	8,387.7101	0.2197		8,393.2016
Total	**5.5972**	**35.6696**	**39.2202**	**0.1699**	**12.2627**	**0.1588**	**12.4215**	**3.3044**	**0.1496**	**3.4540**		**17,633.8523**	**17,633.8523**	**0.8982**		**17,656.3083**

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

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	1.0522	32.7142	10.2044	0.0857	2.2982	0.0952	2.3933	0.6613	0.0910	0.7523		9,246.1422	9,246.1422	0.6786		9,263.1068
Worker	4.5449	2.9554	29.0158	0.0842	9.9645	0.0636	10.0281	2.6431	0.0586	2.7017		8,387.7101	8,387.7101	0.2197		8,393.2016
Total	**5.5972**	**35.6696**	**39.2202**	**0.1699**	**12.2627**	**0.1588**	**12.4215**	**3.3044**	**0.1496**	**3.4540**		**17,633.8523**	**17,633.8523**	**0.8982**		**17,656.3083**

3.5 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

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	0.7973	25.8511	9.0986	0.0838	2.2984	0.0412	2.3395	0.6614	0.0393	0.7007		9,061.0249	9,061.0249	0.6234		9,076.6096
Worker	4.2808	2.6597	26.6098	0.0810	9.9645	0.0620	10.0266	2.6431	0.0572	2.7002		8,072.0549	8,072.0549	0.1967		8,076.9716
Total	**5.0781**	**28.5107**	**35.7084**	**0.1648**	**12.2629**	**0.1032**	**12.3661**	**3.3044**	**0.0965**	**3.4009**		**17,133.0798**	**17,133.0798**	**0.8201**		**17,153.5812**

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

3.5 Building Construction - 2023

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	0.7973	25.8511	9.0986	0.0838	2.2984	0.0412	2.3395	0.6614	0.0393	0.7007		9,061.0249	9,061.0249	0.6234		9,076.6096
Worker	4.2808	2.6597	26.6098	0.0810	9.9645	0.0620	10.0266	2.6431	0.0572	2.7002		8,072.0549	8,072.0549	0.1967		8,076.9716
Total	**5.0781**	**28.5107**	**35.7084**	**0.1648**	**12.2629**	**0.1032**	**12.3661**	**3.3044**	**0.0965**	**3.4009**		**17,133.0798**	**17,133.0798**	**0.8201**		**17,153.5812**

3.5 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

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	0.7622	25.3514	8.7024	0.0832	2.2985	0.0388	2.3373	0.6615	0.0371	0.6986		9,012.8597	9,012.8597	0.6250		9,028.4834
Worker	4.0494	2.4040	24.5960	0.0780	9.9645	0.0608	10.0254	2.6431	0.0560	2.6991		7,775.6787	7,775.6787	0.1775		7,780.1162
Total	**4.8116**	**27.7554**	**33.2984**	**0.1612**	**12.2630**	**0.0997**	**12.3627**	**3.3045**	**0.0931**	**3.3976**		**16,788.5384**	**16,788.5384**	**0.8025**		**16,808.5997**

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Building Construction - 2024

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	0.7622	25.3514	8.7024	0.0832	2.2985	0.0388	2.3373	0.6615	0.0371	0.6986		9,012.8597	9,012.8597	0.6250		9,028.4834
Worker	4.0494	2.4040	24.5960	0.0780	9.9645	0.0608	10.0254	2.6431	0.0560	2.6991		7,775.6787	7,775.6787	0.1775		7,780.1162
Total	**4.8116**	**27.7554**	**33.2984**	**0.1612**	**12.2630**	**0.0997**	**12.3627**	**3.3045**	**0.0931**	**3.3976**		**16,788.5384**	**16,788.5384**	**0.8025**		**16,808.5997**

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

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	0.7315	24.8438	8.4103	0.0826	2.2987	0.0367	2.3354	0.6615	0.0351	0.6966		8,959.9498	8,959.9498	0.6267		8,975.6167
Worker	3.8459	2.1825	22.7293	0.0749	9.9645	0.0597	10.0242	2.6431	0.0549	2.6980		7,465.1225	7,465.1225	0.1605		7,469.1347
Total	**4.5773**	**27.0263**	**31.1397**	**0.1575**	**12.2632**	**0.0964**	**12.3595**	**3.3046**	**0.0900**	**3.3946**		**16,425.0723**	**16,425.0723**	**0.7872**		**16,444.7514**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2025

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	0.7315	24.8438	8.4103	0.0826	2.2987	0.0367	2.3354	0.6615	0.0351	0.6966		8,959.9498	8,959.9498	0.6267		8,975.6167
Worker	3.8459	2.1825	22.7293	0.0749	9.9645	0.0597	10.0242	2.6431	0.0549	2.6980		7,465.1225	7,465.1225	0.1605		7,469.1347
Total	**4.5773**	**27.0263**	**31.1397**	**0.1575**	**12.2632**	**0.0964**	**12.3595**	**3.3046**	**0.0900**	**3.3946**		**16,425.0723**	**16,425.0723**	**0.7872**		**16,444.7514**

3.5 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

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	0.7041	24.3763	8.1671	0.0820	2.2988	0.0348	2.3336	0.6616	0.0333	0.6949		8,910.7369	8,910.7369	0.6275		8,926.4237
Worker	3.6663	1.9918	21.0224	0.0720	9.9645	0.0575	10.0220	2.6431	0.0529	2.6960		7,179.9701	7,179.9701	0.1450		7,183.5942
Total	**4.3704**	**26.3681**	**29.1895**	**0.1540**	**12.2633**	**0.0923**	**12.3556**	**3.3046**	**0.0862**	**3.3908**		**16,090.7070**	**16,090.7070**	**0.7724**		**16,110.0179**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2026

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	0.7041	24.3763	8.1671	0.0820	2.2988	0.0348	2.3336	0.6616	0.0333	0.6949		8,910.7369	8,910.7369	0.6275		8,926.4237
Worker	3.6663	1.9918	21.0224	0.0720	9.9645	0.0575	10.0220	2.6431	0.0529	2.6960		7,179.9701	7,179.9701	0.1450		7,183.5942
Total	**4.3704**	**26.3681**	**29.1895**	**0.1540**	**12.2633**	**0.0923**	**12.3556**	**3.3046**	**0.0862**	**3.3908**		**16,090.7070**	**16,090.7070**	**0.7724**		**16,110.0179**

3.5 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

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	0.6809	23.9324	7.9649	0.0815	2.2989	0.0332	2.3321	0.6616	0.0317	0.6933		8,864.4458	8,864.4458	0.6276		8,880.1369
Worker	3.4897	1.8218	19.5834	0.0696	9.9645	0.0544	10.0189	2.6431	0.0501	2.6931		6,938.9794	6,938.9794	0.1319		6,942.2762
Total	**4.1706**	**25.7542**	**27.5483**	**0.1511**	**12.2634**	**0.0876**	**12.3510**	**3.3046**	**0.0818**	**3.3864**		**15,803.4252**	**15,803.4252**	**0.7595**		**15,822.4130**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2027

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	0.6809	23.9324	7.9649	0.0815	2.2989	0.0332	2.3321	0.6616	0.0317	0.6933		8,864.4458	8,864.4458	0.6276		8,880.1369
Worker	3.4897	1.8218	19.5834	0.0696	9.9645	0.0544	10.0189	2.6431	0.0501	2.6931		6,938.9794	6,938.9794	0.1319		6,942.2762
Total	**4.1706**	**25.7542**	**27.5483**	**0.1511**	**12.2634**	**0.0876**	**12.3510**	**3.3046**	**0.0818**	**3.3864**		**15,803.4252**	**15,803.4252**	**0.7595**		**15,822.4130**

3.5 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2028

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	0.6611	23.5600	7.8179	0.0811	2.2990	0.0317	2.3308	0.6616	0.0303	0.6920		8,825.9354	8,825.9354	0.6274		8,841.6200
Worker	3.3031	1.6713	18.3300	0.0674	9.9645	0.0505	10.0150	2.6431	0.0464	2.6895		6,726.8079	6,726.8079	0.1207		6,729.8252
Total	**3.9642**	**25.2313**	**26.1479**	**0.1485**	**12.2635**	**0.0822**	**12.3457**	**3.3047**	**0.0767**	**3.3814**		**15,552.7433**	**15,552.7433**	**0.7481**		**15,571.4452**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2028

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	0.6611	23.5600	7.8179	0.0811	2.2990	0.0317	2.3308	0.6616	0.0303	0.6920		8,825.9354	8,825.9354	0.6274		8,841.6200
Worker	3.3031	1.6713	18.3300	0.0674	9.9645	0.0505	10.0150	2.6431	0.0464	2.6895		6,726.8079	6,726.8079	0.1207		6,729.8252
Total	**3.9642**	**25.2313**	**26.1479**	**0.1485**	**12.2635**	**0.0822**	**12.3457**	**3.3047**	**0.0767**	**3.3814**		**15,552.7433**	**15,552.7433**	**0.7481**		**15,571.4452**

3.5 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2029

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	0.6434	23.2002	7.6870	0.0806	2.2991	0.0303	2.3294	0.6617	0.0290	0.6906		8,789.1705	8,789.1705	0.6273		8,804.8528
Worker	3.0967	1.5305	17.1212	0.0655	9.9645	0.0468	10.0114	2.6431	0.0431	2.6862		6,539.6088	6,539.6088	0.1100		6,542.3577
Total	**3.7401**	**24.7307**	**24.8082**	**0.1462**	**12.2636**	**0.0771**	**12.3408**	**3.3047**	**0.0720**	**3.3768**		**15,328.7793**	**15,328.7793**	**0.7373**		**15,347.2105**

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Building Construction - 2029

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	0.6434	23.2002	7.6870	0.0806	2.2991	0.0303	2.3294	0.6617	0.0290	0.6906		8,789.1705	8,789.1705	0.6273		8,804.8528
Worker	3.0967	1.5305	17.1212	0.0655	9.9645	0.0468	10.0114	2.6431	0.0431	2.6862		6,539.6088	6,539.6088	0.1100		6,542.3577
Total	**3.7401**	**24.7307**	**24.8082**	**0.1462**	**12.2636**	**0.0771**	**12.3408**	**3.3047**	**0.0720**	**3.3768**		**15,328.7793**	**15,328.7793**	**0.7373**		**15,347.2105**

3.5 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2030

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	0.6289	22.8862	7.5934	0.0803	2.2992	0.0290	2.3282	0.6617	0.0277	0.6894		8,758.4439	8,758.4439	0.6267		8,774.1122
Worker	2.8907	1.4022	16.0330	0.0639	9.9645	0.0436	10.0081	2.6431	0.0401	2.6831		6,374.8097	6,374.8097	0.1004		6,377.3193
Total	**3.5196**	**24.2883**	**23.6264**	**0.1442**	**12.2637**	**0.0726**	**12.3363**	**3.3048**	**0.0678**	**3.3726**		**15,133.2537**	**15,133.2537**	**0.7271**		**15,151.4315**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2030

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	0.6289	22.8862	7.5934	0.0803	2.2992	0.0290	2.3282	0.6617	0.0277	0.6894		8,758.4439	8,758.4439	0.6267		8,774.1122
Worker	2.8907	1.4022	16.0330	0.0639	9.9645	0.0436	10.0081	2.6431	0.0401	2.6831		6,374.8097	6,374.8097	0.1004		6,377.3193
Total	**3.5196**	**24.2883**	**23.6264**	**0.1442**	**12.2637**	**0.0726**	**12.3363**	**3.3048**	**0.0678**	**3.3726**		**15,133.2537**	**15,133.2537**	**0.7271**		**15,151.4315**

3.5 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2031

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	0.6196	22.6674	7.5399	0.0801	2.2993	0.0280	2.3273	0.6617	0.0268	0.6885		8,741.9559	8,741.9559	0.6266		8,757.6203
Worker	2.6562	1.2779	14.9976	0.0626	9.9645	0.0408	10.0053	2.6431	0.0375	2.6806		6,245.6528	6,245.6528	0.0915		6,247.9413
Total	**3.2758**	**23.9453**	**22.5375**	**0.1426**	**12.2638**	**0.0688**	**12.3326**	**3.3048**	**0.0643**	**3.3691**		**14,987.6088**	**14,987.6088**	**0.7181**		**15,005.5616**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2031

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	0.6196	22.6674	7.5399	0.0801	2.2993	0.0280	2.3273	0.6617	0.0268	0.6885		8,741.9559	8,741.9559	0.6266		8,757.6203
Worker	2.6562	1.2779	14.9976	0.0626	9.9645	0.0408	10.0053	2.6431	0.0375	2.6806		6,245.6528	6,245.6528	0.0915		6,247.9413
Total	**3.2758**	**23.9453**	**22.5375**	**0.1426**	**12.2638**	**0.0688**	**12.3326**	**3.3048**	**0.0643**	**3.3691**		**14,987.6088**	**14,987.6088**	**0.7181**		**15,005.5616**

3.5 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2032

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	0.6097	22.4053	7.4918	0.0798	2.2993	0.0271	2.3264	0.6618	0.0259	0.6876		8,722.4982	8,722.4982	0.6261		8,738.1516
Worker	2.4480	1.1700	14.0570	0.0613	9.9645	0.0380	10.0025	2.6431	0.0350	2.6780		6,118.9720	6,118.9720	0.0835		6,121.0582
Total	**3.0576**	**23.5753**	**21.5488**	**0.1411**	**12.2639**	**0.0651**	**12.3289**	**3.3048**	**0.0608**	**3.3656**		**14,841.4702**	**14,841.4702**	**0.7096**		**14,859.2098**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2032

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	0.6097	22.4053	7.4918	0.0798	2.2993	0.0271	2.3264	0.6618	0.0259	0.6876		8,722.4982	8,722.4982	0.6261		8,738.1516
Worker	2.4480	1.1700	14.0570	0.0613	9.9645	0.0380	10.0025	2.6431	0.0350	2.6780		6,118.9720	6,118.9720	0.0835		6,121.0582
Total	**3.0576**	**23.5753**	**21.5488**	**0.1411**	**12.2639**	**0.0651**	**12.3289**	**3.3048**	**0.0608**	**3.3656**		**14,841.4702**	**14,841.4702**	**0.7096**		**14,859.2098**

3.5 Building Construction - 2033

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2033

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	0.6019	22.1690	7.4587	0.0796	2.2994	0.0262	2.3256	0.6618	0.0250	0.6868		8,706.3821	8,706.3821	0.6258		8,722.0281
Worker	2.2699	1.0789	13.2503	0.0602	9.9645	0.0355	10.0000	2.6431	0.0327	2.6757		6,009.2448	6,009.2448	0.0766		6,011.1592
Total	**2.8717**	**23.2478**	**20.7091**	**0.1398**	**12.2639**	**0.0617**	**12.3256**	**3.3048**	**0.0577**	**3.3625**		**14,715.6269**	**14,715.6269**	**0.7024**		**14,733.1873**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2033

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	0.6019	22.1690	7.4587	0.0796	2.2994	0.0262	2.3256	0.6618	0.0250	0.6868		8,706.3821	8,706.3821	0.6258		8,722.0281
Worker	2.2699	1.0789	13.2503	0.0602	9.9645	0.0355	10.0000	2.6431	0.0327	2.6757		6,009.2448	6,009.2448	0.0766		6,011.1592
Total	**2.8717**	**23.2478**	**20.7091**	**0.1398**	**12.2639**	**0.0617**	**12.3256**	**3.3048**	**0.0577**	**3.3625**		**14,715.6269**	**14,715.6269**	**0.7024**		**14,733.1873**

3.5 Building Construction - 2034

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2034

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	0.5950	21.9695	7.4266	0.0795	2.2995	0.0255	2.3250	0.6618	0.0244	0.6862		8,693.6110	8,693.6110	0.6256		8,709.2498
Worker	2.1200	1.0027	12.4938	0.0592	9.9645	0.0332	9.9977	2.6431	0.0305	2.6736		5,914.1346	5,914.1346	0.0702		5,915.8894
Total	**2.7150**	**22.9723**	**19.9204**	**0.1387**	**12.2640**	**0.0587**	**12.3227**	**3.3048**	**0.0549**	**3.3598**		**14,607.7456**	**14,607.7456**	**0.6957**		**14,625.1392**

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

3.5 Building Construction - 2034

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	0.5950	21.9695	7.4266	0.0795	2.2995	0.0255	2.3250	0.6618	0.0244	0.6862		8,693.6110	8,693.6110	0.6256		8,709.2498
Worker	2.1200	1.0027	12.4938	0.0592	9.9645	0.0332	9.9977	2.6431	0.0305	2.6736		5,914.1346	5,914.1346	0.0702		5,915.8894
Total	**2.7150**	**22.9723**	**19.9204**	**0.1387**	**12.2640**	**0.0587**	**12.3227**	**3.3048**	**0.0549**	**3.3598**		**14,607.7456**	**14,607.7456**	**0.6957**		**14,625.1392**

3.6 Paving - 2034

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

3.6 Paving - 2034

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	0.0262	0.0124	0.1545	7.3000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		73.1344	73.1344	8.7000e-004		73.1561
Total	**0.0262**	**0.0124**	**0.1545**	**7.3000e-004**	**0.1232**	**4.1000e-004**	**0.1236**	**0.0327**	**3.8000e-004**	**0.0331**		**73.1344**	**73.1344**	**8.7000e-004**		**73.1561**

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

3.6 Paving - 2034

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	0.0262	0.0124	0.1545	7.3000e-004	0.1232	4.1000e-004	0.1236	0.0327	3.8000e-004	0.0331		73.1344	73.1344	8.7000e-004		73.1561
Total	**0.0262**	**0.0124**	**0.1545**	**7.3000e-004**	**0.1232**	**4.1000e-004**	**0.1236**	**0.0327**	**3.8000e-004**	**0.0331**		**73.1344**	**73.1344**	**8.7000e-004**		**73.1561**

3.6 Paving - 2035

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0727**

3.6 Paving - 2035

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	0.0247	0.0117	0.1467	7.2000e-004	0.1232	3.9000e-004	0.1236	0.0327	3.5000e-004	0.0330		72.1329	72.1329	8.0000e-004		72.1530
Total	**0.0247**	**0.0117**	**0.1467**	**7.2000e-004**	**0.1232**	**3.9000e-004**	**0.1236**	**0.0327**	**3.5000e-004**	**0.0330**		**72.1329**	**72.1329**	**8.0000e-004**		**72.1530**

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0726**

3.6 Paving - 2035

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	0.0247	0.0117	0.1467	7.2000e-004	0.1232	3.9000e-004	0.1236	0.0327	3.5000e-004	0.0330		72.1329	72.1329	8.0000e-004		72.1530
Total	**0.0247**	**0.0117**	**0.1467**	**7.2000e-004**	**0.1232**	**3.9000e-004**	**0.1236**	**0.0327**	**3.5000e-004**	**0.0330**		**72.1329**	**72.1329**	**8.0000e-004**		**72.1530**

3.7 Architectural Coating - 2035

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	243.3892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	**243.5070**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

3.7 Architectural Coating - 2035

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	0.3996	0.1892	2.3759	0.0117	1.9962	6.2400e-003	2.0024	0.5295	5.7400e-003	0.5352		1,168.5534	1,168.5534	0.0130		1,168.8783
Total	**0.3996**	**0.1892**	**2.3759**	**0.0117**	**1.9962**	**6.2400e-003**	**2.0024**	**0.5295**	**5.7400e-003**	**0.5352**		**1,168.5534**	**1,168.5534**	**0.0130**		**1,168.8783**

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	243.3892					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	**243.5070**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.7081**

3.7 Architectural Coating - 2035

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	0.3996	0.1892	2.3759	0.0117	1.9962	6.2400e-003	2.0024	0.5295	5.7400e-003	0.5352		1,168.5534	1,168.5534	0.0130		1,168.8783
Total	**0.3996**	**0.1892**	**2.3759**	**0.0117**	**1.9962**	**6.2400e-003**	**2.0024**	**0.5295**	**5.7400e-003**	**0.5352**		**1,168.5534**	**1,168.5534**	**0.0130**		**1,168.8783**

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	12.1742	56.9517	146.5074	0.6687	87.5045	0.3600	87.8645	23.3681	0.3346	23.7026		68,395.1738	68,395.1738	2.5025		68,457.7350
Unmitigated	12.1742	56.9517	146.5074	0.6687	87.5045	0.3600	87.8645	23.3681	0.3346	23.7026		68,395.1738	68,395.1738	2.5025		68,457.7350

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,153.28	5,153.28	5153.28	14,501,587	14,501,587
City Park	950.00	950.00	950.00	2,028,110	2,028,110
Junior High School	1,704.00	1,704.00	1704.00	3,830,923	3,830,923
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	4,933.17	4,933.17	4933.17	8,649,351	8,649,351
Single Family Housing	4,380.16	4,380.16	4380.16	12,325,989	12,325,989
Total	17,120.61	17,120.61	17,120.61	41,335,960	41,335,960

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
Apartments Mid Rise	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	37.50	15.00	47.50	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Apartments Mid Rise	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
City Park	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Junior High School	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Other Non-Asphalt Surfaces	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Regional Shopping Center	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677
Single Family Housing	0.608372	0.031328	0.196626	0.099401	0.011724	0.004771	0.018575	0.020225	0.001894	0.001224	0.004299	0.000883	0.000677

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Proposed Blosser SE Specific Plan - South Central Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive 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	0.6386	5.4897	2.5636	0.0348		0.4412	0.4412		0.4412	0.4412		6,966.1100	6,966.1100	0.1335	0.1277	7,007.5061
NaturalGas Unmitigated	0.6386	5.4897	2.5636	0.0348		0.4412	0.4412		0.4412	0.4412		6,966.1100	6,966.1100	0.1335	0.1277	7,007.5061

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					
Apartments Mid Rise	16663.5	0.1797	1.5357	0.6535	9.8000e-003		0.1242	0.1242		0.1242	0.1242		1,960.4103	1,960.4103	0.0376	0.0359	1,972.0600
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	4751.42	0.0512	0.4658	0.3913	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.9911	558.9911	0.0107	0.0103	562.3130
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	848.525	9.1500e-003	0.0832	0.0699	5.0000e-004		6.3200e-003	6.3200e-003		6.3200e-003	6.3200e-003		99.8265	99.8265	1.9100e-003	1.8300e-003	100.4197
Single Family Housing	36948.5	0.3985	3.4051	1.4490	0.0217		0.2753	0.2753		0.2753	0.2753		4,346.8821	4,346.8821	0.0833	0.0797	4,372.7135
Total		**0.6386**	**5.4897**	**2.5636**	**0.0348**		**0.4412**	**0.4412**		**0.4412**	**0.4412**		**6,966.1100**	**6,966.1100**	**0.1335**	**0.1277**	**7,007.5061**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	16.6635	0.1797	1.5357	0.6535	9.8000e-003		0.1242	0.1242		0.1242	0.1242		1,960.4103	1,960.4103	0.0376	0.0359	1,972.0600
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior High School	4.75142	0.0512	0.4658	0.3913	2.7900e-003		0.0354	0.0354		0.0354	0.0354		558.9911	558.9911	0.0107	0.0103	562.3130
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.848525	9.1500e-003	0.0832	0.0699	5.0000e-004		6.3200e-003	6.3200e-003		6.3200e-003	6.3200e-003		99.8265	99.8265	1.9100e-003	1.8300e-003	100.4197
Single Family Housing	36.9485	0.3985	3.4051	1.4490	0.0217		0.2753	0.2753		0.2753	0.2753		4,346.8821	4,346.8821	0.0833	0.0797	4,372.7135
Total		**0.6386**	**5.4897**	**2.5636**	**0.0348**		**0.4412**	**0.4412**		**0.4412**	**0.4412**		**6,966.1100**	**6,966.1100**	**0.1335**	**0.1277**	**7,007.5061**

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	55.4333	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347	0.0000	173.7182	173.7182	0.1657	0.0000	177.8610
Unmitigated	55.4333	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347	0.0000	173.7182	173.7182	0.1657	0.0000	177.8610

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	14.6700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.8833					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8799	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347		173.7182	173.7182	0.1657		177.8610
Total	**55.4333**	**1.1087**	**96.1198**	**5.1000e-003**		**0.5347**	**0.5347**		**0.5347**	**0.5347**	**0.0000**	**173.7182**	**173.7182**	**0.1657**	**0.0000**	**177.8610**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.6700					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	37.8833					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8799	1.1087	96.1198	5.1000e-003		0.5347	0.5347		0.5347	0.5347		173.7182	173.7182	0.1657		177.8610
Total	**55.4333**	**1.1087**	**96.1198**	**5.1000e-003**		**0.5347**	**0.5347**		**0.5347**	**0.5347**	**0.0000**	**173.7182**	**173.7182**	**0.1657**	**0.0000**	**177.8610**

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

N2O Operational GHG Emission Mobile Calculations - Proposed

Project Code & Title: 17-04138 Blosser-Southeast Specific Plan Amendment

Vehicle Population Breakdown*	
305015	Gasoline vehicles
7931	Diesel vehicles
97.5%	Gasoline vehicle %
2.5%	Diesel vehicle %

VMT per Vehicle Type	
41,335,960	Project VMT (CalEEMod output)
40288365	Gasoline vehicle VMT
1047595	Diesel vehicle VMT

Gasoline Vehicles	
97.5%	Gasoline vehicle %
10.4003	Tons per year mobile NOX emissions (annual output in CalEEMod)
10.14	Gasoline vehicle tons per year NOX emissions
4.16%	Percentage to convert NOX emissions to N2O **
0.4217	Tons per year N2O emissions for gasoline vehicles
0.3825	Metric tons per year N2O emissions for gasoline vehicles

Diesel Vehicles	
0.3316	grams N2O per gallon of fuel for diesel vehicles**
25.25	Diesel average miles per gallon*
0.01314	grams per mile N2O for diesel vehicles
13760.4	grams per year N2O for diesel vehicles
0.0137604	Metric tons per year N2O emissions for diesel vehicles

CO2E Emissions from N2O	
0.3963	Metric tons per year from gasoline + diesel vehicles
298	GWP of N2O***
118.1	**CO2E emissions per year from N2O emissions from gasoline + diesel vehicles**

Sources
***Vehicle population source:** EMFAC2014 (v1.0.7) Emissions Inventory Region Type: County Region: Santa Barbara Calendar Year: 2024 Season: Annual Vehicle Classification: EMFAC2011 Categories ****Methodology source:** EMFAC2011 Frequently Asked Questions https://www.arb.ca.gov/msei/emfac2011-faq.htm *****GWP source:** Intergovernmental Panel on Climate Change (IPCC). 2007. AR4 Climate Change 2007: The Physical Science Basis. Contrbution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.

Appendix C

Special Status Species Table

Appendix C. Special Status Plant and Animal Species in the Regional Vicinity of the Project Site

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Plants and Lichens				
Agrostis hooveri Hoover's bent grass	None/None G2 / S2 1B.2	Chaparral, cismontane woodland, closed-cone coniferous forest, valley and foothill grassland. Sandy sites. 60-765 m. perennial herb. Blooms Apr-Jul	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Aphanisma blitoides aphanisma	None/None G3G4 / S2 1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. On bluffs and slopes near the ocean in sandy or clay soils. 3-305 m. annual herb. Blooms Feb-Jun	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Arctostaphylos pilosula Santa Margarita manzanita	None/None G2? / S2? 1B.2	Closed-cone coniferous forest, chaparral, broadleafed upland forest, cismontane woodland. Shale outcrops & slopes; reported growing on decomposed granite or sandstone. 60-1220 m. perennial evergreen shrub. Blooms Dec-May	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Arctostaphylos purissima La Purisima manzanita	None/None G2 / S2 1B.1	Chaparral, coastal scrub. Sandstone outcrops, sandy soil. 60-470 m. perennial evergreen shrub. Blooms Nov-May	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Arctostaphylos refugioensis Refugio manzanita	None/None G3 / S3 1B.2	Chaparral. On sandstone. 60-765 m. perennial evergreen shrub. Blooms Dec-Mar(May)	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Arctostaphylos rudis sand mesa manzanita	None/None G2 / S2 1B.2	Chaparral, coastal scrub. On sandy soils in Lompoc/Nipomo area. 20-335 m. perennial evergreen shrub. Blooms Nov-Feb	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Arenaria paludicola marsh sandwort	Endangered/Endangered G1 / S1 1B.1	Marshes and swamps. Growing up through dense mats of Typha, Juncus, Scirpus, etc. in freshwater marsh. Sandy soil. 3-170 m. perennial stoloniferous herb. Blooms May-Aug	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
				expected to occur.
Astragalus didymocarpus var. milesianus Miles' milk-vetch	None/None G5T2 / S2 1B.2	Coastal scrub. Clay soils. 50-385 m. annual herb. Blooms Mar-Jun	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Atriplex serenana var. davidsonii Davidson's saltscale	None/None G5T1 / S1 1B.2	Coastal bluff scrub, coastal scrub. Alkaline soil. 0-460 m. annual herb. Blooms Apr-Oct	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Calochortus obispoensis San Luis mariposa-lily	None/None G2 / S2 1B.2	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland. Often in serpentine grassland. 15-550 m. perennial bulbiferous herb. Blooms May-Jul	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Castilleja densiflora var. obispoensis San Luis Obispo owl's-clover	None/None G5T2 / S2 1B.2	Valley and foothill grassland, meadows and seeps. Sometimes on serpentine. 10-485 m. annual herb (hemiparasitic). Blooms Mar-May	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
				present within the project area. Species is not expected to occur.
Chenopodium littoreum coastal goosefoot	None/None G1 / S1 1B.2	Coastal dunes. 10-30 m. annual herb. Blooms Apr-Aug	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Chorizanthe rectispina straight-awned spineflower	None/None G2 / S2 1B.3	Chaparral, cismontane woodland, coastal scrub. Often on granite in chaparral. 45-1040 m. annual herb. Blooms Apr-Jul	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Cicuta maculata var. bolanderi Bolander's water-hemlock	None/None G5T4T5 / S2? 2B.1	Marshes and swamps, fresh or brackish water. 0-200 m. perennial herb. Blooms Jul-Sep	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Cirsium rhothophilum surf thistle	None/Threatened G1 / S1 1B.2	Coastal dunes, coastal bluff scrub. Open areas in central dune scrub; usually in coastal dunes. 3-60 m. perennial herb. Blooms Apr-Jun	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Cirsium scariosum var. loncholepis La Graciosa thistle	Endangered/Threatened G5T1 / S1 1B.1	Coastal dunes, coastal scrub, brackish marshes, valley and foothill grassland, cismontane woodland. Lake edges, riverbanks, other wetlands; often in dune areas. Mesic, sandy sites. 4-220 m. perennial herb. Blooms May-Aug	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Cladium californicum California saw-grass	None/None G4 / S2 2B.2	Meadows and seeps, marshes and swamps (alkaline or freshwater). Freshwater or alkaline moist habitats. -20-2135 m. perennial rhizomatous herb. Blooms Jun-Sep	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Clarkia speciosa ssp. immaculata Pismo clarkia	Endangered/Rare G4T1 / S1 1B.1	Chaparral, cismontane woodland, valley and foothill grassland. On ancient sand dunes not far from the coast. Sandy soils; openings. 30-185 m. annual herb. Blooms May-Jul	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
				expected to occur.
Cordylanthus rigidus ssp. littoralis seaside bird's-beak	None/Endangered G5T2 / S2 1B.1	Closed-cone coniferous forest, chaparral, cismontane woodland, coastal scrub, coastal dunes. Sandy, often disturbed sites, usually within chaparral or coastal scrub. 30-520 m. annual herb (hemiparasitic). Blooms Apr-Oct	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Deinandra increscens ssp. villosa Gaviota tarplant	Endangered/Endangered G4G5T2 / S2 1B.1	Coastal scrub, valley and foothill grassland, coastal bluff scrub. Known from coastal terrace near Gaviota; sandy blowouts amid sandy loam soil; grassland/coast scrub ecotone. 10-430 m. annual herb. Blooms May-Oct	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Delphinium parryi ssp. blochmaniae dune larkspur	None/None G4T2 / S2 1B.2	Chaparral, coastal dunes (maritime). On rocky areas and dunes. 18-305 m. perennial herb. Blooms Apr-Jun	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Dithyrea maritima beach spectaclepod	None/Threatened G1 / S1 1B.1	Coastal dunes, coastal scrub. Sea shores, on sand dunes, and sandy places near the shore. 3-65 m. perennial rhizomatous herb. Blooms Mar-May	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Dudleya blochmaniae ssp. blochmaniae Blochman's dudleya	None/None G3T2 / S2 1B.1	Coastal scrub, coastal bluff scrub, chaparral, valley and foothill grassland. Open, rocky slopes; often in shallow clays over serpentine or in rocky areas with little soil. 5-450 m. perennial herb. Blooms Apr-Jun	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Erigeron blochmaniae Blochman's leafy daisy	None/None G2 / S2 1B.2	Coastal dunes, coastal scrub. Sand dunes and hills. 0-185 m. perennial rhizomatous herb. Blooms Jun-Aug	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Eriodictyon capitatum Lompoc yerba santa	Endangered/Rare G2 / S2 1B.2	Closed-cone coniferous forest, chaparral. Sandy soils on terraces. 60-505 m. perennial evergreen shrub. Blooms May-Sep	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
				expected to occur.
Horkelia cuneata var. puberula mesa horkelia	None/None G4T1 / S1 1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 15-1645 m. perennial herb. Blooms Feb-Jul(Sep)	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Horkelia cuneata var. sericea Kellogg's horkelia	None/None G4T1? / S1? 1B.1	Closed-cone coniferous forest, coastal scrub, coastal dunes, chaparral. Old dunes, coastal sandhills; openings. Sandy or gravelly soils. 5-430 m. perennial herb. Blooms Apr-Sep	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Layia carnosa beach layia	Endangered/Endangered G2 / S2 1B.1	Coastal dunes, coastal scrub. On sparsely vegetated, semi-stabilized dunes, usually behind foredunes. 0-30 m. annual herb. Blooms Mar-Jul	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Layia heterotricha pale-yellow layia	None/None G2 / S2 1B.1	Cismontane woodland, coastal scrub, pinyon and juniper woodland, valley and foothill grassland. Alkaline or clay soils; open areas. 90-1800 m. annual herb. Blooms Mar-Jun	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Lonicera subspicata var. subspicata Santa Barbara honeysuckle	None/None G5T2? / S2? 1B.2	Chaparral, cismontane woodland, coastal scrub. 5-825 m. perennial evergreen shrub. Blooms May-Aug(Dec-Feb)	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Lupinus ludovicianus San Luis Obispo County lupine	None/None G1 / S1 1B.2	Chaparral, cismontane woodland. Open areas in sandy soil, Santa Margarita formation. 85-525 m. perennial herb. Blooms Apr-Jul	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Lupinus nipomensis Nipomo Mesa lupine	Endangered/Endangered G1 / S1 1B.1	Coastal dunes. Dry sandy flats, restricted to back dunes, associated with central dune scrub habitat - a rare community type. 10-50 m. annual herb. Blooms Dec-May	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
				expected to occur.
Malacothamnus gracilis slender bush-mallow	None/None G1Q / S1 1B.1	Chaparral. Dry, rocky slopes. 150-335 m. perennial deciduous shrub. Blooms May-Oct	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Monardella sinuata ssp. sinuata southern curly-leaved monardella	None/None G3T2 / S2 1B.2	Coastal dunes, coastal scrub, chaparral, cismontane woodland. Sandy soils. 20-305 m. annual herb. Blooms Apr-Sep	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Monardella undulata ssp. crispa crisp monardella	None/None G3T2 / S2 1B.2	Coastal dunes, coastal scrub. Often on the borders of open, sand areas, usually adjacent to typical backdune scrub vegetation. 5-125 m. perennial rhizomatous herb. Blooms Apr-Aug(Dec)	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Monardella undulata ssp. undulata San Luis Obispo monardella	None/None G2 / S2 1B.2	Coastal dunes, coastal scrub. Stabilized sand of the immediate coast. 5-200 m. perennial rhizomatous herb. Blooms May-Sep	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Nasturtium gambelii Gambel's water cress	Endangered/Threatened G1 / S1 1B.1	Marshes and swamps. Freshwater and brackish marshes at the margins of lakes and along streams, in or just above the water level. 5-330 m. perennial rhizomatous herb. Blooms Apr-Oct	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Nemacaulis denudata var. denudata coast woolly-heads	None/None G3G4T2 / S2 1B.2	Coastal dunes. 0-100 m. annual herb. Blooms Apr-Sep	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Scrophularia atrata black-flowered figwort	None/None G2? / S2? 1B.2	Closed-cone coniferous forest, chaparral, coastal dunes, coastal scrub, riparian scrub. Sand, diatomaceous shales, and soils derived from other parent material; around swales and in sand dunes. 10-445 m. perennial	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
		herb. Blooms Mar-Jul		expected to occur.
Symphyotrichum defoliatum San Bernardino aster	None/None G2 / S2 1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 2-2040 m. perennial rhizomatous herb. Blooms Jul-Nov	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Invertebrates				
Branchinecta lynchi vernal pool fairy shrimp	Threatened/None G3 / S3	Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain-filled pools. Inhabit small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools.	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Fish				
Eucyclogobius newberryi tidewater goby	Endangered/None G3 / S3 SSC	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County to the mouth of the Smith River. Found in shallow lagoons and lower stream reaches, they need fairly still but not stagnant	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
		water and high oxygen levels.		expected to occur.
Gasterosteus aculeatus williamsoni unarmored threespine stickleback	Endangered/Endangered G5T1 / S1 FP	Weedy pools, backwaters, and among emergent vegetation at the stream edge in small Southern California streams. Cool (<24 C), clear water with abundant vegetation.	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Gila orcuttii arroyo chub	None/None G2 / S2 SSC	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave & San Diego river basins. Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Oncorhynchus mykiss irideus pop. 10 steelhead - southern California DPS	Endangered/None G5T1Q / S1	Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County). Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions.	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Oncorhynchus mykiss irideus pop. 9 steelhead - south-central California coast DPS	Threatened/None G5T2Q / S2	Federal listing refers to runs in coastal basins from the Pajaro River south to, but not including, the Santa Maria River.	None	Project site is entirely within an active agricultural field and associated staging areas. No suitable habitat present within the project area. Species is not expected to occur.
Amphibians				
Ambystoma californiense California tiger salamander	Threatened/Threatened G2G3 / S2S3 WL	Central Valley DPS federally listed as threatened. Santa Barbara and Sonoma counties DPS federally listed as endangered. Need underground refuges, especially ground squirrel burrows, and vernal pools or other seasonal water sources for breeding.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The project site is located outside of the range of the species and is not located within a metapopulation area (USFWS, 2016). The project site is also not located within 1.24 of known or potential breeding ponds. The species is not expected to occur
Anaxyrus californicus arroyo toad	Endangered/None G2G3 / S2S3 SSC	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc. Rivers with sandy banks, willows, cottonwoods, and	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
		sycamores; loose, gravelly areas of streams in drier parts of range.		operations. The species is not expected to occur.
Rana boylii foothill yellow-legged frog	None/Candidate Threatened G3 / S3 SSC	Partly-shaded, shallow streams and riffles with a rocky substrate in a variety of habitats. Needs at least some cobble-sized substrate for egg-laying. Needs at least 15 weeks to attain metamorphosis.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Rana draytonii California red-legged frog	Threatened/None G2G3 / S2S3 SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habitat.	Low	The site is generally unsuitable due to the existing agricultural activities and surrounding urban development. The on-site agricultural basin may provide marginally suitable habitat for the species due to the amount of disturbance, lack of vegetation, and highly variable water levels. A CNDDB occurrence is located at A Street and Battles Road within a basin that has connectivity to the City storm water ditch adjacent to the site. The species is only expected to

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
				occur transiently on site due to proximity to this feature and if water is present.
Spea hammondii western spadefoot	None/None G3 / S3 SSC	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	None	No suitable habitat present. The on-site agricultural basin water levels likely fluctuate to greatly to provide suitable breeding habitat. In addition, the project site is comprised of an isolated in-fill property comprised of active agricultural fields which are regularly plowed. The species is not expected to occur.
Reptiles				
Anniella pulchra northern California legless lizard	None/None G3 / S3 SSC	Sandy or loose loamy soils under sparse vegetation. Soil moisture is essential. They prefer soils with a high moisture content.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Emys marmorata western pond turtle	None/None G3G4 / S3 SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Phrynosoma blainvillii coast horned lizard	None/None G3G4 / S3S4 SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Thamnophis hammondii two-striped gartersnake	None/None G4 / S3S4 SSC	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Birds				
Accipiter striatus sharp-shinned hawk	None/None G5 / S4 WL	Ponderosa pine, black oak, riparian deciduous, mixed conifer, and Jeffrey pine habitats. Prefers riparian areas. North-facing slopes with plucking perches are critical requirements. Nests usually within 275 ft of water.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Agelaius tricolor tricolored blackbird	None/Threatened G2G3 / S1S2 SSC	Highly colonial species, most numerous in Central Valley & vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Aimophila ruficeps canescens southern California rufous-crowned sparrow	None/None G5T3 / S3 WL	Resident in Southern California coastal sage scrub and sparse mixed chaparral. Frequents relatively steep, often rocky hillsides with grass and forb patches.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Athene cunicularia burrowing owl	None/None G4 / S3 SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Buteo swainsoni Swainson's hawk	None/Threatened G5 / S3	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, & agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Charadrius alexandrinus nivosus western snowy plover	Threatened/None G3T3 / S2S3 SSC	Sandy beaches, salt pond levees & shores of large alkali lakes. Needs sandy, gravelly or friable soils for nesting.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Eremophila alpestris actia California horned lark	None/None G5T4Q / S4 WL	Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills. Short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Falco peregrinus anatum American peregrine falcon	Delisted/Delisted G4T4 / S3S4 FP	Near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human-made structures. Nest consists of a scrape or a depression or ledge in an open site.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Laterallus jamaicensis coturniculus California black rail	None/Threatened G3G4T1 / S1 FP	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Setophaga petechia yellow warbler	None/None G5 / S3S4 SSC	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Sternula antillarum browni California least tern	Endangered/Endangered G4T2T3Q / S2 FP	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, land fills, or paved areas.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Vireo bellii pusillus least Bell's vireo	Endangered/Endangered G5T2 / S2	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Mammals				
Antrozous pallidus pallid bat	None/None G5 / S3 SSC	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts must protect bats from high temperatures. Very sensitive to	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
		disturbance of roosting sites.		not expected to occur.
Corynorhinus townsendii Townsend's big-eared bat	None/None G3G4 / S2 SSC	Throughout California in a wide variety of habitats. Most common in mesic sites. Roosts in the open, hanging from walls and ceilings. Roosting sites limiting. Extremely sensitive to human disturbance.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Lasiurus blossevillii western red bat	None/None G5 / S3 SSC	Roosts primarily in trees, 2-40 ft above ground, from sea level up through mixed conifer forests. Prefers habitat edges and mosaics with trees that are protected from above and open below with open areas for foraging.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. High levels of disturbance occur surrounding the on-site trees. The species is not expected to occur.
Taxidea taxus American badger	None/None G5 / S3 SSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	None	No suitable habitat present. The project site is comprised of an in-fill property comprised of active agricultural operations. The species is not expected to occur.
Sensitive Natural Communities				

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations
Central Dune Scrub	None/None G2 / S2.2		None	Community does not occur in the Project Area
Central Foredunes	None/None G1 / S1.2		None	Community does not occur in the Project Area
Coastal and Valley Freshwater Marsh	None/None G3 / S2.1		None	Community does not occur in the Project Area
Southern California Threespine Stickleback Stream	None/None GNR / SNR		None	Community does not occur in the Project Area
Southern Vernal Pool	None/None GNR / SNR		None	Community does not occur in the Project Area

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Project Area	Habitat Suitability/ Observations

Regional Vicinity refers to the *Santa Maria, California* 7.5-minute USGS quadrangle and eight surrounding quadrangles.

FT = Federally Threatened
FC = Federal Candidate Species
FE = Federally Endangered
FS=Federally Sensitive
SE = State Endangered
ST = State Threatened
SR = State Rare
SS=State Sensitive

G-Rank/S-Rank = Global Rank and State Rank as per NatureServe and CDFW's CNDDB RareFind3
SSC = CDFW Species of Special Concern

FP = Fully Protected
WL = Watch List

CRPR (CNPS California Rare Plant Rank):

1A=Presumed Extinct in California

1B=Rare, Threatened, or Endangered in California and elsewhere

2A=Plants presumed extirpated in California, but more common elsewhere

2B=Plants Rare, Threatened, or Endangered in California, but more common elsewhere

CRPR Threat Code Extension:

.1=Seriously endangered in California (over 80% of occurrences threatened/high degree and immediacy of threat)

.2=Fairly endangered in California (20-80% occurrences threatened)

.3=Not very endangered in California (<20% of occurrences threatened)

Appendix D

Cultural Resources Study

Rincon Consultants, Inc.
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Santa Barbara, California 93101

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July 1, 2019
Project No: 17-04138

Neda Zayer, Principal Planner
City of Santa Maria
Community Development Department
110 South Pine Street #101
Santa Maria, California 93458

Subject: **Blosser Southeast Specific Plan, Cultural Resources Study**
South Blosser Road, Santa Maria, California 93454

Dear Ms. Zayer:

Rincon Consultants, Inc. (Rincon) was retained by the City of Santa Maria to prepare a Cultural Resources Study for the Blosser Southeast Specific Plan Project (project) in the city of Santa Maria, California. Rincon completed a cultural resources record search, pedestrian survey, built environment evaluation, and Native American outreach for this project and summarized the results in this cultural resources memorandum. This study was completed in compliance with the California Environmental Quality Act (CEQA) and the City of Santa Maria is the lead CEQA agency for the project.

Project Location and Description

The Project site is located in the City of Santa Maria at the southeast corner of Stowell Road and Blosser Road. The Project site includes 155 acres and is currently used for agricultural purposes. The Project would construct a maximum of 976 dwelling units in addition to the neighborhood commercial, public facility, and open space uses developed in the original Specific Plan for this area (Attachment 1). As part of the development, a Supplemental Environmental Impact Report (SEIR) is required. This report analyzes the potential impacts to cultural resources.

Records Search

On May 22, 2019, Ms. Mary Pfeiffer conducted a search of the California Historical Resources Information System at the Central Coastal Information Center (CCIC) located at University of California, Santa Barbara. The search was conducted to identify previously recorded cultural resources (prehistoric or historic), as well as prior cultural resources work within a 0.5-mile radius of the project site. The records search also included a review of the National Register of Historic Places (NRHP), the California Register of Historic Places (CRHR), the California State Historic Resources Inventory list, and a review of available historical maps and aerial photographs. The results of the CCIC record search are provided in Attachment 2.

The CCIC records search identified nine previously conducted cultural resources studies within a 0.5-mile radius of the project site (Table 1). Of those nine studies, two studies (SR-04452 and SR-04457) include a portion of the project site and are discussed in further detail below.

Table 1 Previous Cultural Resource Studies within 0.5 Mile of the Project Site

Report Number	Author	Year	Title	Relationship to Project Site
SR-02791	Applied Earthworks and California Department of Transportation	2002	*Historic Architectural Survey Report for the Morrison and Broadway Widening Project - Santa Maria, California*	Outside
SR-02791A	Applied Earthworks, Inc.	2002	*Attachment 1: Historic Architectural Survey Report for the Morrison and Broadway Widening Project, Santa Maria, California*	Outside
SR-02805	C. Denardo	2002	*Historic Architectural Survey Report for the Morrison and Broadway Widening Project - Santa Maria, California*	Outside
SR-03152	C. Harper	2004	*Cultural Resource Assessment: Cingular Wireless Facility No. VY 368-01, Santa Maria, Santa Barbara County, California*	Outside
SR-03541	K. Wilson	2005	*Historic Property Survey Report for the Santa Maria Railroad Bikeway*	Outside
SR-04452	M. Linder, M. Linder, B. Price	2008	*Cultural Resources Survey for the Santa Maria-Sisquoc 70kV Transmission Line Reconductor Project, Santa Barbara County, California*	**Within**
SR-04557	M. Linder and B. Price	2009	*Cultural Resources Survey For The Fairway Tap 115-kv Tower Replacement Project from Santa Maria to Orcutt, Santa Barbara County*	**Within**
SR-04609	R. Wlodarski	2010	*A Phase 1 Archaeological study For the Proposed Santa Maria Casa de Familia Housing Project Between Morrison Avenue and Park Avenue, and west of Buena Vista Park City of Santa Maria, Santa Barbara County, California*	Outside
SR-04780	L. Billat	2009	*Project Name: DSA Santa Maria HS / SF-91520A. Project Address: 901 S Broadway, Santa Maria, Santa Barbara County, CA*	Outside

Source: CCIC 2019

SR-04452

Report SR-04452 consists of a Phase I cultural survey conducted for a proposed replacement of 10 miles of 70-kilovolt transmission line between Cook Street in Santa Maria and 3790 Orcutt-Garey Road in rural Santa Barbara County for the Pacific Gas and Electric Company. The survey was conducted in 2008 by Marc D. Linder, Megan M. Linder, and Barry A. Price of Applied EarthWorks, Inc. The survey identified

one historic-age resource (CA-1885-1H) consisting of an oil well and storage tanks. This resource is located outside the current project site and the 0.5-mile buffer.

SR-04457

Report SR-04457 consists of a Phase I cultural survey conducted for a proposed replacement of 2.8 miles of 115-kilovolt conductors and towers in Santa Maria for Pacific Gas and Electric Company. The survey was conducted in 2008 by Marc D. Linder and Barry A. Price of Applied EarthWorks, Inc. The survey identified two historic-age cultural resources, a pump house and shed (P-42-040937) and a wood framed shed designated AE-1851-2H by the authors.

The results of the CCIC record search identified two cultural resources documented within a 0.5-mile radius of the project site (Table 2). These resources are the Santa Maria Union High School Drafting and Science Building (P-42-040892) and a pump house and associated concrete foundation (P-42-040937). P-42-040937 is located within the project site and is discussed in more detail below.

Table 2 Previously Recorded Cultural Resources within 0.5 mile of Project Site

Primary Number	Resource Type	Description	Recorder(s) and Year(s)	Eligibility Status	Relationship to APE
P-42-040892	Historic Building	Santa Maria Union High School Drafting and Science Building constructed in 1935.	Denardo, C. 2001	Ineligible for NR, CR, and local designation through survey evaluation (6Z)	Outside
P-42-040937	Historic Building	Historic-era resource consisting of a Shed/pump house and concrete foundation	Linder, M. 2008	Not evaluated	**Within**

Source: CCIC 2019

P-42-040937

This historic-age resource consists of a wood and corrugated metal building and pipe system. The site was recorded in 2009 by Applied EarthWorks, Inc. as part of the Fairway Tap 115-kV Tower Replacement Project. The pump house was assumed to date to the mid-twentieth century based on materials used. Modern pumps and storage containers have replaced the original pumps and containers. This resource was not evaluated for listing on the CRHR as part of the 2009 cultural resources survey.

Native American Coordination

Rincon Archaeologist Dustin Merrick contacted the Native American Heritage Commission (NAHC) on May 24, 2019 to request a Sacred Lands File search of the project site. The NAHC responded June 10,

2019 with negative results. Mr. Merrick sent letters to the local Native American contacts identified by the NAHC as potentially having knowledge of the project site on June 13, 2019.

As of the date of this memo, Rincon has not received any additional responses to our outreach efforts. All correspondence can be found in Attachment 3.

Pedestrian Survey

Rincon staff conducted a field survey of the project site June 12 and June 21, 2019. Rincon staff surveyed the project site using transects spaced 15 meters apart and examined areas of exposed ground surface for prehistoric artifacts (e.g., chipped stone tools and production debris, stone milling tools, ceramics), historic debris (e.g., metal, glass, ceramics), or soil discoloration that might indicate the presence of a cultural midden. Project site characteristics and survey conditions were recorded using a field notebook and a digital camera. Copies of the digital photographs are on file with Rincon's Ventura office.

The pedestrian field survey identified no archaeological resources within the project site. The project site is largely disturbed, as it is an active agricultural field (Attachment 4, Figure 1). Ground visibility was poor (approximately 15 percent) due to planted and maintained agricultural rows (Attachment 4, Figure 2). Visibility increased to approximately 70 percent within the southwest portion of the project site, as no crops were planted within this section (Attachment 4, Figure 3). Soil consisted of a light brown, very fine-grained silt. Exposed soils associated with animal burrows, primarily confined to the drainage ditch on the southwestern boundary, were examined to assess the underlying sediments for cultural materials (Attachment 4, Figure 4). This examination found no evidence indicating the presence of buried subsurface archaeological deposits within the project site.

The pedestrian field survey identified two buildings that exceed 45 years in age within the project site, a circa-1930s storage building and the mid-twentieth-century pump house previously recorded as P-42-040937. Observations were recorded in written notes and digital photographs and are discussed below. Both buildings were recorded and evaluated for historic significance on California Department of Parks and Recreation (DPR) 523 series forms, which are included as in Attachment 5.

Built Environment Evaluation

The field survey identified two structures within the project site that exceed the 45 year threshold for evaluation for the CRHR. Although one of these buildings was previously recorded (P-42-040937), both are situated on a single parcel (APN 117-240-028) and are associated in ownership and use; therefore they were recorded and evaluated as a single resource for the current project. Located on the north side of the property, near the West Stowell Road frontage, is a storage building (Attachment 4, Figure 5) constructed ca. the 1930s with a large addition dating sometime between 1977 and 1994. Overall, the building has a roughly rectangular plan, concrete foundation, wood-frame structural system. The east section possesses a corrugated-metal-clad gabled roof with small ridge monitor. Fenestration consists of a wood-panel door and a fixed multi-pane window, both on the north elevation. On the east elevation, a set of concrete steps leads to a small loading dock, behind which is a boarded-over entrance. The west addition possesses a metal-clad shed roof and an open north elevation. Six large bays are delineated by heavy timber structural posts. In several locations roof and wall cladding are missing or damaged.

On the west side of the project area, fronting South Depot Street, is a pump house (Attachment 4, Figure 6) constructed sometime between 1937 and 1952 and its associated equipment (previously

recorded as P-42-040937). The shed-type building is rectangular in plan and topped with a gabled roof with deteriorating corrugated metal cladding. Its corrugated-metal-clad exterior is punctuated by an open, east-facing door opening. Located immediately adjacent to its west and north is modern pumping equipment, including a metal overhead water spigot standing approximately 15 feet in height. Further north is an associated concrete foundation (Attachment 4, Figure 6) measuring approximately 15 feet long, 5 feet wide.

Santa Maria and its vicinity were first developed for agriculture in the second half of the nineteenth century. The community of Santa Maria was established in 1875 and grew into a commercial and population center for the agricultural and, later, petroleum industries on its outskirts (City of Santa Maria 2012). A 1937 aerial photograph of the area reveals that the subject property was in use for farming. Three residences (no longer extant) occupied a site at the north end of the property, while the remainder was planted with crops. Agricultural development also characterized most of the surrounding area (UCSB Map & Imagery Lab 1937). Post-World War II growth fueled the expansion of Santa Maria, and by the 1960s, much of the area surrounding the subject property was developed for commercial and industrial uses (City of Santa Maria 2012; UCSB Map & Imagery Lab 1964, 1966; Netronline 2019). Despite ongoing urban encroachment in the surrounding area, the subject property retained its agricultural character. The residences located along West Stowell Road were razed by 2009 (Netronline 2019).

The subject property (property) is recommended ineligible for listing in the NRHP and CRHR and for designation as a City of Santa Maria Place of Historic Merit because the property lacks historical significance. Although the property is associated with agricultural development in Santa Maria, research conducted did not suggest it was significant in this, or any other, context in the history of the city, region, state, or nation. The property is therefore recommended ineligible for listing under Criteria A/1. Because available sources do not suggest any former occupants of the property made important historical contributions, the property is recommended ineligible under Criteria B/2. The buildings located on the property are ordinary and utilitarian and are of types commonly found on agricultural properties. As such, they do not embody the distinctive characteristics of a type, period, or method of construction, represent the work of a master, or possess high artistic values and are, as a result, recommended ineligible for listing under Criteria C/3. A review of available evidence and records search results did not indicate that the property may yield important information about prehistory or history. Therefore it is recommended ineligible under Criteria D/4.

The subject property also appears ineligible for designation as a City of Santa Maria Place of Historic Merit because it does not "have historical, cultural, aesthetic or special character or interest for the general public." In addition, the subject property is not located within an established City of Santa Maria Historic Overlay District.

Findings and Recommendations

The results of the CCIC records search identified one previously recorded historic-era cultural resource within the project site (P-42-040937). This pump house and an associated storage building were recorded and evaluated as a single resource for the current study and found ineligible for federal, state, or local designation; it is therefore not considered a historical resource under CEQA. No additional cultural resources were identified during the pedestrian survey. As a result, Rincon recommends a finding of ***no impact to historical resources*** and ***no impact to archaeological resources*** under the

California Environmental Quality Act (CEQA) and the City of Santa Maria General Plan Resources Management Element for the current project. Rincon recommends a standard unanticipated discovery measure, presented below, in the event of a discovery of cultural resources during the execution of the current project.

Unanticipated Discovery of Archaeological Resources

If archaeological resources are encountered during ground-disturbing activities, work in the immediate area should be halted and an archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for archaeology (National Park Service 1983) should be contacted immediately to evaluate the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing for CRHR eligibility. If the discovery proves to be significant under CEQA and cannot be avoided by the project, additional work, such as data recovery excavation, may be warranted to mitigate any significant impacts to historical resources.

Unanticipated Discovery of Human Remains

The discovery of human remains is always a possibility during ground-disturbing activities. If human remains are found, the State of California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner determines origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the County Coroner must be notified immediately. If the human remains are determined to be prehistoric, the Coroner will notify the NAHC, which will determine and notify a most likely descendant (MLD). The MLD shall complete the inspection of the site and provide recommendations for treatment to the landowner within 48 hours of being granted access.

Please do not hesitate to contact Rincon with any questions regarding this archaeological study.

Sincerely,

Rincon Consultants, Inc.

Christopher A. Duran, M.A., RPA
Principal

Breana Campbell-King, M.A., RPA
Principal Investigator

James Williams, M.A.
Architectural Historian

References

Linder, Marc D. and Barry A. Price

2009 Cultural Resources Survey for the Fairway Tap 115-kV Tower Replacement Project from Santa Maria to Orcutt, Santa Barbara County, California. City off Report on file at the Central Coast Information Center, University of California, Santa Barbara

Netronline

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Santa Maria, City of

2012 "A Bit About the History of Santa Maria." https://web.archive.org/web/20121105113623/http://www.ci.santa-maria.ca.us/history.html. Accessed June 24, 2019

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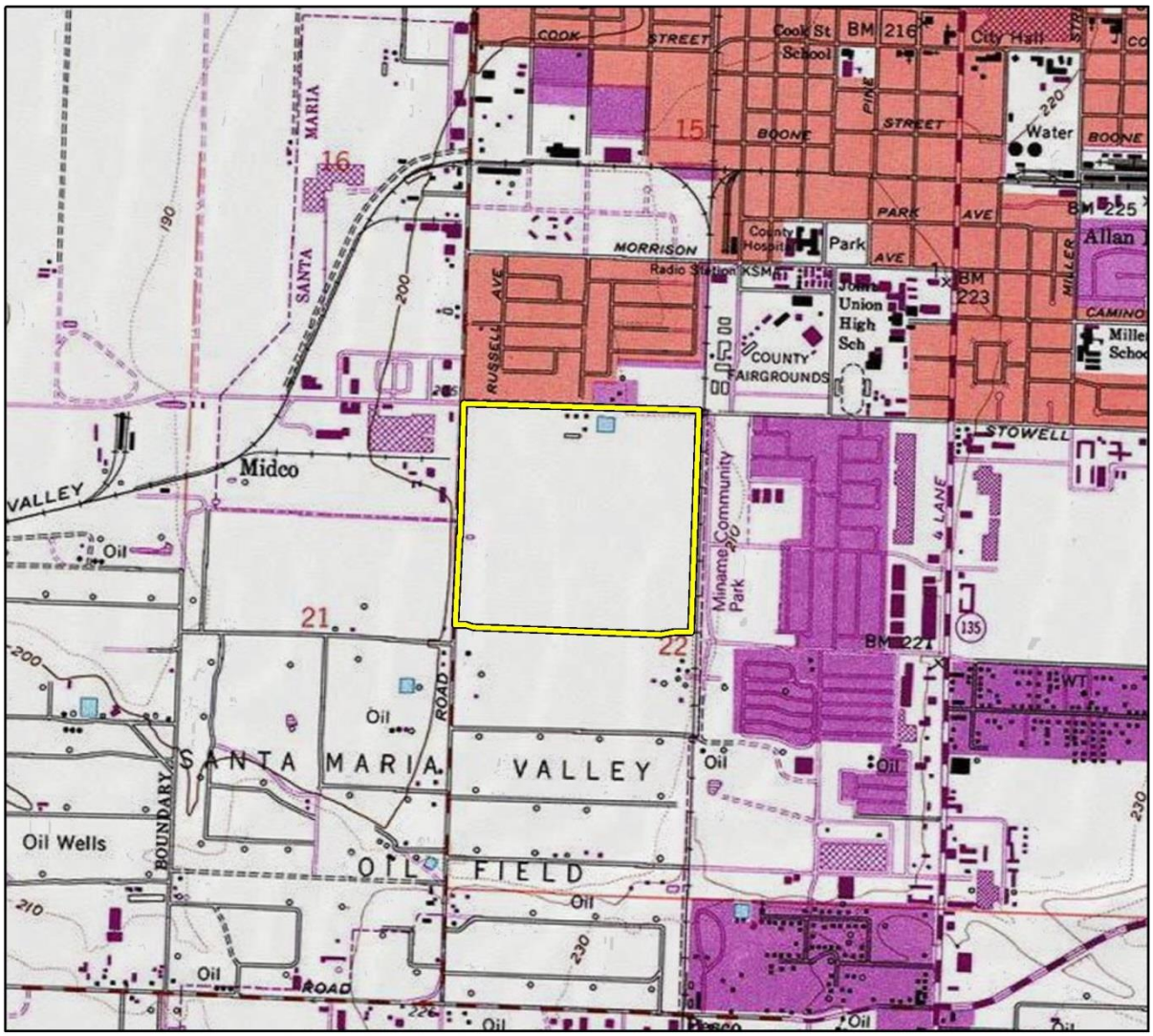
Var. FrameFinder. [aerial photograph database]. Aerials of project area viewed online. http://mil.library.ucsb.edu/ap_indexes/FrameFinder/. Accessed June 24, 2019

Attachments

1. USGS Quad Map with Survey Area Identified
2. Summary of Record Search Results
3. Native American Outreach
4. Figures
5. California Department of Parks and Recreation 523 forms

Attachment 1

USGS Quad Map with Survey Area Identified



Imagery provided by National Geographic Society, Esri and its licensors © 2019. Santa Maria Quadrangle. T10N R34W S22. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may havechanged since the original topographic map was assembled.

Project Location

0 1,000 2,000 Feet

N

CRFig 1 Proj Locn Map

Imagery provided by Microsoft Bing and its licensors © 2019.

Fig 2-2 Project Location

Attachment 2

Summary of Records Search Results

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
SR-02791		2002	Applied Earthworks and California Department of Transportation	Historic Architectural Survey Report for the Morrison and Broadway Widening Project - Santa Maria, California	Applied Earthworks, Inc. and California Department of Transportation	
SR-02791A		2002	Applied Earthworks, Inc.	Attachment 1: Historic Architectural Survey Report for the Morrison and Broadway Widening Project, Santa Maria, California	Applied Earthworks, Inc.	
SR-02805		2002	Denardo, Carole	Historic Architectural Survey Report for the Morrison and Broadway Widening Project - Santa Maria, California	Applied Earthworks	42-040891, 42-040892, 42-040893, 42-040894
SR-03152	Other - LSA Project No. PBM330T12	2004	Harper, Caprice D. (Kip)	Cultural Resource Assessment: Cingular Wireless Facility No. VY 368-01, Santa Maria, Santa Barbara County, California	LSA Associates, Inc.	
SR-03541		2005	Wilson, Kelda	Historic Property Survey Report for the Santa Maria Railroad Bikeway	Compass Rose Archaeological, inc. & Post/Hazeltine Associates	
SR-04452		2008	Linder, Marc D., Linder, Megan M., and Price, Barry A.	Cultural Resources Survey for the Santa Maria-Sisquoc 70kV Transmission Line Reconductor Project, Santa Barbara County, California	Applied EarthWorks, Inc.	42-002457
SR-04557		2009	Marc D Linder and Barry A Price	Cultural Resources Survey For The Fairway Tap 115-kv Tower Replacement Project from Santa Maria to Orcutt, Santa Barbara County		42-040936, 42-040937
SR-04609		2010	Robert J. Wlodarski	A Phase 1 Archaeological study For the Proposed Santa Maria Casa de Familia Housing Project Between Morrison Avenue and Park Avenue, and west of Buena Vista Park City of Santa Maria, Santa Barbara County, California	Historical Environmental Archaeological Research Team	
SR-04780		2009	Billat, Lorna	Project Name: DSA Santa Maria HS / SF-91520A. Project Address: 901 S Broadway, Santa Maria, Santa Barbara County, CA	EarthTouch, Inc.	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-42-040892		OHP Property Number - 132572; Resource Name - Santa Maria Junior College Building: Drafting and Science Building	Building	Historic	HP15	2001 (C. Denardo, Applied EarthWorks, Inc.)	SR-02805
P-42-040937		Other - AE-1851-1H	Building, Structure	Historic	AH02; AH06; AH15	2008 (M. Linder, Applied EarthWorks, Inc.)	SR-04557

Attachment 3

Native American Outreach

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
Phone: (916) 373-3710
Email: nahc@nahc.ca.gov
Website: http://www.nahc.ca.gov
Twitter: @CA_NAHC

June 10, 2019

Dustin Merrick
Rincon Consultants

VIA Email to: dmerrick@rinconconsultants.com

RE: Blosser Southeast Specific Plan Project, Santa Barbara County

Dear Mr. Merrick:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information. If you have any questions or need additional information, please contact me at my email address: steven.quinn@nahc.ca.gov.

Sincerely,

Steven Quinn
Associate Governmental Program Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Santa Barbara County
6/10/2019

Barbareno/ Ventureno Band of Mission Indians
Patrick Tumamait,
992 El Camino Corto — Chumash
Ojai, CA, 93023
Phone: (805) 216 - 1253

Barbareno/Ventureno Band of Mission Indians
Julie Tumamait-Stenslie, Chairperson
365 North Poli Ave — Chumash
Ojai, CA, 93023
Phone: (805) 646 - 6214
jtumamait@hotmail.com

Barbareno/ Ventureno Band of Mission Indians
Eleanor Arrellanes,
P. O. Box 5687 — Chumash
Ventura, CA, 93005
Phone: (805) 701 - 3246

Barbareno/ Ventureno Band of Mission Indians
Raudel Banuelos,
331 Mira Flores — Chumash
Camarillo, CA, 93012
Phone: (805) 427 - 0015

Chumash Council of Bakersfield
Julio Quair, Chairperson
729 Texas Street — Chumash
Bakersfield, CA, 93307
Phone: (661) 322 - 0121
chumashtribe@sbcglobal.net

Coastal Band of the Chumash Nation
Gino Altamirano, Chairperson
P. O. Box 4464 — Chumash
Santa Barbara, CA, 93140
cbcn.consultation@gmail.com

Northern Chumash Tribal Council
Fred Collins, Spokesperson
P.O. Box 6533 — Chumash
Los Osos, CA, 93412
Phone: (805) 801 - 0347
fcollins@northernchumash.org

San Luis Obispo County Chumash Council
Mark Vigil, Chief
1030 Ritchie Road — Chumash
Grover Beach, CA, 93433
Phone: (805) 481 - 2461
Fax: (805) 474-4729

Santa Ynez Band of Chumash Indians
Kenneth Kahn, Chairperson
P.O. Box 517 — Chumash
Santa Ynez, CA, 93460
Phone: (805) 688 - 7997
Fax: (805) 686-9578
kkahn@santaynezchumash.org

yak tityu tityu yak tiłhini – Northern Chumash Tribe
Mona Tucker, Chairperson
660 Camino Del Rey — Chumash
Arroyo Grande, CA, 93420
Phone: (805) 748 - 2121
olivas.mona@gmail.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Blosser Southeast Specific Plan Project, Santa Barbara County.

Attachment 4

Figures

Figure 1 Active Agricultural Field, View North

Figure 2 Ground Visibility Within Project Site

Figure 3 Increased Ground Visibility Within Southwest Portion of Project Site, View South

Figure 4 Drainage Ditch Within Project Site, View West

Figure 5 Storage Building, View Southwest

Figure 6 Pump House, View Northwest

Figure 7 Concrete Foundation, View Southwest

Attachment 5

California Department of Parks and Recreation 523 forms

State of California – The Resources Agency **Primary #**
DEPARTMENT OF PARKS AND RECREATION **HRI #**

PRIMARY RECORD

Trinomial
NRHP Status Code **6Z**

Other Listings
Review Code **Reviewer** **Date**

Page 1 of 5 ***Resource Name or #:** 990 West Stowell Road

P1. Other Identifier:

***P2. Location:** ☐ **Not for Publication** ■ **Unrestricted** ***a. County:** Santa Barbara

***b. USGS 7.5' Quad:** *Santa Maria* **Date:** 2015 Township 10N, Range 34 W, Section 22 S.B.**B.M.**

c. Address: 980-990 West Stowell Road City: Santa Maria Zip: 93458

d. UTM: Zone: mE/ mN (G.P.S.)

e. Other Locational Data: APN: 117-240-028

***P3a. Description:**

The subject property consists of two utility buildings and a concrete foundation situated on an agricultural property in an urbanized area in the city of Santa Maria. The approximately 145-acre crop field is bounded by South Depot Street, and South Blosser, West Battles, and West Stowell roads. The property consists of a storage building and a pump house with a nearby concrete foundation. Outside the footprints of these features, the property is almost entirely occupied by a crop field.

Located near the property's West Stowell Road frontage, the one-story storage building is of a utilitarian design and consists of a stucco-clad section at its east end and a larger metal clad addition on the west. Overall, the building has a roughly rectangular plan, concrete foundation, wood-frame structural system. The east section possesses a corrugated-metal-clad gabled roof with small ridge monitor. Fenestration consists of a wood-panel door and a fixed multi-pane window, both on the north elevation. On the east elevation, a set of concrete steps leads to a small loading dock, behind which is a boarded-over entrance. The west addition possesses a metal-clad shed roof and an open north elevation. Six large bays are delineated by heavy timber structural posts. In several locations roof and wall cladding are missing or damaged.

The pump house is located near the property's east boundary, along South Depot Street. The utilitarian shed-type building is rectangular in plan and topped with a gabled roof with deteriorating corrugated metal cladding. Its corrugated-metal-clad exterior is punctuated by an open, east-facing door opening. Located immediately adjacent to its west and north is modern pumping equipment, including a metal overhead water spigot standing approximately 15 feet in height. Further north is a concrete foundation measuring approximately 15 feet long, 5 feet wide.

***P3b. Resource Attributes:** HP4. Ancillary building

***P4. Resources Present:** ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing

P5b. Description of Photo:
Storage building, east and north elevations. Camera facing west.

***P6. Date Constructed/Age and Sources:**
■ Historic ☐ Prehistoric ☐ Both

See *B6. Construction History

***P7. Owner and Address:**
N/A

***P8. Recorded by:**
James Williams
Rincon Consultants
180 N. Ashwood Avenue
Ventura, CA 90003

***P9. Date Recorded:**
June 12, 2019

***P10. Survey Type:**
Intensive

***P11. Report Citation:**

Duran, Chris et al. *2019. Blosser Southeast Specific Plan Phase I Cultural Resources Study.* Prepared for Los Angeles County Metropolitan Transit Authority by Rincon Consultants, Inc.

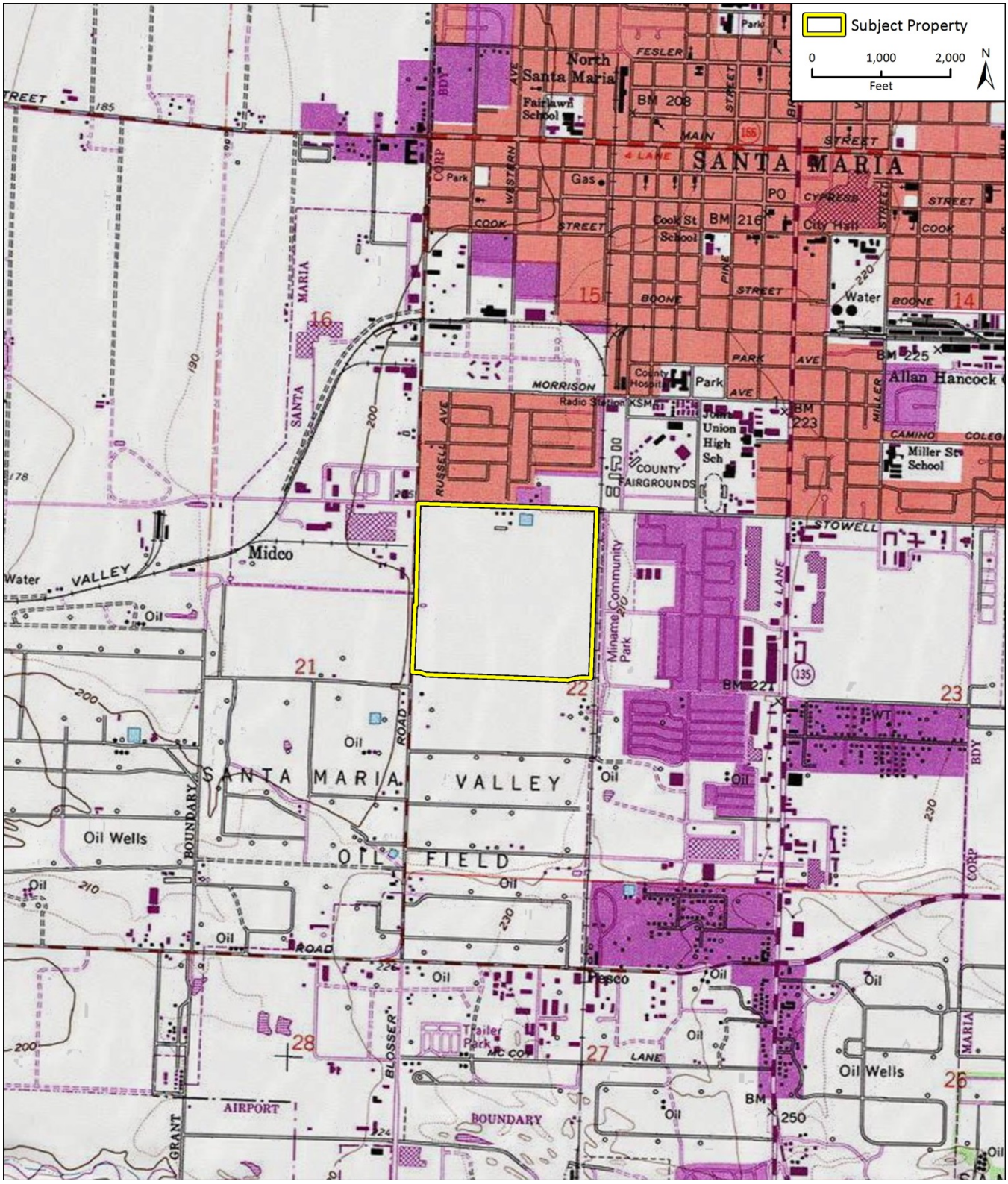
***Attachments:** ☐ NONE ■ Location Map ☐ Sketch Map ■ Continuation Sheet ■ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California X Natural Resources Agency Primary #
DEPARTMENT OF PARKS AND RECREATION HRI#

LOCATION MAP

Trinomial

Page 2 **of** 5 ***Resource Name or #** 990 West Stowell Road
***Map Name:** *Santa Maria* ***Scale:** 1:24,000 ***Date of map:** 1959



BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** 990 West Stowell Road ***NRHP Status Code** 6Z

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Agricultural B4. Present Use: Agricultural
***B5. Architectural Style:** None
***B6. Construction History:**

Historic aerial photographs indicate the east section of the storage building was constructed by 1937. Until at least as recently as 1977, it was situated adjacent to, or adjoined, a barn or another type of large agricultural building. Sometime between 1977 and 1994, the barn was razed and the existing addition constructed. Aerial photographs suggest the pump house was constructed sometime between 1937 and 1952 (UCSB Map & Imagery Lab 1937, 1952, 1956, 1966, 1977; Netronline 2019). The age of the concrete foundation could not be determined.

***B7. Moved?** ☐ **No** ☐ **Yes** ■ **Unknown** **Date:** N/A **Original Location:** N/A
***B8. Related Features:** None
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A

The subject property is an agricultural parcel located in the city of Santa Maria. Agricultural development in the area began in the late nineteenth century, and the community of Santa Maria (originally named Grangeville and, subsequently, Central City) was established in 1875 (City of Santa Maria 2012). A 1937 aerial photograph depicts the subject property as farmland just east of the urbanized area of Santa Maria. There was a cluster three residences located near the property's West Stowell Road frontage. Situated south of the residences was the extant east section of the storage building (UCSB Map & Imagery Lab 1937).

Santa Maria's rapid post-World War II population growth prompted increased residential and industrial development in the area surrounding the subject property (City of Santa Maria 2012). By 1964, residential subdivisions north of West Stowell Road and east of South Depot Street were under development, and two years later a large industrial complex was completed southwest of the West Stowell and South Battles roads intersection (UCSB Map & Imagery Lab 1964). Sometime between 1977 and 1994, the west section of the storage building was completed. Between 2005 and 2009, the residences on the north side of the property were razed (UCSB Map & Imagery Lab 1977; Netronline 2019). Although new residential and industrial development continued to fill the properties in the surrounding area, the subject property has remained agricultural in character.

(See continuation sheet.)

B11. Additional Resource Attributes: N/A
***B12. References:**

A to Z Directory Publishers. 1938 and 1948. Directory and Guidebook of Santa Maria Valley. (Santa Maria: Free Advertiser). https://www.ancestry.com/. Accessed June 24.

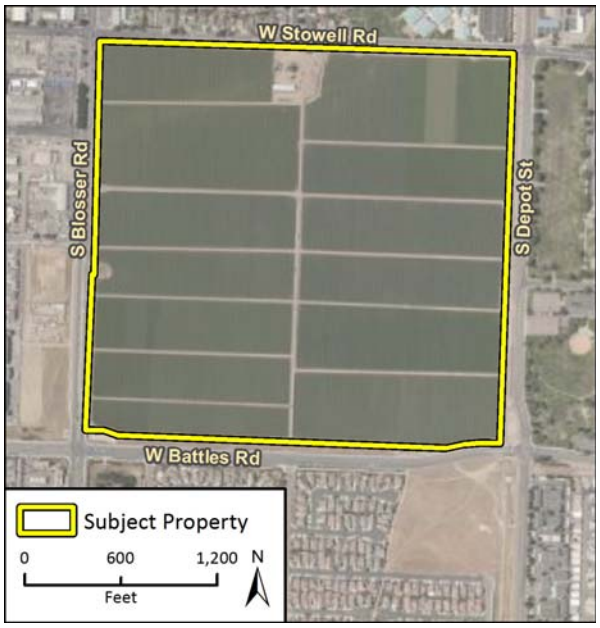
Netronline. "Historic Aerials." [digital photograph database]. Images of the Project Area viewed online. https://www.historicaerials.com/viewer. Accessed June 24, 2019.

Linder, Marc D. 2009. California DPR 523 forms. "AE-1851-1H." Record on file at the Central Coast Information Center, Santa Barbara, CA.

(See continuation sheet.)

B13. Remarks:
***B14. Evaluator:** James Williams, Rincon Consultants
***Date of Evaluation:** June 24, 2019

(This space reserved for official comments.)



B10. Significance (continued):

City directories and newspaper items identified the following former occupants of the property: Mr. and Mrs. John Motley, Mr. and Mrs. Lewis Cain, Sandra Fox, Ana May Thompson, Richard and Sandra Garrigues, Mr. and Mrs. Enrique Arroyo, Albert Asmusen, Primitiva Martinez, Joseph Veira, Floyd Brown, Joseph Steiger, and William Adam (R.L. Polk var.; *Santa Maria Times* var.).

In 2009, Mark Linder of Applied Earthworks recorded the subject pump house and nearby concrete foundation (P-42-040937) as part of the Cultural Resources Survey for the Fairway Tap 115-kV Tower Replacement Project from Santa Maria to Orcutt. Linder did not record the other building on the subject property or evaluate the pump house for eligibility for the National or California Registers or any local register. The present study revisited the pump house and concrete foundation as part of the current evaluation and found that it retains its appearance as recorded by Linder in 2009.

The subject property is recommended ineligible for listing in the National or California Registers and for designation as a City of Santa Maria Place of Historic Merit because it lacks historical significance. Although the property is associated with agricultural development in Santa Maria, research conducted for did not suggest it was significant in this, or any other, context in the history of the city, region, state, or nation. The property is therefore recommended ineligible for listing under Criteria A/1. Because available sources do not suggest any former occupants of the property made important historical contributions, the property is recommended ineligible under Criteria B/2. The buildings located on the property are ordinary and utilitarian and are of types commonly found on agricultural properties. As such, they do not embody the distinctive characteristics of a type, period, or method of construction, represent the work of a master, or possess high artistic values and are, as a result, recommended ineligible for listing under Criteria C/3. A review of available evidence and records search results did not indicate that the property may yield important information about prehistory or history. Therefore it is recommended ineligible under Criteria D/4.

The subject property also appears ineligible for designation as a place of historic merit in the City of Santa Maria because it does not "have historical, cultural, aesthetic or special character or interest for the general public." In addition, the subject property is not located within an established City of Santa Maria Historic Overlay District.

B12. References (continued):

R.L. Polk & Co. 1958, 1961, 1965, and 1969. *Polk's Santa Maria-Lompoc City Directory, 1958, Including Guadalupe and Orcutt.* (Monterey Park: R.L. Polk and Co.) https://www.ancestry.com/. Accessed June 24, 2019.

Santa Maria, City of. 2012. "A Bit About the History of Santa Maria." https://web.archive.org/web/20121105113623/http://www.ci.santa-maria.ca.us/history.html. Accessed June 24, 2019.

Santa Maria Times.

1954. "Senior Floriculture Arrangement Awards." July 27. https://www.newspapers.com/. Accessed June 24, 2019.
1956. "Newcomers." April 11. https://www.newspapers.com/. Accessed June 24, 2019.
1959. "One-Month-Old Baby Dies in Sleep here." August 1. https://www.newspapers.com/. Accessed June 24, 2019.
1960. "They've named the Baby." April 11. https://www.newspapers.com/. Accessed June 24, 2019.
1961. "Ana Thompson." April 17. https://www.newspapers.com/. Accessed June 24, 2019.

UCSB Map & Imagery Lab. Various. "FrameFinder" [aerial photograph database]. Aerials of project area viewed online. http://mil.library.ucsb.edu/ap_indexes/FrameFinder/. Accessed Oct. 2018.

P5a. Photographs (continued):

Photograph 2. Pump house, north and east elevations. Camera facing southwest.

Photograph 3. Concrete foundation. Camera facing southwest.

Appendix E

Vibration Analysis Worksheet

Ground born Noise and Vibration Modeling

Source: Caltrans Transporation and Construction Vibration Guidance Manual 2013
http://www.dot.ca.gov/hq/env/noise/pub/TCVGM_Sep13_FINAL.pdf
Last Updated: 6/30/15

Propagation

V_{ref}	1E-06	
Crest Factor (PPV/RMS)	4	
Soil Type	default	Default, Hard, or competent (competent soils are sands, clays, silty clays, gravel, silts, or weathered rock)
n value	1.1	

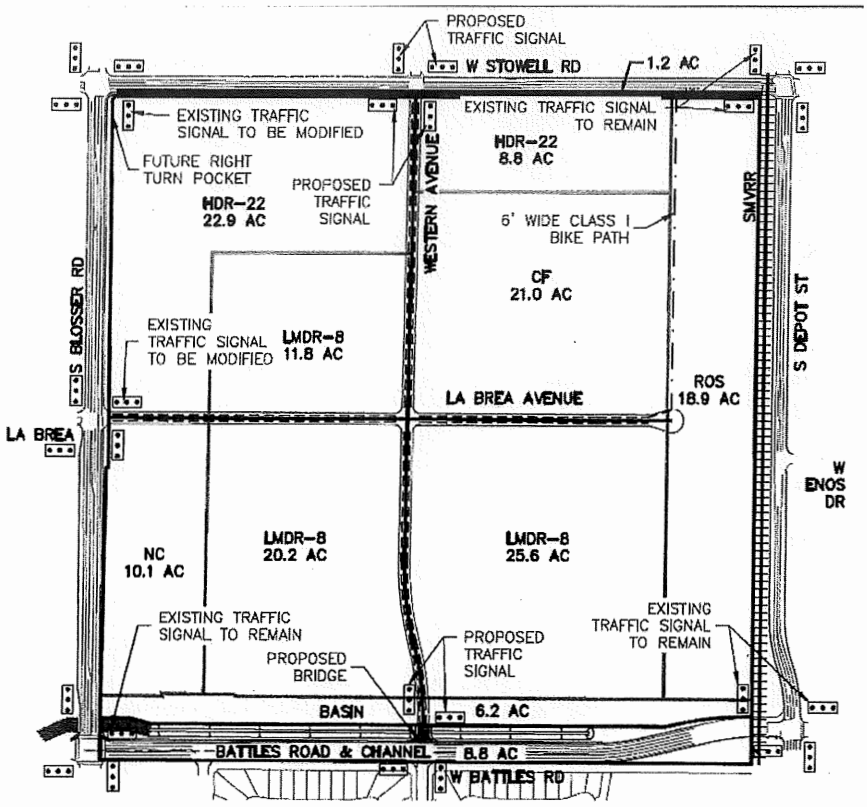
Equipment	PPV_{ref}	Lv_{ref}	RMS_{ref}	Ref Distance	Distance	PPV_x	Lv_x	RMS_x	Distance to		
	(in/sec)	(VdB)	(in/sec)	(feet)	(feet)	(in/sec)	(VdB)	(in/sec)	0.100 PPV	72.0 VdB	0.0040 RMS
Vibratory roller	0.21	94	0.050	25	500	0.0078	65	0.002	49	250	249
Large bulldozer	0.089	87	0.022	25	500	0.0033	58	0.001	22	120	120
Loaded trucks	0.076	83	0.014	25	500	0.0028	54	0.001	19	79	79
Small bulldozer	0.003	58	0.001	25	500	0.0001	29	0.000	1	6	6

Appendix F

Revised Traffic Impact Study

ACQUISTAPACE BLOSSER SOUTHEAST (AREA 5B) SPECIFIC PLAN AMENDMENT, CITY OF SANTA MARIA, CA

REVISED TRAFFIC IMPACT STUDY



June 25, 2019 **ATE Project #19016**

City of Santa Maria
Public Works Department
110 South Pine Street, 101
Santa Maria, CA 93454

ASSOCIATED TRANSPORTATION ENGINEERS

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110-1686 - (805) 687-4418

ASSOCIATED TRANSPORTATION ENGINEERS

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805) 687-4418 • FAX (805) 682-8509

Since 1978

Richard L. Pool, P.E.
Scott A. Schell, AICP, PTP

June 25, 2019 19016R02

Mark Mueller
Public Works Department
City of Santa Maria
110 South Pine Street, Suite 101
Santa Maria, CA 93454

REVISED TRAFFIC IMPACT STUDY FOR THE ACQUISTAPACE BLOSSER SOUTHEAST (AREA 5B) SPECIFIC PLAN AMENDMENT, CITY OF SANTA MARIA

Associated Transportation Engineers (ATE) is submitting this revised traffic impact study for the Acquistapace Blosser Southeast (Area 5B) Specific Plan Amendment. The study reviews the potential traffic impacts associated with the project and recommends mitigation measures where required.

Associated Transportation Engineers

For Scott A. Schell, AICP, PTP
Principal Transportation Planner

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INTRODUCTION

The following report contains analyses of the potential traffic and circulation impacts associated with the Acquistapace Blosser Southeast (Area 5B) Specific Plan Amendment (the "Specific Plan"). The report evaluates existing and future traffic conditions in the study area and identifies potential impacts assuming full development of the Specific Plan. While there are no development plans included as part of the application, this traffic study is intended to assist the City with identifying future infrastructure needs in the vicinity of the Specific Plan. It is recognized that development projects within the Specific Plan would occur over time based on market conditions and may be subject to individual traffic studies in order to identify the timing of improvements in the study-area at the time of the developments.

SPECIFIC PLAN DESCRIPTION

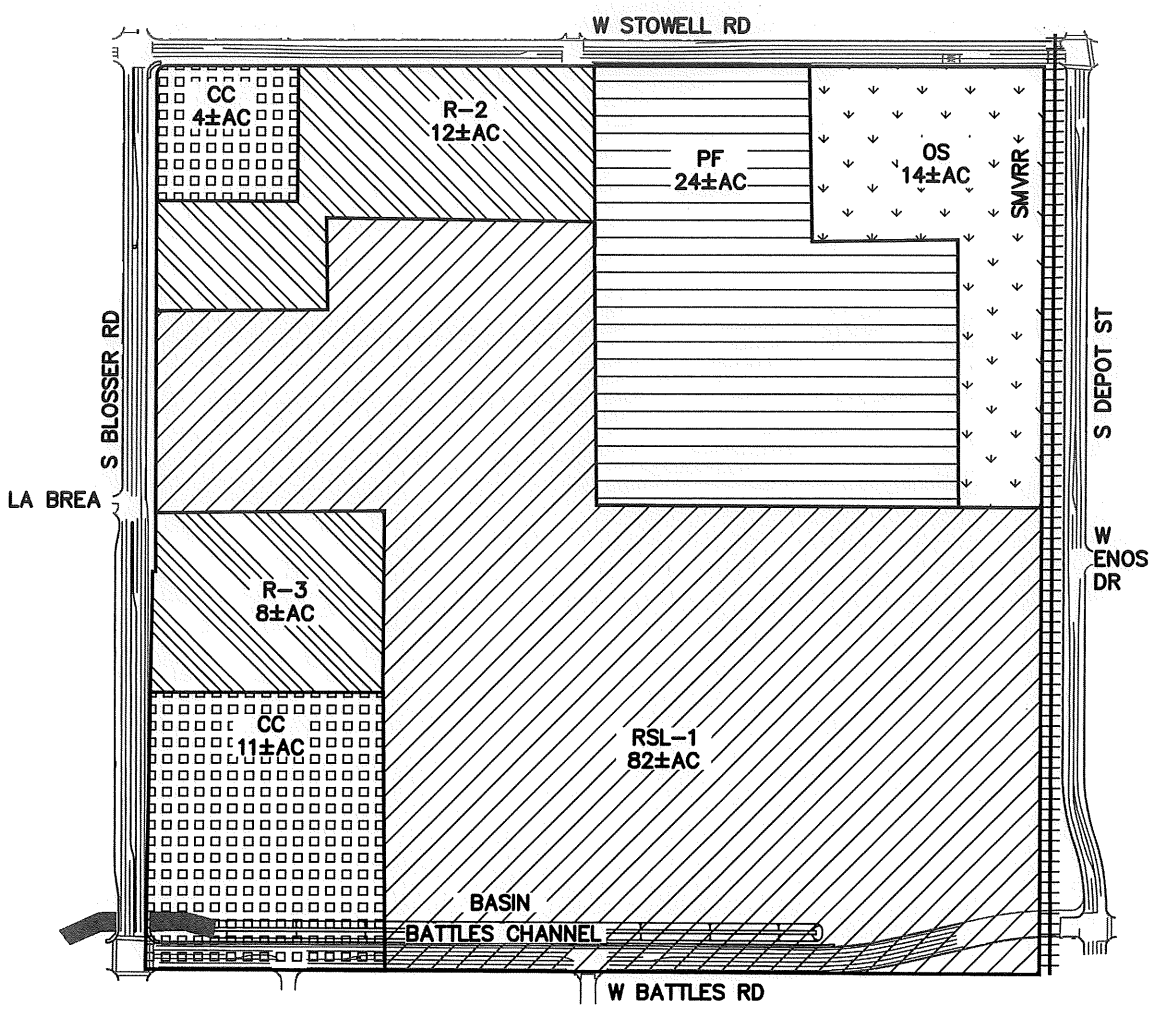
The Blosser Southeast Specific Plan area was approved and annexed to the City of Santa Maria in the 1990s. The Acquistapace zoning changes are proposed for "Area 5B" of the Specific Plan. The Acquistapace Specific Plan area is bounded by Stowell on the north, Battles on the south, South Depot Street on the east, and Blosser Road on the west. The existing zoning on the remaining areas of the Blosser Southeast Specific Plan area would remain unchanged. Figures 1 and 2 illustrate the existing and proposed zoning designations for the Acquistapace Specific Plan area. Table 1 lists the existing and proposed land uses, which show that the proposed zoning changes would result in higher residential densities and lower non-residential densities.

Table 1
Acquistapace Specific Plan – Land Use Quantities

Land Use	Potential Units		Difference
	Existing SP	Proposed SP	
Low-Medium Density Residential	656 DU	464 DU	-192 DU
Medium Density Residential	144 DU	0 DU	-144 DU
High Density Residential	176 DU	704 DU	+528 DU
Convenience Center	15 Acres	10 Acres	-5 Acres
Public Facility	24 Acres	21 Acres	-3 Acres
Open Space	14 Acres	19 Acres	+5 Acres

Source: City of Santa Maria.

Figure 3 illustrates the circulation plan for the Specific Plan. As shown, development of the Specific Plan includes the extension of Western Avenue through the site with connections to the existing segments of Western Avenue north and south of the Specific Plan area; and the extension of La Brea Avenue easterly from Blosser Road. These two main roads would serve as the backbone of the Specific Plan street network. Local roads, which have not been laid out, would connect to the backbone system for access to individual parcels.



LEGEND

NOTE: PLANNED DEVELOPMENT (PD) OVERLAY (CHAPTER 12-25 OF THE SANTA MARIA MUNICIPAL CODE) APPLIES TO ALL PROPERTIES WITHIN THE ACQUISTAPACE SPECIFIC PLAN.

	ACRES
OPEN SPACE (OS)	14±
PUBLIC FACILITIES (PF)	24±
RESIDENTIAL SMALL LOT (RSL-1)	82±
MEDIUM DENSITY RESIDENTIAL (R-2)	12±
HIGH DENSITY RESIDENTIAL (R-3)	8±
CONVENIENCE CENTER (CC)	15±
ACQUISTAPACE SPECIFIC PLAN BOUNDARY	
SANTA MARIA VALLEY RR	

N

N.T.S.

DATE: 11/2/18

URBAN PLANNING CONCEPTS, INC.
URBAN DESIGN • LAND PLANNING • ENVIRONMENTAL ANALYSIS
2450 Professional Parkway, Suite 120
Santa Maria, California 93455 805/934-5760

ACQUISTAPACE SPECIFIC PLAN (1994)

EXISTING ZONING

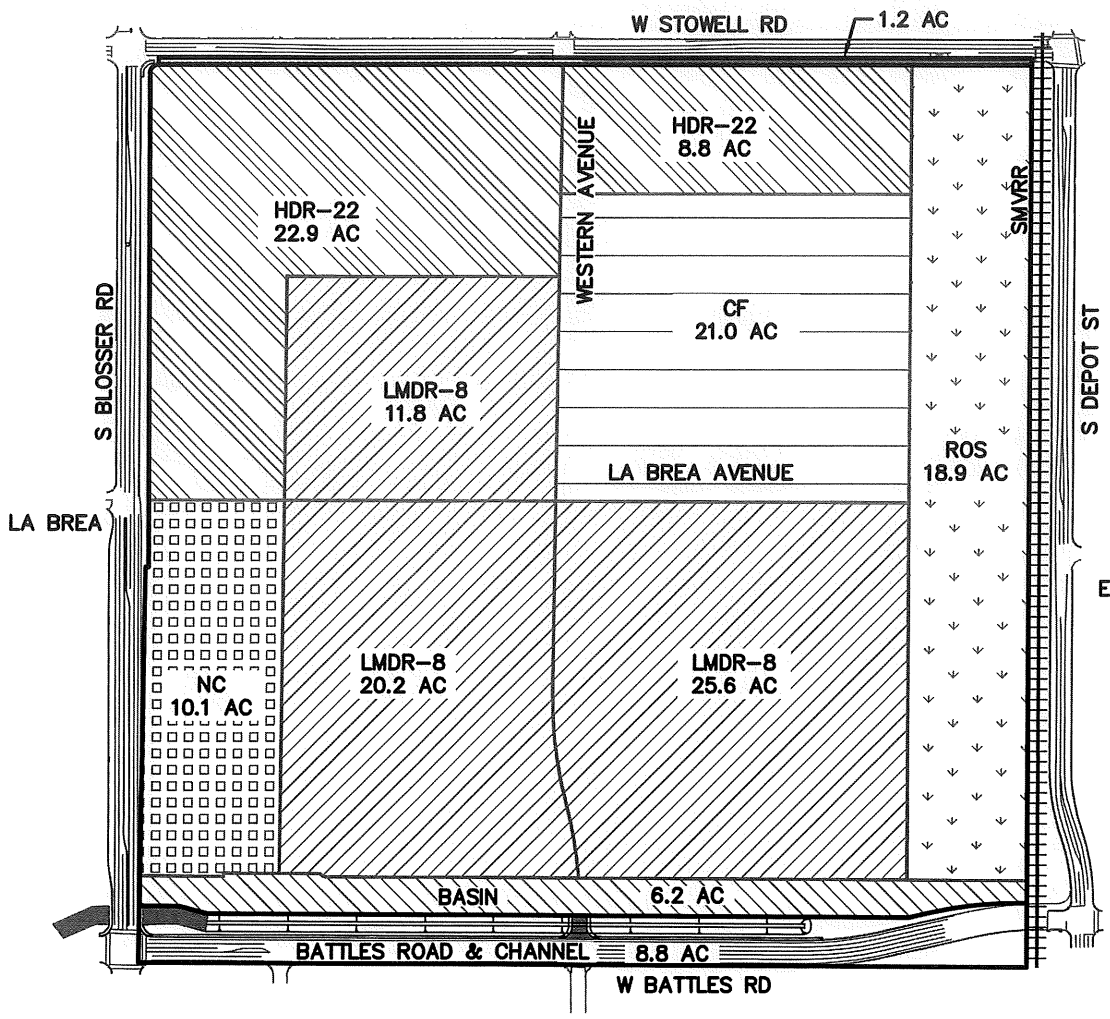
BETHEL engineering
2624 Airpark Drive, Santa Maria CA 93455
(805) 934-5767

ASSOCIATED TRANSPORTATION ENGINEERS

SPECIFIC PLAN EXISTING ZONING

FIGURE 1

KAB - ATE#19016



LEGEND

NOTE: PLANNED DEVELOPMENT (PD) OVERLAY (CHAPTER 12–25 OF THE SANTA MARIA MUNICIPAL CODE) APPLIES TO ALL PROPERTIES WITHIN THE ACQUISTAPACE SPECIFIC PLAN.

	ACRES
OPEN SPACE (OS)	19±
PUBLIC FACILITIES (PF)	21±
SINGLE FAMILY RESIDENTIAL (R–1)	58±
HIGH DENSITY RESIDENTIAL (R–3)	32±
CONVENIENCE CENTER (CC)	10±
BASIN AREA	6±
ACQUISTAPACE SPECIFIC PLAN BOUNDARY	
SANTA MARIA VALLEY RR	

N

N.T.S.

DATE: 11/2/18

URBAN PLANNING CONCEPTS, INC.
URBAN DESIGN • LAND PLANNING • ENVIRONMENTAL ANALYSIS
2450 Professional Parkway, Suite 120
Santa Maria, California 93455 805/934–5760

ACQUISTAPACE SPECIFIC PLAN
PROPOSED ZONING

BETHEL engineering
2624 Airpark Drive, Santa Maria CA 93455
(805) 934–5767

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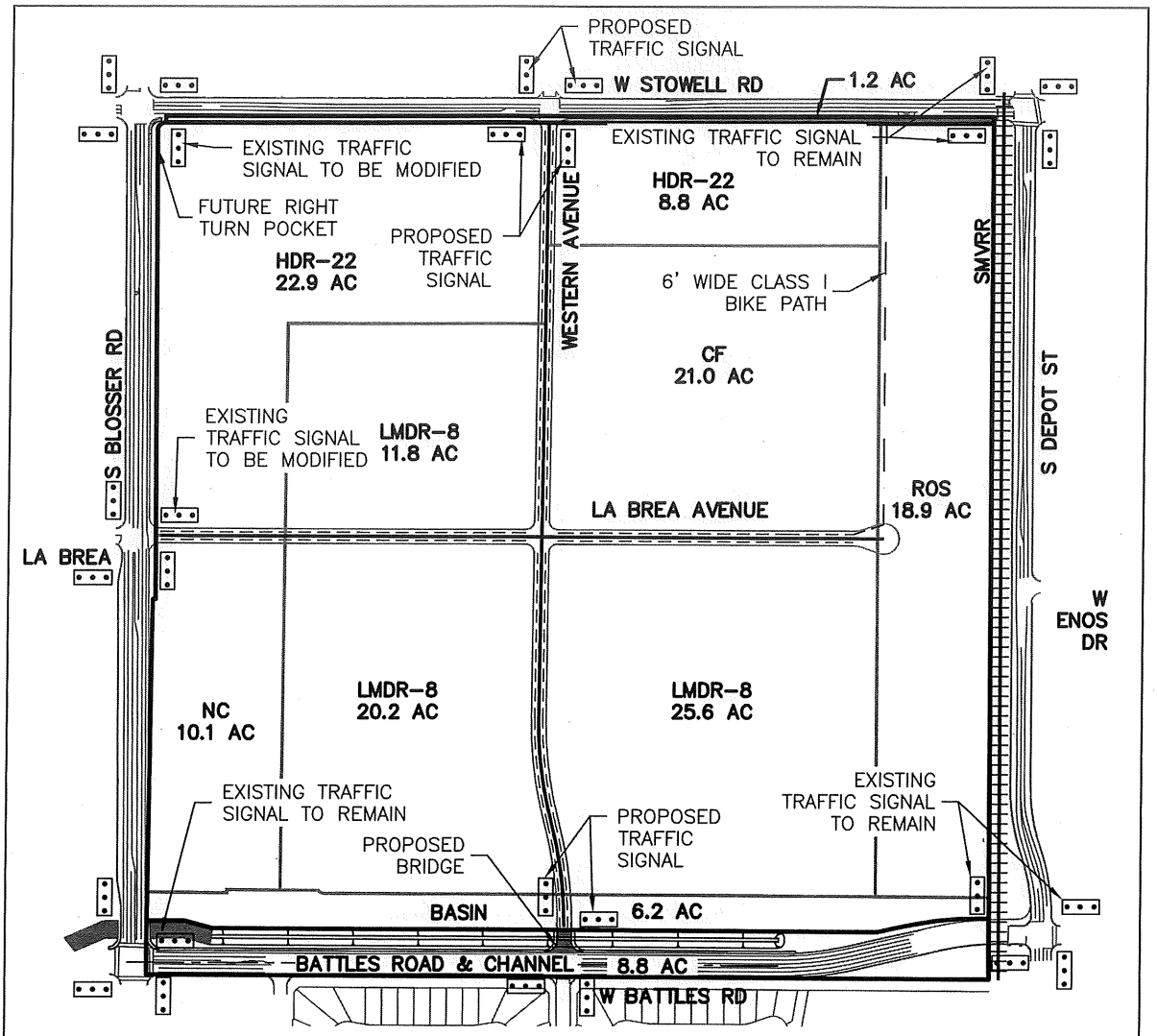
SPECIFIC PLAN PROPOSED ZONING

FIGURE 2

KAB - ATE#19016



ACQUISTAPACE SPECIFIC PLAN

CIRCULATION

DATE: 11/2/18

URBAN PLANNING CONCEPTS, INC.
URBAN DESIGN • LAND PLANNING • ENVIRONMENTAL ANALYSIS
2450 Professional Parkway, Suite 120
Santa Maria, California 93455 805/934–5760

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ASSOCIATED TRANSPORTATION ENGINEERS

SPECIFIC PLAN CIRCULATION NETWORK

FIGURE 3

KAB - ATE# 19016

IMPACT THRESHOLDS

The City of Santa Maria considers LOS D acceptable for roadway and intersection operations, with mitigations required for LOS E and F.

EXISTING CONDITIONS

Street Network

The Specific Plan is served by a network of highways, arterial, and collector streets, as shown on Figure 4. The following text provides a brief discussion of the major components of the study-area street network.

US 101, located east of the Specific Plan, is a freeway that serves as the major north-south link through the Santa Maria Valley and is the principal inter-city route along the Pacific Coast. US 101 is a 6-lane freeway within the Santa Maria area, with 4 lanes provided north and south of the City. Access between the Specific Plan site and the freeway would be provided via the interchanges at Stowell Road and Betteravia Road.

East-West Surface Streets

Main Street, located north of the Specific Plan, is an arterial road within the City. Main Street is also part of State Route 166, which connects the City with the Guadalupe area west of the City. Main Street is a 4-lane arterial road east and west of Blosser Road.

Stowell Road, located along the northern frontage of the Specific Plan, is an arterial road that extends from US 101 on the east to Black Road on the west. Stowell Road is a 4-lane arterial road east and west of Blosser Road.

Battles Road, located along the southern frontage of the Specific Plan, is an arterial roadway that extends from Bradley Road on the east to "A" Street on the west. Battles Road is a 4-lane arterial road in the study area.

Betteravia Road, located south of the Specific Plan, is an east-west arterial road that extends through the City. Betteravia Road contains 4- to 6-lanes within the City and is a 2-lane road east and west of the City.

North-South Surface Streets

Blosser Road, located along the western frontage of the Specific Plan, is a 4-lane arterial road that extends north of Betteravia Road to the northern City limits. South of Betteravia Road, the roadway is named Skyway Driveway and extends to State Route 135.

N
NOT TO SCALE

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EXISTING STREET NETWORK AND PROJECT LOCATION

FIGURE 4

BDS - ATE#19016

Western Avenue is a north-south 2-lane collector road that extends north from Stowell Road and south from Battles Road. The Specific Plan includes a new segment of Western Avenue with connections to the existing segments north and south of the Specific Plan.

Depot Street located east of the Specific Plan is a 2- and 4-lane arterial street that extends between Fesler Street on the north to just south of Carmen Lane. A short segment of Depot Street also exists between Betteravia Road and McCoy Lane.

Broadway (State Route 135), located east of the Specific Plan, extends from US 101 near the northern Santa Maria city limit line to its junction with State Route 1 south of Orcutt. Broadway is a four- to six-lane arterial that serves as the primary north-south route through the Santa Maria/Orcutt area. The roadway is named "Broadway" north of Santa Maria Way and "Orcutt Expressway" south of Santa Maria Way.

Miller Street, located east of the Specific Plan, is a north-south 4- to 6-lane arterial road within the City. Many local drivers use this facility as an alternative to Broadway for north-south travel.

Bradley Road, located west of the Specific Plan, is a north-south 4-lane arterial frontage road that parallels the west side of US 101.

Intersection Operations

Because traffic flow on urban arterials is most constrained at intersections, detailed traffic flow analyses focus on the operating conditions of critical intersections during peak travel periods. "Levels of Service" (LOS) A through F are used to rate intersection operations, with LOS A indicating very good operation and LOS F indicating poor operation (more complete definitions are contained in the Technical Appendix for reference). The City's standard is to maintain LOS D or better during the peak hour periods.

Existing peak hour traffic volumes were obtained from traffic count data collected in 2018 and 2019 (see Technical Appendix for count data). Counts were conducted during the AM peak period (7:00-9:00 AM) and PM peak period (4:00-6:00 PM). The peak 1-hour volumes were then identified for the analysis. Figure 5 shows the Existing traffic volumes for the study-area intersections.

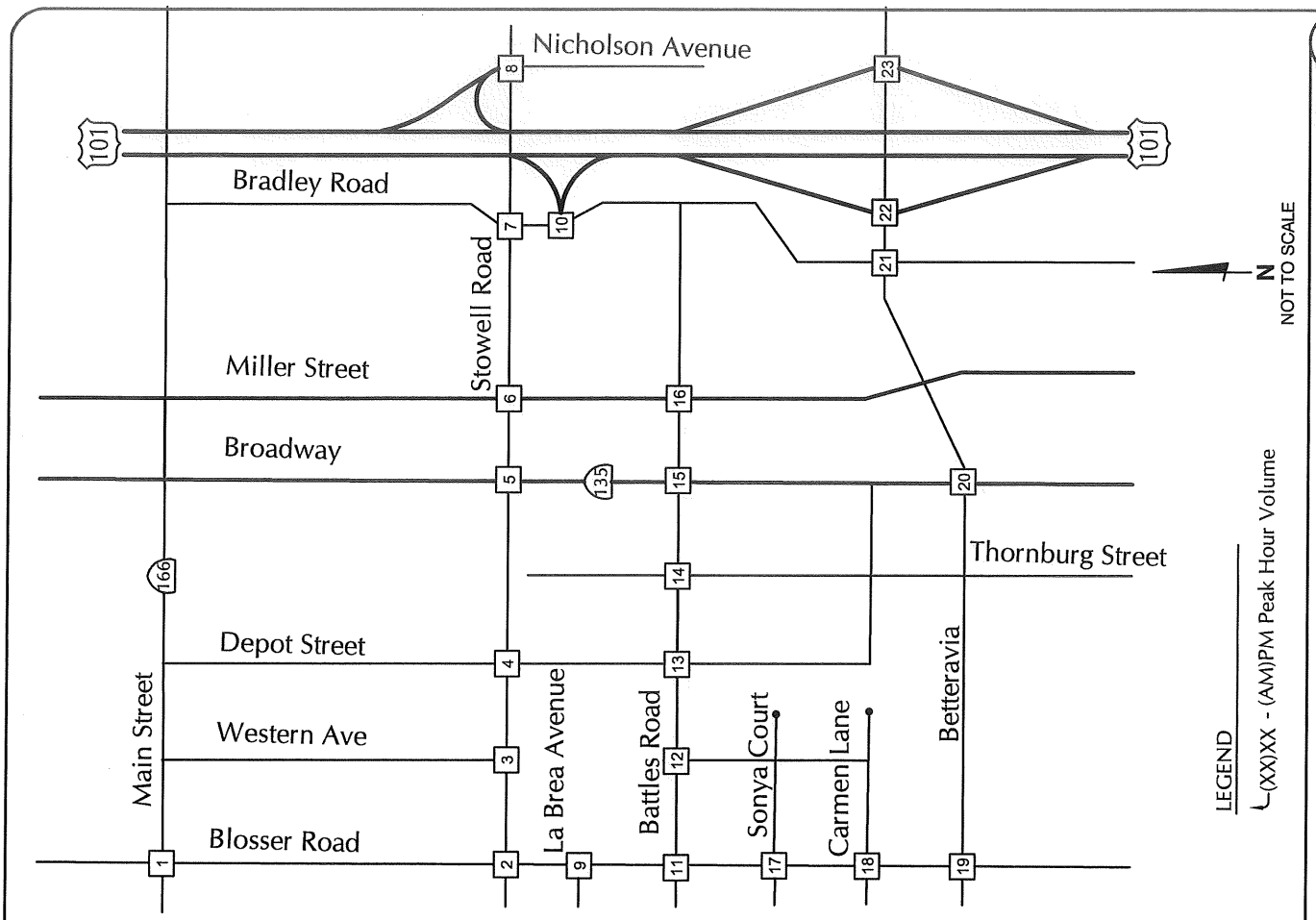

FIGURE 5

EXISTING TRAFFIC VOLUMES

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Levels of service for the signalized intersections were calculated using the intersection capacity utilization (ICU) methodology, which is the level of service method adopted by the City. This "critical movement analysis" models the traffic flows and attributes of signalized intersections (saturation flow rates, heavy vehicles, signal timing, etc.). Levels of service for Stop-sign controlled intersections were calculated using the methodology outlined in the Highway Capacity Manual (HCM).[1] Each movement required to stop or yield has a level of service rating and there is an overall level of service rating presented for the intersection. Pursuant to the HCM methods, levels of service were calculated and reported based on the average seconds of delay per vehicle for the stop and yield movements. Table 2 lists the existing traffic controls and levels of service for the study-area intersections.

Table 2
Existing Levels of Service

Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
		ICU	LOS	ICU	LOS
Blosser Rd/Main St	Signal	0.60	LOS A	0.75	LOS C
Stowell Rd/Blosser Rd	Signal	0.53	LOS A	0.81	LOS D
Stowell Rd/Western Ave(a)	Stop Sign	12.5 Sec.	LOS B	18.0 Sec.	LOS C
Stowell Rd/Depot St	Signal	0.49	LOS A	0.58	LOS A
Stowell Rd/Broadway	Signal	0.57	LOS A	0.78	LOS C
Stowell Rd/Miller St	Signal	0.52	LOS A	0.76	LOS C
Stowell Rd/Bradley Rd	Signal	0.51	LOS A	0.64	LOS B
Stowell Rd/US 101 NB(a)	Stop Sign	8.1 Sec.	LOS A	8.8 Sec.	LOS A
Blosser Rd/La Brea Ave	Signal	0.48	LOS A	0.55	LOS A
Bradley Rd/US 101 SB-Columbia	Signal	0.51	LOS A	0.80	LOS C
Battles Rd/Blosser Rd	Signal	0.52	LOS A	0.68	LOS B
Battles Rd/Western Ave(a)	Stop Sign	11.8 Sec.	LOS B	10.4 Sec.	LOS B
Battles Rd/Depot St	Signal	0.48	LOS A	0.50	LOS A
Battles Rd/Thornburg St(a)	Stop Sign	12.4 Sec.	LOS B	21.5 Sec.	LOS C
Battles Rd/Broadway	Signal	0.47	LOS A	0.68	LOS B
Battles Rd/Miller St	Signal	0.44	LOS A	0.62	LOS B
Blosser Rd/Sonya Ln(a)	Stop Sign	15.3 Sec.	LOS C	11.8 Sec.	LOS B
Blosser Rd/Carmen Ln	Signal	0.53	LOS A	0.52	LOS A
Blosser Rd-Skyway/Betteravia Rd	Signal	0.61	LOS B	0.73	LOS C
Betteravia Rd/Broadway	Signal	0.59	LOS A	0.83	LOS D
Betteravia Rd/Bradley Rd	Signal	0.43	LOS A	0.74	LOS C
Betteravia Rd/US 101 SB	Signal	0.82	LOS D	0.90	LOS D
Betteravia Rd/US 101 NB	Signal	0.40	LOS A	0.70	LOS B

(a) Stop Sign control. LOS based on average delay per vehicle in seconds.

[1] Highway Capacity Manual, Transportation Research Board, 2016.

The data presented in Table 2 show that the study-area intersections currently operate at LOS D or better during the AM and PM peak hours, which meet the City's LOS D operating standard. For reference, the Betteravia Road/US 101 SB Ramps intersection operates at the high end of the LOS D range, with congestion occurring during peak periods. The deficiencies identified at US 101/Betteravia Road interchange are: 1) the single right-turn lane on the southbound off-ramp approach, and 2) insufficient storage for the eastbound left-turns at the northbound on-ramp. The City is currently implementing an improvement project at the US 101/Betteravia Road interchange to address these existing deficiencies (see Planned Improvements below).

PLANNED IMPROVEMENTS

US 101/Betteravia Road Interchange. The City of Santa Maria is currently constructing an operational improvement project to address existing deficiencies at the US 101/Betteravia Road interchange. The operational improvements include widening the US 101 SB Off-Ramp to provide a second right-turn lane and installing two new eastbound thru lanes on Betteravia Road at the US 101 SB Ramps/Betteravia Road intersection to extend the storage lanes for eastbound vehicles turning left onto the northbound on-ramp. Since the operational improvement project will be completed by the end of 2019, it is assumed to be in place for the following impact analyses (see Tables 4-7).

PROJECT-SPECIFIC ANALYSIS

Trip Generation

Trip generation estimates were calculated for the Specific Plan using rates presented in the Institute of Transportation Engineers (ITE) Trip Generation Manual and the San Diego Association of Governments (SANDAG) Traffic Generators manual.[2] Table 3 summarizes the trip generation estimates for the Specific Plan. Table 3 also shows the trip generation for the existing zoning uses for comparison. A worksheet showing the detailed calculations is included in the Technical Appendix for reference.

[2] Trip Generation Manual, Institute of Transportation Engineers, 10th edition, 2017.

Traffic Generators, San Diego Association of Government, April 2002.

Table 3
Specific Plan Trip Generation

Land Use	Size	ADT		AM Peak		PM Peak	
		Rate	Trips	Rate	Trips	Rate	Trips
PROPOSED ACQUISTAPACE ZONING							
Single Family Residential	464 DU	9.44	4,380	0.74	343	0.99	459
High Density Residential	704 DU	7.32	5,153	0.46	324	0.56	394
Retail Center	130,680 SF	37.75	3,700	0.94	92	3.81	373
Public Facility (School)	800 Students	2.13	1,704	0.58	464	0.17	136
Open Space (Park)	19 Acres	50.00	950	6.50	124	4.50	86
Totals:			**15,887**		**1,347**		**1,448**
EXISTING AREA 5B ZONING							
Single Family Residential	656 DU	9.44	6,193	0.74	485	0.99	649
Medium Density Residential	144 DU	9.44	1,359	0.74	107	0.99	143
High Density Residential	176 DU	7.32	1,288	0.46	81	0.56	99
Retail Center	196,020 SF	37.75	5,550	0.94	138	3.81	560
Public Facility (School)	800 Students	2.13	1,704	0.58	464	0.17	136
Open Space (Park)	14 Acres	50.00	950	6.50	91	4.50	63
Totals:			**16,794**		**1,366**		**1,650**
NET CHANGE			-907		-19		-202

As shown in Table 3, buildout of the Acquistapace Specific Plan would generate 15,887 average daily trips (ADT), with 1,347 trips occurring during the AM peak hour period and 1,448 trips occurring during the PM peak hour period. Buildout under the proposed Acquistapace Specific Plan would result in a net reduction in traffic when compared to buildout under the existing zoning designations for Area 5B (-907 ADT, -19 AM trips, and -202 PM trips).

Trip Distribution & Assignment

Trip distribution percentages were developed for the Specific Plan using the City of Santa Maria Traffic Model. A "select zone" analysis was run to determine the distribution pattern for the Specific Plan. The land uses for the Specific Plan were coded into the traffic model and the model was then run to determine the routing of Specific Plan traffic.

The distribution and assignment of Specific Plan traffic also accounts for the street network changes that would be implemented by the Specific Plan, including the extension of Western Avenue through the site with connections to the existing segments of Western Avenue north and south of the Specific Plan area; and the extension of La Brea Avenue easterly from Blosser Road. These two road extensions would also result in diversion of existing traffic on the streets adjacent to the Specific Plan (for example, some of the existing north-south traffic on Blosser Road will divert to the new Western Avenue extension).

Figures 6 and 7 shows the trip distribution pattern developed for the Specific Plan as well as the assignment of AM and PM peak hour traffic generated by the Specific Plan traffic at the study-area intersections. Figures 8 and 9 shows the Existing + Specific Plan traffic forecasts for the AM and PM peak hour periods.

Specific Plan-Specific Intersection Impacts

Levels of service were calculated for the study-area intersections assuming the Existing + Specific Plan traffic volumes shown on Figure 7. As noted, the Existing + Specific Plan levels of service assume the street network changes that would be implemented by the Specific Plan (extension of Western Avenue through the site with connections to the existing segments of Western Avenue north and south of the Specific Plan area; and the extension of La Brea Avenue easterly from Blosser Road). The Existing + Specific Plan levels of service for the Stowell Road/Western Avenue, Blosser Road/La Brea Avenue, and Battles Road/Western Avenue intersections assume the lane geometry modifications recommended for connecting the Specific Plan to the adjacent street network (see Site Access section of this report).

Tables 4 and 5 compare the Existing and Existing + Specific Plan levels of service for the AM and PM peak hour periods; and identify impacts based on the City's LOS D standard. As shown, the following intersections are forecast to operate at LOS F with Existing + Specific Plan traffic – which exceeds the City's LOS D standard:

- Battles Road/Western Avenue – LOS F (PM Peak Hour)
- Battles Road/Thornburg Street – LOS F (PM Peak Hour)

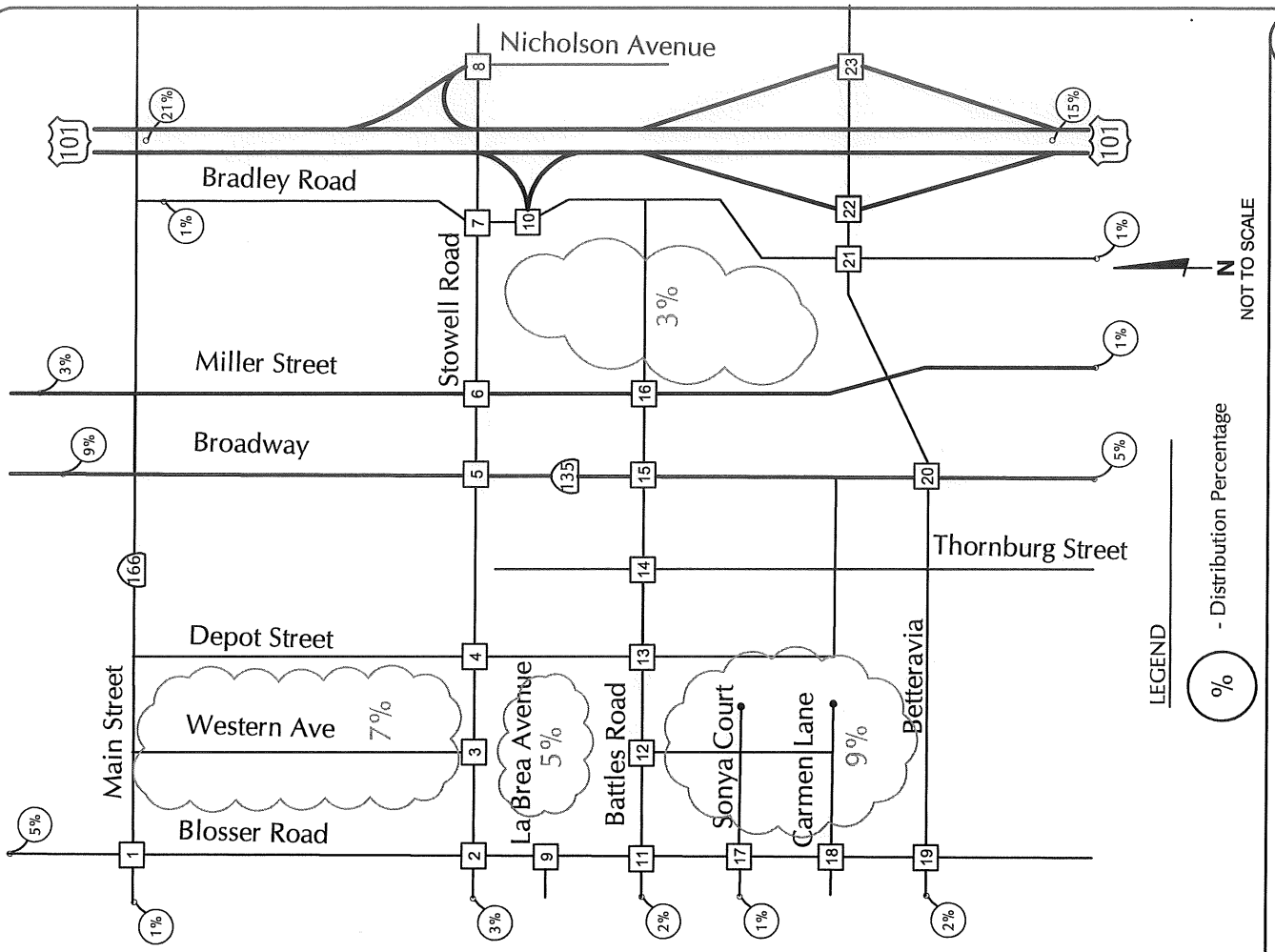

FIGURE 6

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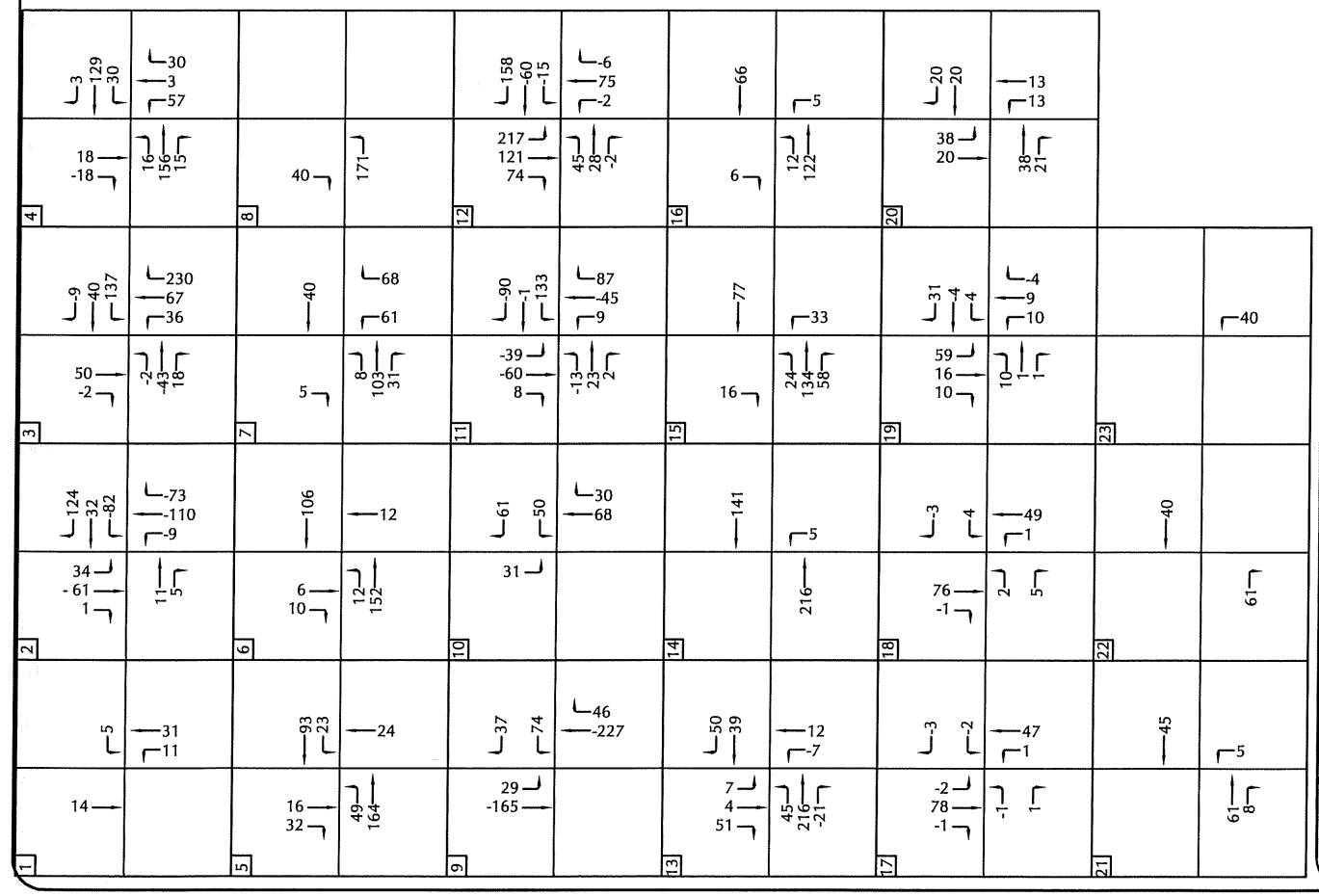
SPECIFIC PLAN TRIP DISTRIBUTION AND ASSIGNMENT - AM PEAK HOUR



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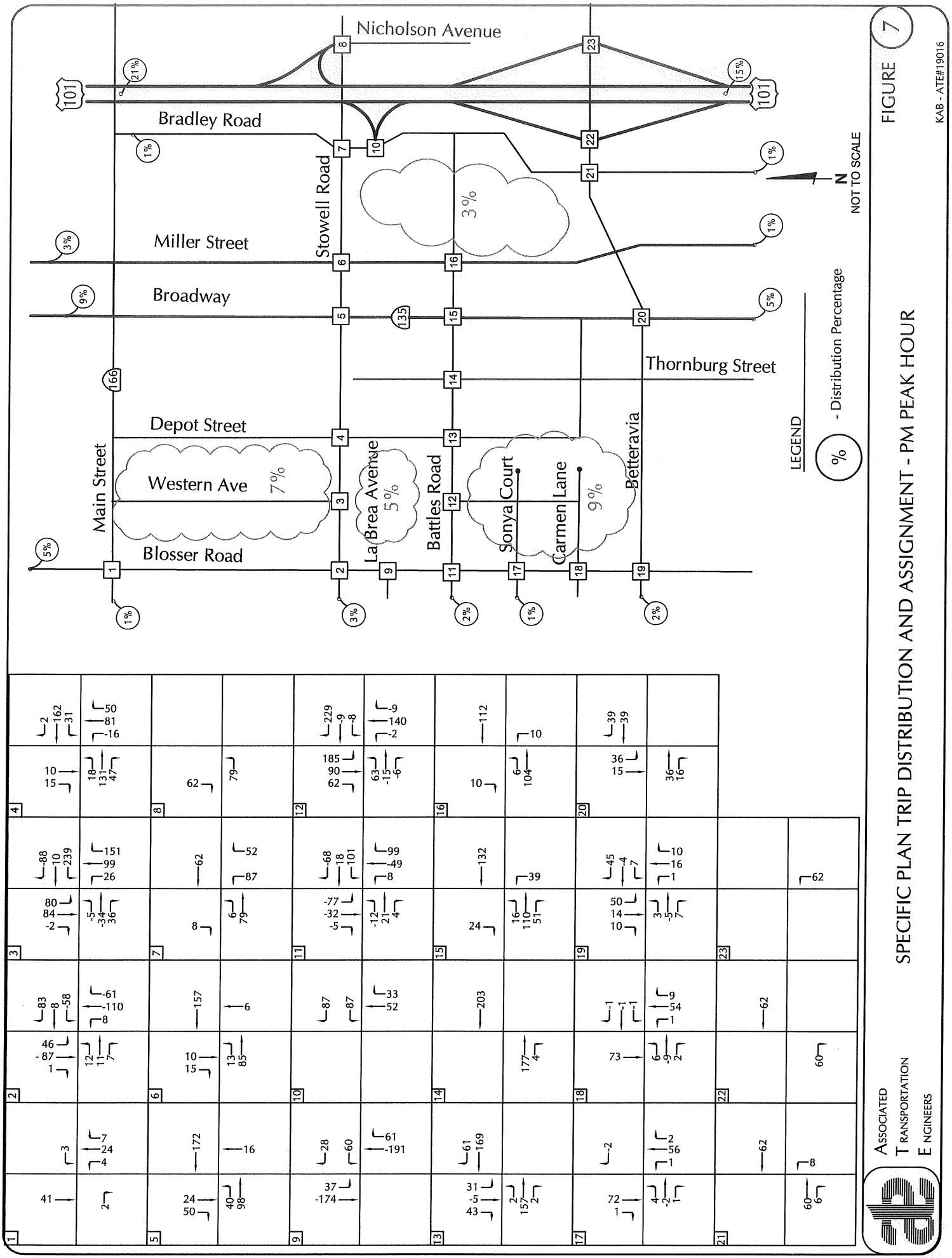
Nicholson Avenue
Bradley Road
Miller Street
Broadway
Depot Street
Western Ave
Blosser Road
Stowell Road
Main Street
La Brea Avenue
Battles Road
Sonya Court
Carmen Lane
Betteravia
Thornburg Street
101
3%
7%
5%
9%
LEGEND
% - Distribution Percentage
N
NOT TO SCALE
FIGURE 7
KAB - ATE#19016
SPECIFIC PLAN TRIP DISTRIBUTION AND ASSIGNMENT - PM PEAK HOUR
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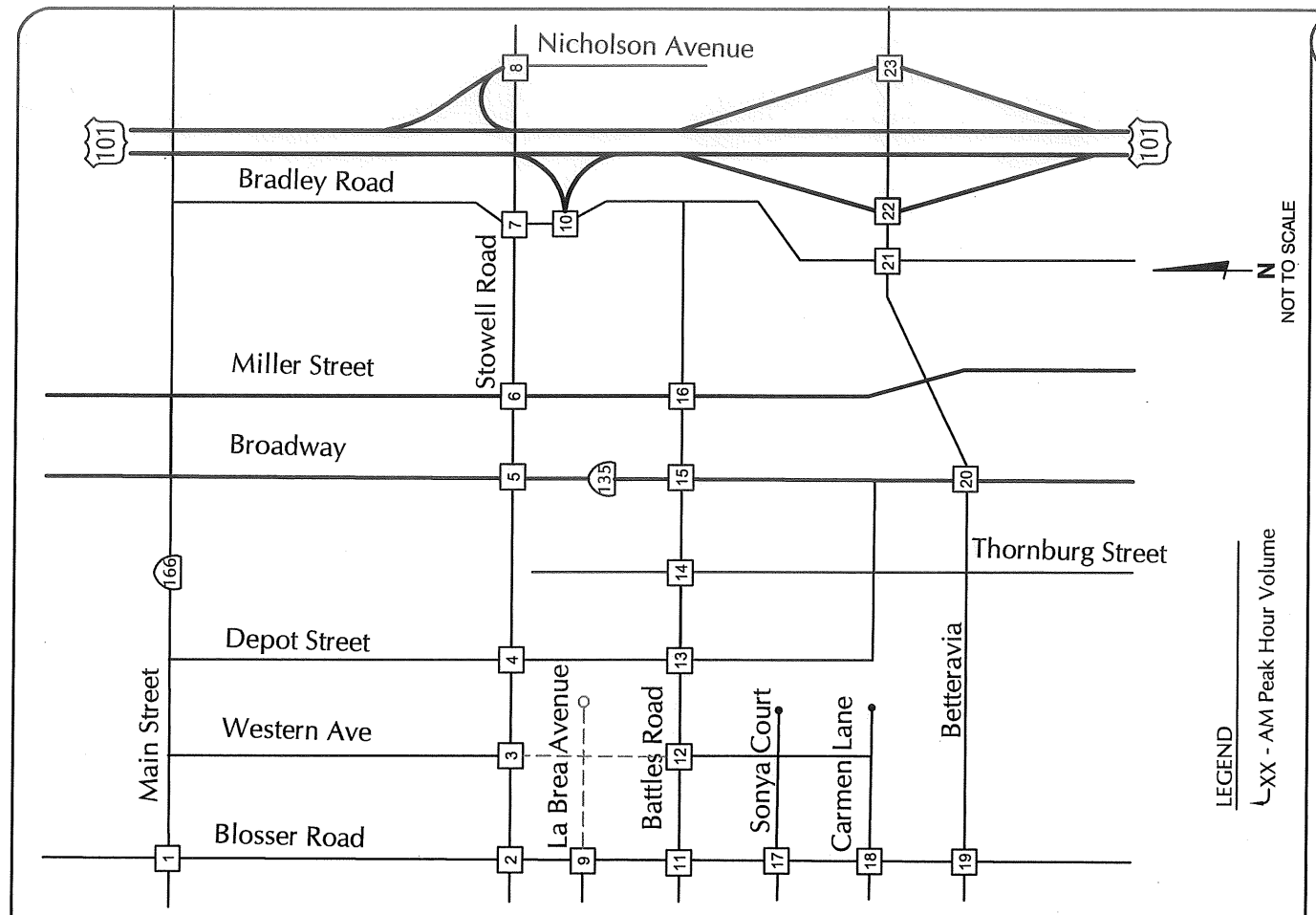

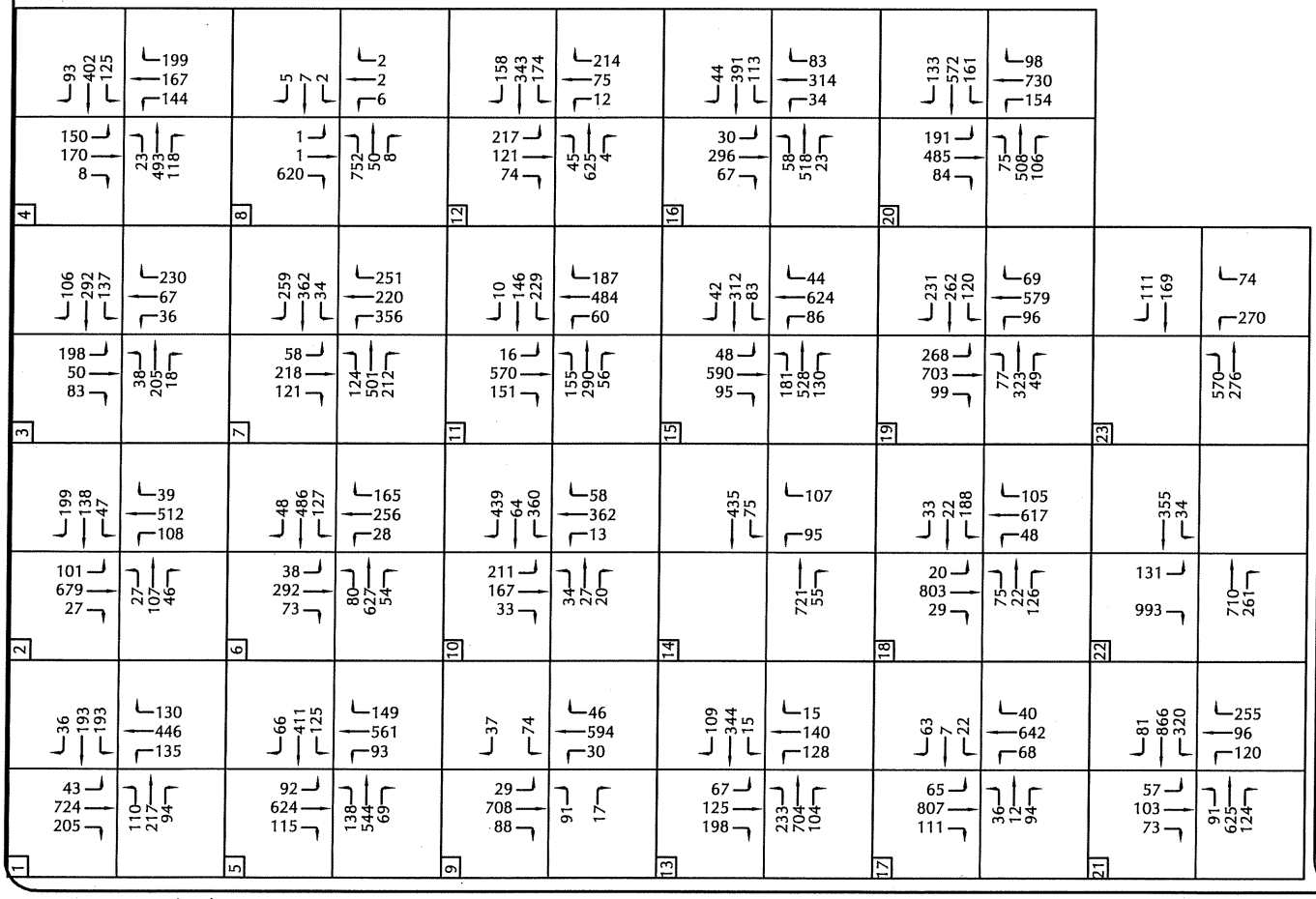

FIGURE 8

EXISTING + SPECIFIC PLAN TRAFFIC VOLUMES - AM PEAK HOUR

KAB - ATE#19016

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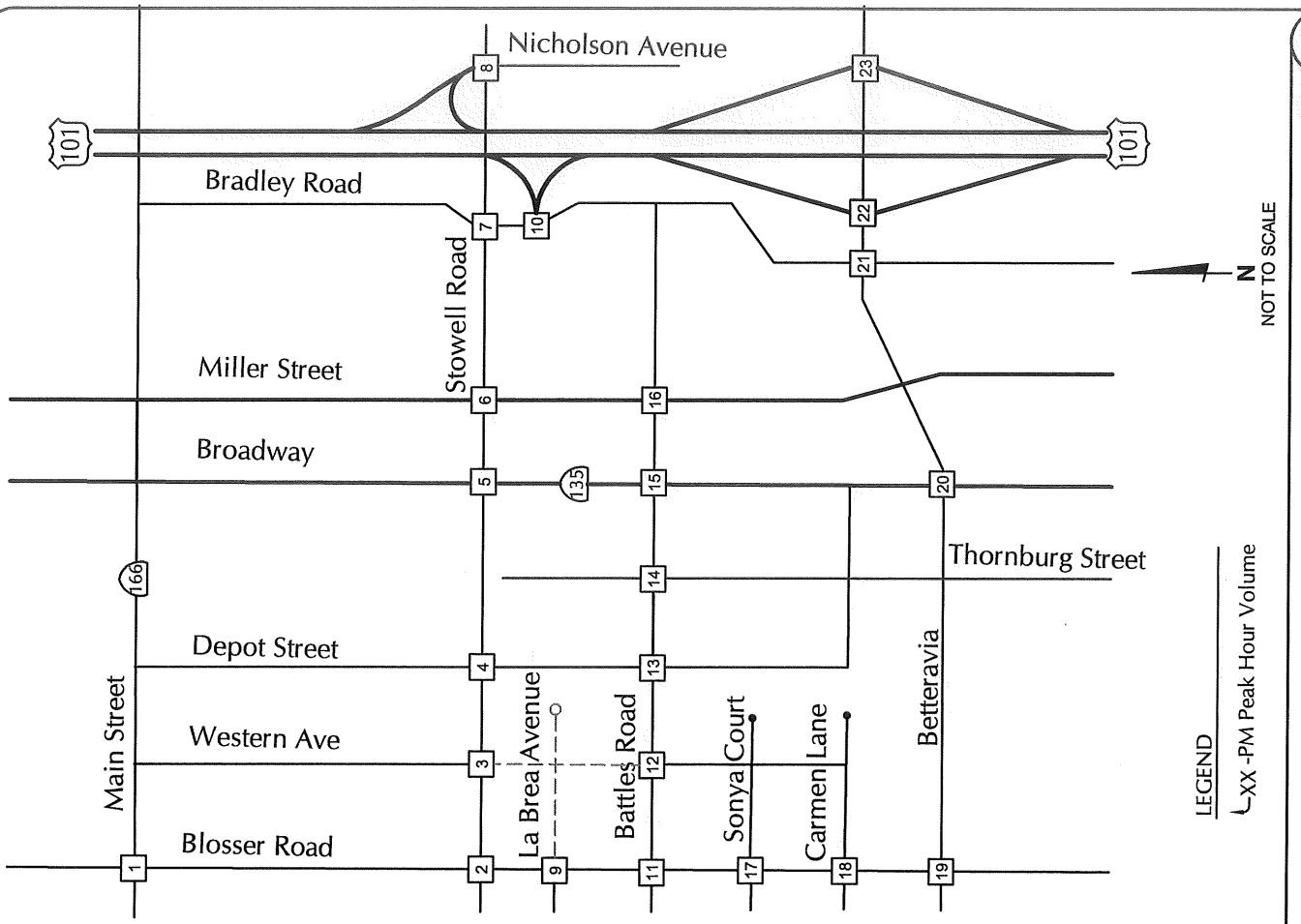

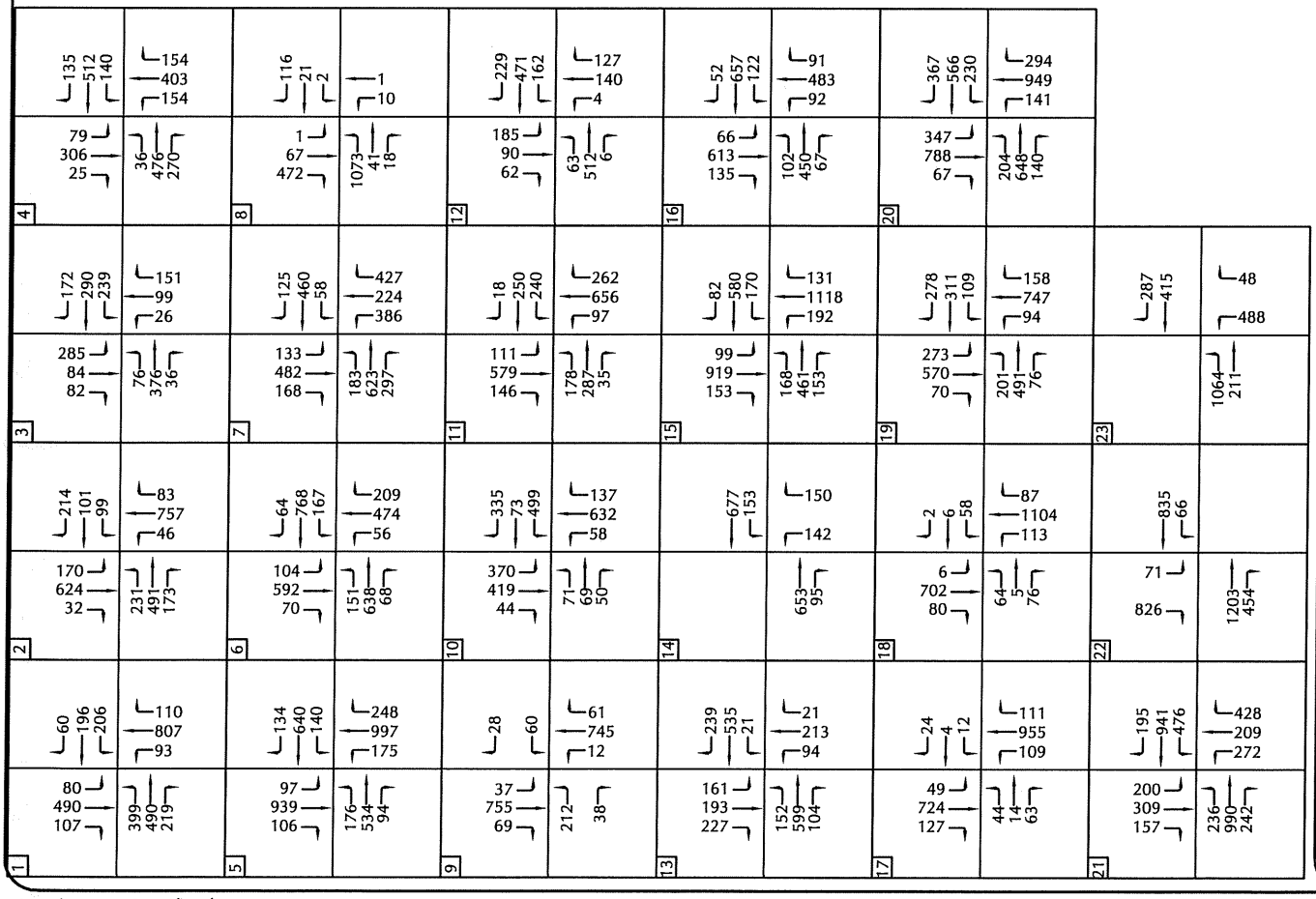

FIGURE 9

EXISTING + SPECIFIC PLAN TRAFFIC VOLUMES - PM PEAK HOUR

KAB - ATE#19016

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Table 4
Existing + Specific Plan Levels of Service – AM Peak Hour

Intersection	Existing		Existing + Specific Plan		Impact?
	ICU	LOS	ICU	LOS	
Blosser Rd/Main St	0.60	LOS A	0.62	LOS A	No
Stowell Rd/Blosser Rd	0.53	LOS A	0.49	LOS A	No
Stowell Rd/Western Ave(a)(b)	12.5 Sec.	LOS B	19.1 Sec.	LOS C	No
Stowell Rd/Depot St	0.49	LOS A	0.56	LOS A	No
Stowell Rd/Broadway	0.57	LOS A	0.65	LOS B	No
Stowell Rd/Miller St	0.52	LOS A	0.57	LOS A	No
Stowell Rd/Bradley Rd	0.51	LOS A	0.55	LOS A	No
Stowell Rd/US 101 NB(a)	8.1 Sec.	LOS A	8.2 Sec.	LOS A	No
Blosser Rd/La Brea Ave(b)	0.48	LOS A	0.45	LOS A	No
Bradley Rd/US 101 SB-Columbia	0.51	LOS A	0.58	LOS A	No
Battles Rd/Blosser Rd	0.52	LOS A	0.59	LOS A	No
Battles Rd/Western Ave(a)(b)	11.8 Sec.	LOS B	11.8 Sec.	LOS B	No
Battles Rd/Depot St	0.48	LOS A	0.54	LOS A	No
Battles Rd/Thornburg St(a)	12.4 Sec.	LOS B	19.2 Sec.	LOS C	No
Battles Rd/Broadway	0.47	LOS A	0.55	LOS A	No
Battles Rd/Miller St	0.44	LOS A	0.47	LOS A	No
Blosser Rd/Sonya Ln(a)	15.3 Sec.	LOS C	16.9 Sec.	LOS C	No
Blosser Rd/Carmen Ln	0.53	LOS A	0.55	LOS A	No
Blosser Rd-Skyway/Betteravia Rd	0.61	LOS B	0.65	LOS B	No
Betteravia Rd/Broadway	0.59	LOS A	0.63	LOS B	No
Betteravia Rd/Bradley Rd	0.43	LOS A	0.44	LOS A	No
Betteravia Rd/US 101 SB(c)	0.82	LOS D	0.51	LOS A	No
Betteravia Rd/US 101 NB(c)	0.40	LOS A	0.42	LOS A	No

(a) Stop Sign control. LOS based on average delay per vehicle in seconds.
(b) Existing + Specific Plan LOS assumes improvements required to connect the SP to the adjacent streets.
(c) Existing + Specific Plan LOS assumes planned improvements (see Planned Improvements – Page 10).

Table 5
Existing + Specific Plan Levels of Service – PM Peak Hour

Intersection	Existing		Existing + Specific Plan		Impact?
	ICU	LOS	ICU	LOS	
Blosser Rd/Main St	0.75	LOS B	0.76	LOS B	No
Stowell Rd/Blosser Rd	0.81	LOS D	0.73	LOS C	No
Stowell Rd/Western Ave(a)(b)	18.0 Sec.	LOS C	26.1 Sec.	LOS D	No
Stowell Rd/Depot St	0.58	LOS A	0.71	LOS C	No
Stowell Rd/Broadway	0.78	LOS C	0.88	LOS D	No
Stowell Rd/Miller St	0.76	LOS C	0.81	LOS D	No
Stowell Rd/Bradley Rd	0.64	LOS B	0.70	LOS B	No
Stowell Rd/US 101 NB(a)	8.8 Sec.	LOS A	8.8 Sec.	LOS A	No
Blosser Rd/La Brea Ave(b)	0.55	LOS A	0.51	LOS A	No
Bradley Rd/US 101 SB-Columbia	0.80	LOS C	0.87	LOS D	No
Battles Rd/Blosser Rd	0.68	LOS B	0.68	LOS B	No
Battles Rd/Western Ave(a)(b)	10.4 Sec.	LOS B	**>50 Sec.**	**LOS F**	**YES**
Battles Rd/Depot St	0.50	LOS A	0.58	LOS A	No
Battles Rd/Thornburg St(a)	21.5 Sec.	LOS C	**>50 Sec.**	**LOS F**	**YES**
Battles Rd/Broadway	0.68	LOS B	0.75	LOS C	No
Battles Rd/Miller St	0.62	LOS B	0.67	LOS B	No
Blosser Rd/Sonya Ln(a)	11.8 Sec.	LOS B	12.5 Sec.	LOS B	No
Blosser Rd/Carmen Ln	0.52	LOS A	0.53	LOS A	No
Blosser Rd-Skyway/Betteravia Rd	0.73	LOS C	0.78	LOS C	No
Betteravia Rd/Broadway	0.83	LOS D	0.86	LOS D	No
Betteravia Rd/Bradley Rd	0.74	LOS C	0.75	LOS C	No
Betteravia Rd/US 101 SB(c)	0.90	LOS D	0.62	LOS B	No
Betteravia Rd/US 101 NB(c)	0.70	LOS B	0.72	LOS C	No

(a) Stop Sign control. LOS based on average delay per vehicle in seconds.
(b) Existing + Specific Plan LOS assumes improvements required to connect the SP to the adjacent streets.
(c) Existing + Specific Plan LOS assumes planned improvements (see Planned Improvements – Page 10).

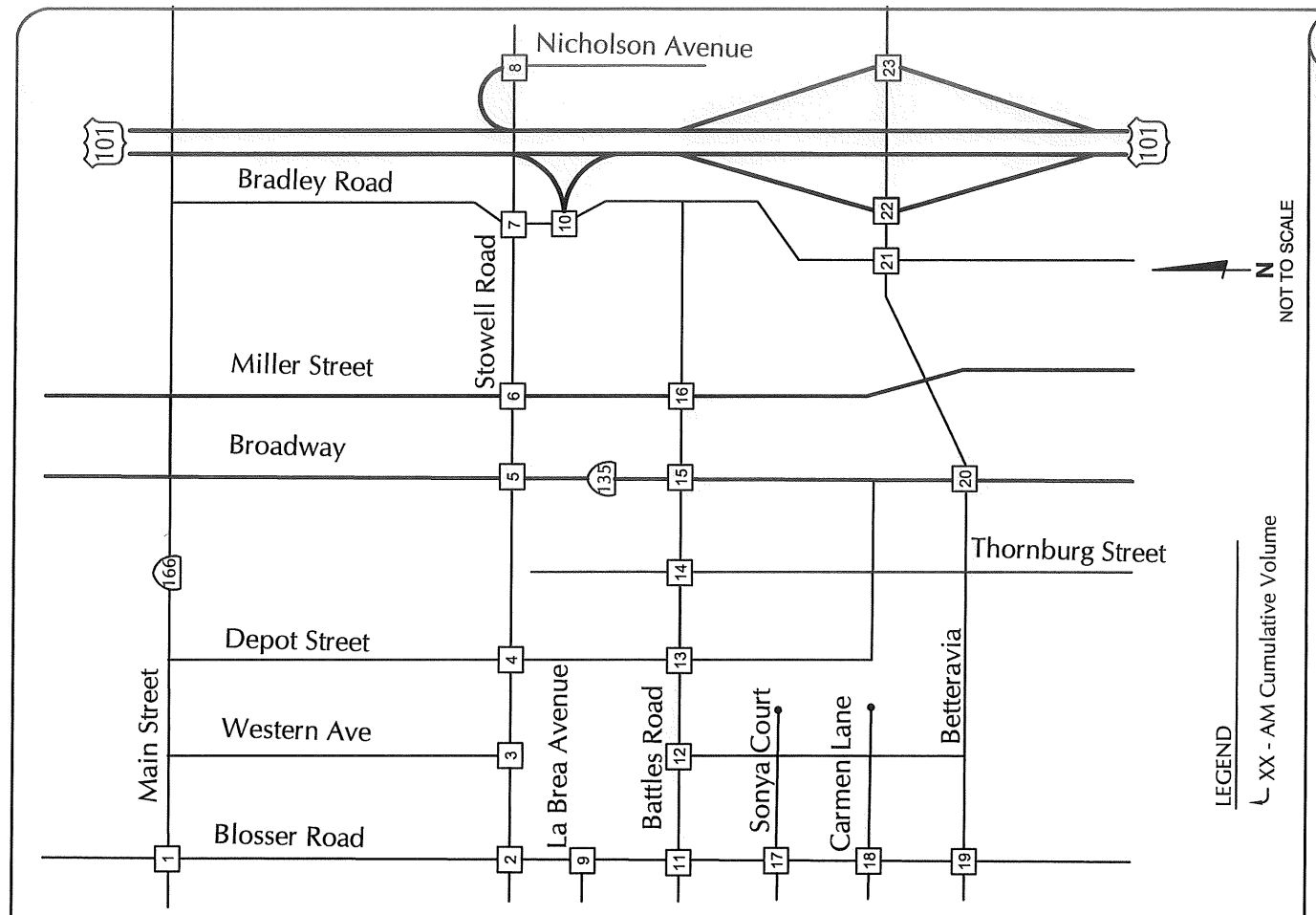
CUMULATIVE ANALYSIS

Traffic Forecasts

Cumulative conditions were forecast assuming the additional traffic that would be generated by development of approved and pending projects located in the City. These land uses were incorporated into the Santa Maria Traffic Model to forecast Cumulative conditions. The Cumulative AM and PM peak hour forecasts for the study-area intersections are shown in Figures 10 and 11. The Cumulative baseline forecasts do not assume the new road roads within the Specific Plan (Western Avenue and La Brea Avenue extensions) since those roads would be constructed as part of the proposed Specific Plan. The Cumulative + Specific Plan forecasts, which are shown in Figures 12 and 13, include the extensions of Western Avenue and La Brea Avenue that are planned as part of the Specific Plan.

Cumulative Intersection Impacts

Tables 6 and 7 compare the Cumulative and Cumulative + Specific Plan AM and PM peak hour levels of service for the study-area intersections and identify the significance of cumulative impacts. Levels of service for the Stowell Road/Western Avenue, Blosser Road/La Brea Avenue, and Battles Road/Western Avenue intersections assume the lane geometry modifications recommended for connecting the Specific Plan to the adjacent street network (see Specific Plan Access and Circulation section of this report).



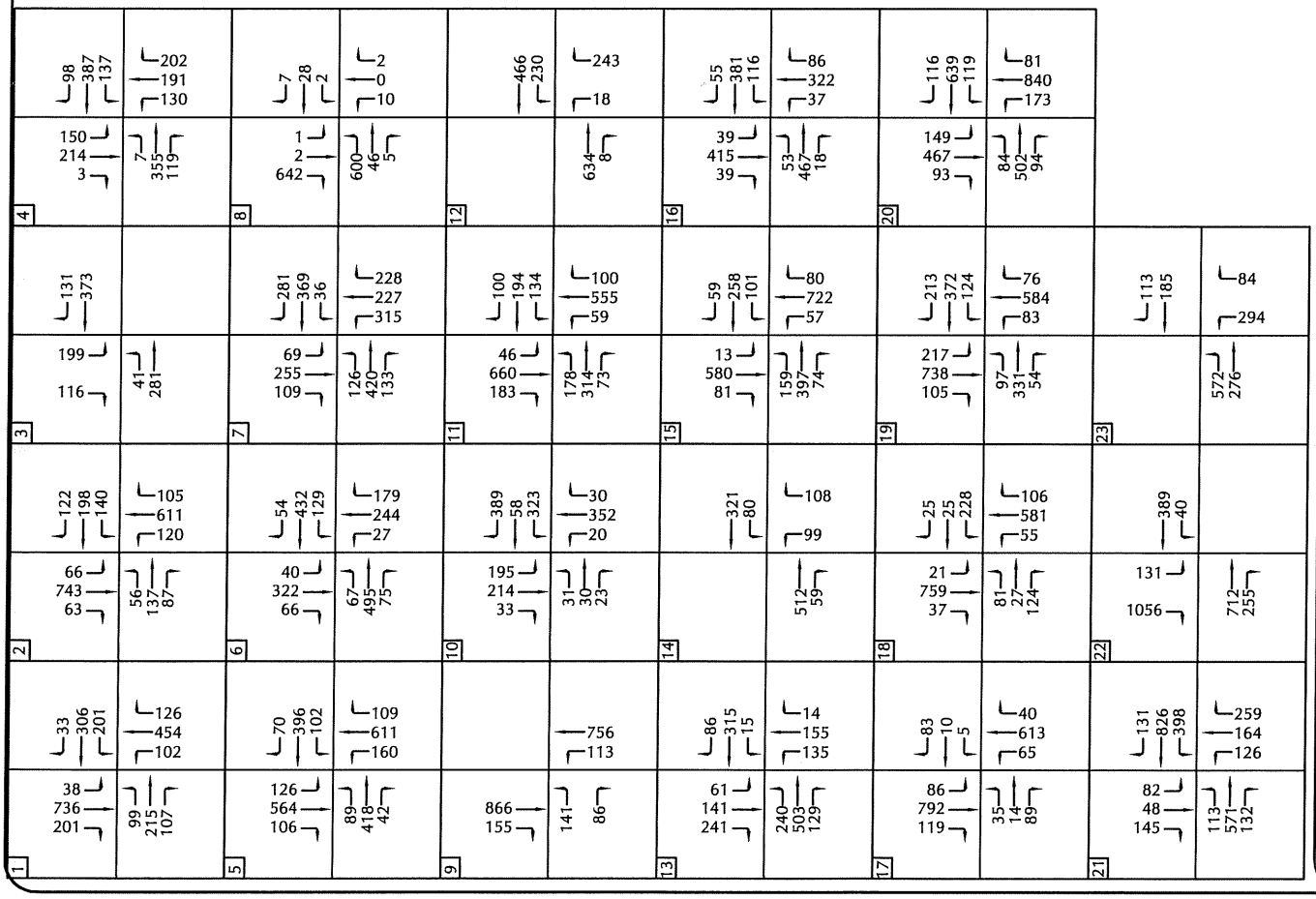


FIGURE 10

CUMULATIVE TRAFFIC VOLUMES - AM PEAK HOUR

JH - ATE#19016

ASSOCIATED TRANSPORTATION ENGINEERS

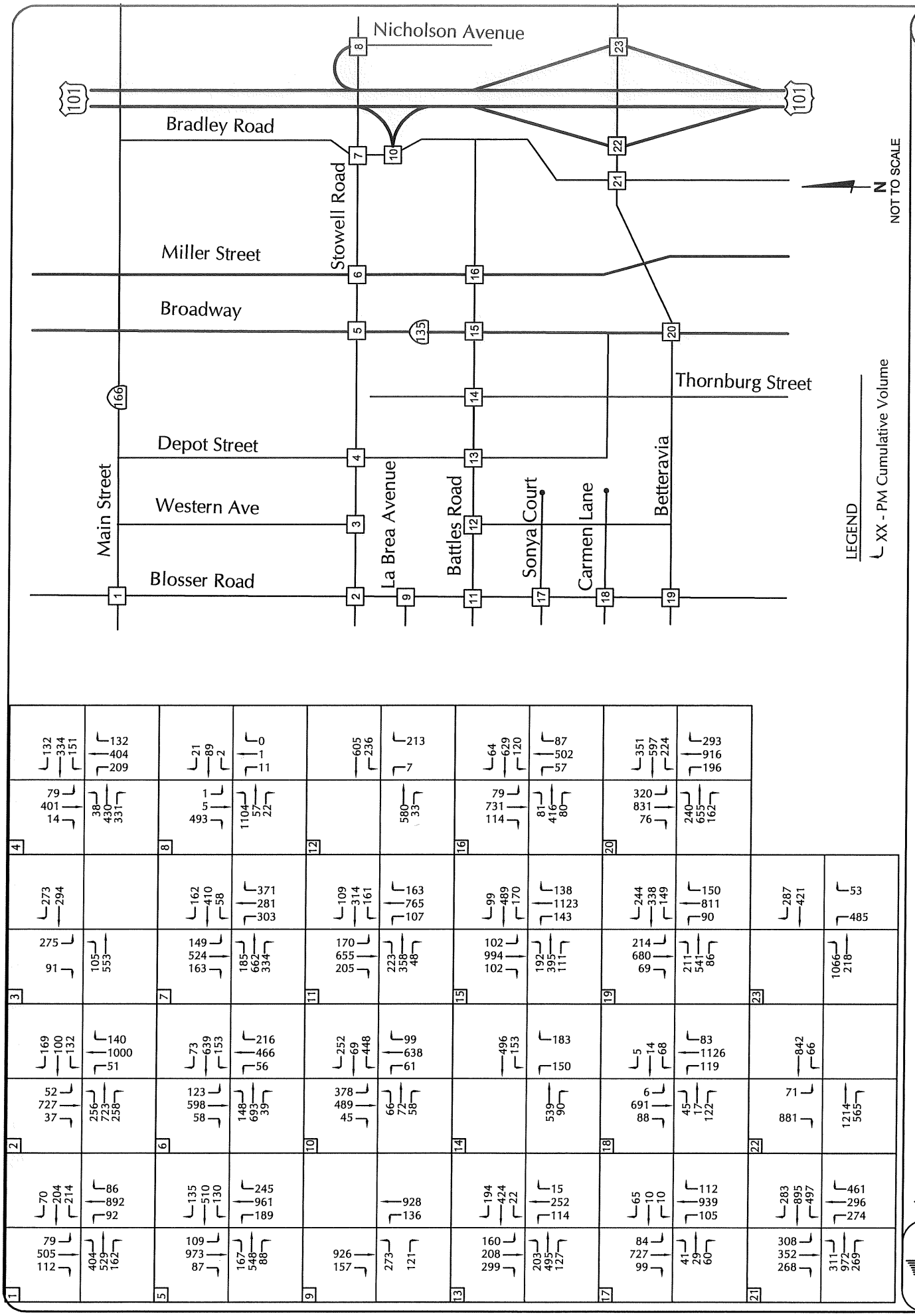


FIGURE 11

CUMULATIVE TRAFFIC VOLUMES - PM PEAK HOUR

JH - ATE#19016

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ASSOCIATED TRANSPORTATION ENGINEERS

CUMLATIVE + SPECIFIC PLAN TRAFFIC VOLUMES - AM PEAK HOUR

FIGURE 12

KAB - ATE#19016

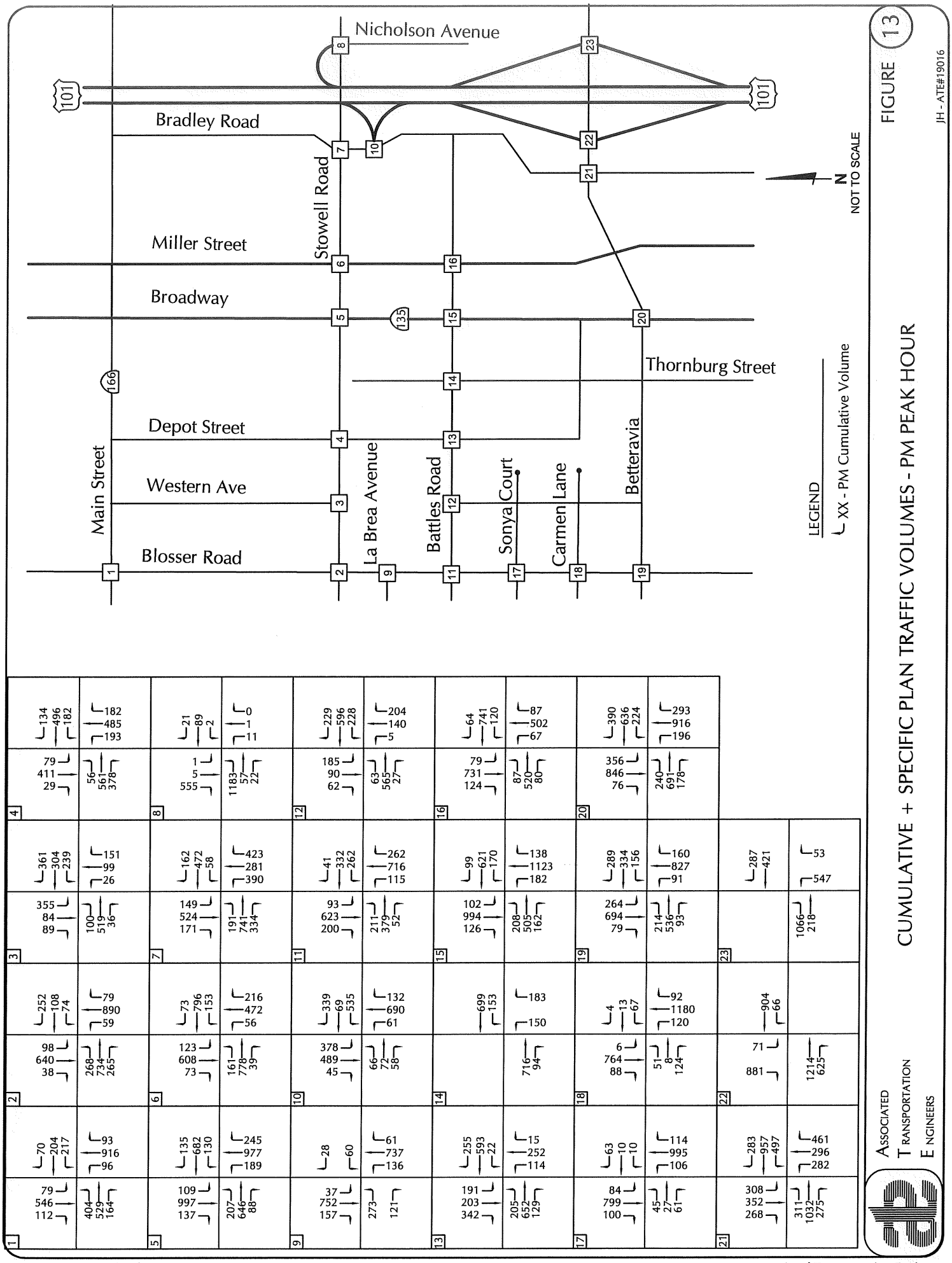


FIGURE 13

CUMULATIVE + SPECIFIC PLAN TRAFFIC VOLUMES - PM PEAK HOUR

JH - ATE#19016

ASSOCIATED TRANSPORTATION ENGINEERS

Table 6
Cumulative + Specific Plan Levels of Service – AM Peak Hour

Intersection	Cumulative		Cumulative + Specific Plan		Impact?
	ICU	LOS	ICU	LOS	
Blosser Rd/Main St	0.61	LOS B	0.62	LOS B	No
Stowell Rd/Blosser Rd	0.60	LOS A	0.55	LOS A	No
Stowell Rd/Western Ave(a)(b)	15.2 Sec.	LOS C	25.7 Sec.	LOS D	No
Stowell Rd/Depot St	0.54	LOS A	0.61	LOS B	No
Stowell Rd/Broadway	0.61	LOS B	0.69	LOS B	No
Stowell Rd/Miller St	0.53	LOS A	0.59	LOS A	No
Stowell Rd/Bradley Rd	0.55	LOS A	0.59	LOS A	No
Stowell Rd/US 101 NB(a)	8.1 Sec.	LOS A	8.3 Sec.	LOS A	No
Blosser Rd/La Brea Ave(b)	0.58	LOS A	0.55	LOS A	No
Bradley Rd/US 101 SB-Columbia	0.55	LOS A	0.62	LOS B	No
Battles Rd/Blosser Rd	0.57	LOS A	0.65	LOS B	No
Battles Rd/Western Ave(a)(b)	13.0 Sec.	LOS B	**>50 Sec.**	**LOS F**	**YES**
Battles Rd/Depot St	0.55	LOS A	0.61	LOS B	No
Battles Rd/Thornburg St(a)	13.1 Sec.	LOS B	21.8 Sec.	LOS C	No
Battles Rd/Broadway	0.48	LOS A	0.56	LOS A	No
Battles Rd/Miller St	0.48	LOS A	0.53	LOS A	No
Blosser Rd/Sonya Ln(a)	16.5 Sec.	LOS C	18.7 Sec.	LOS C	No
Blosser Rd/Carmen Ln	0.58	LOS A	0.60	LOS A	No
Blosser Rd-Skyway/Betteravia Rd	0.63	LOS B	0.67	LOS B	No
Betteravia Rd/Broadway	0.62	LOS B	0.65	LOS B	No
Betteravia Rd/Bradley Rd	0.51	LOS A	0.53	LOS A	No
Betteravia Rd/US 101 SB(c)	0.55	LOS A	0.56	LOS A	No
Betteravia Rd/US 101 NB(c)	0.43	LOS A	0.44	LOS A	No

(a) Stop Sign control. LOS based on average delay per vehicle in seconds.
(b) Cumulative + Specific Plan LOS assumes improvements required to connect the SP to the adjacent streets.
(c) Cumulative & Cumulative + Specific Plan LOS assumes planned improvements (see Planned Improvements – Page 10).

Table 7
Cumulative + Specific Plan Levels of Service – PM Peak Hour

Intersection	Cumulative		Cumulative + Specific Plan		Impact?
	ICU	LOS	ICU	LOS	
Blosser Rd/Main St	0.79	LOS C	0.80	LOS C	No
Stowell Rd/Blosser Rd	0.86	LOS D	0.78	LOS C	No
Stowell Rd/Western Ave(a)(b)	28.9 Sec.	LOS D	**>50 Sec.**	**LOS F**	**YES**
Stowell Rd/Depot St	0.71	LOS C	0.84	LOS D	No
Stowell Rd/Broadway	0.85	LOS D	**0.95**	**LOS E**	**YES**
Stowell Rd/Miller St	0.79	LOS C	0.84	LOS D	No
Stowell Rd/Bradley Rd	0.68	LOS B	0.73	LOS C	No
Stowell Rd/US 101 NB(a)	8.8 Sec.	LOS A	8.8 Sec.	LOS A	No
Blosser Rd/La Brea Ave(b)	0.69	LOS B	0.63	LOS B	No
Bradley Rd/US 101 SB-Columbia	0.84	LOS D	**0.91**	**LOS E**	**YES**
Battles Rd/Blosser Rd	0.74	LOS C	0.73	LOS C	No
Battles Rd/Western Ave(a)(b)	11.7 Sec.	LOS B	**>50 Sec.**	**LOS F**	**YES**
Battles Rd/Depot St	0.60	LOS A	0.67	LOS B	No
Battles Rd/Thornburg St(a)	27.6 Sec.	LOS D	**>50 Sec.**	**LOS F**	**YES**
Battles Rd/Broadway	0.72	LOS C	0.80	LOS C	No
Battles Rd/Miller St	0.66	LOS B	0.71	LOS C	No
Blosser Rd/Sonya Ln(a)	13.1 Sec.	LOS B	15.4 Sec.	LOS C	No
Blosser Rd/Carmen Ln	0.57	LOS A	0.58	LOS A	No
Blosser Rd-Skyway/Betteravia Rd	0.80	LOS C	0.84	LOS D	No
Betteravia Rd/Broadway	0.84	LOS D	0.87	LOS D	No
Betteravia Rd/Bradley Rd	0.88	LOS D	0.89	LOS D	No
Betteravia Rd/US 101 SB(c)	0.64	LOS B	0.66	LOS B	No
Betteravia Rd/US 101 NB(c)	0.72	LOS C	0.74	LOS C	No

(a) Stop Sign control. LOS based on average delay per vehicle in seconds.
(b) Cumulative +Specific Plan LOS assumes improvements required to connect the SP to the adjacent streets.
(c) Cumulative & Cumulative +Specific Plan LOS assumes planned improvements (see Planned Improvements – Page 10).

The forecasts shown in Tables 8 and 9 indicate that the following intersections are forecast to operate at LOS E or LOS F with Cumulative and/or Cumulative + Specific Plan traffic, which exceed the City's LOS D standard:

- Stowell Road/Western Avenue – LOS F (PM Peak Hour)
- Stowell Road/Broadway – LOS E (PM Peak Hour)
- Bradley Road/US 101 SB-Columbia Drive – LOS E (PM Peak Hour)
- Battles Road/Western Avenue – LOS F (AM & PM Peak Hours)
- Battles Road/Thornburg Street – LOS F (PM Peak Hour)

SPECIFIC PLAN ACCESS AND CIRCULATION

As shown in Figure 3, development of the Specific Plan includes the extension of Western Avenue through the site with connections to the existing segments of Western Avenue north and south of the Specific Plan area; and the extension of La Brea Avenue easterly from Blosser Road. These two main roads would serve as the backbone of the Specific Plan street network. Local roads would connect to the backbone system for access to individual parcels but have not been identified. The following text outlines the roadway and intersection improvements required to provide access for the Specific Plan and circulation within the Specific Plan.

Roadway Improvements

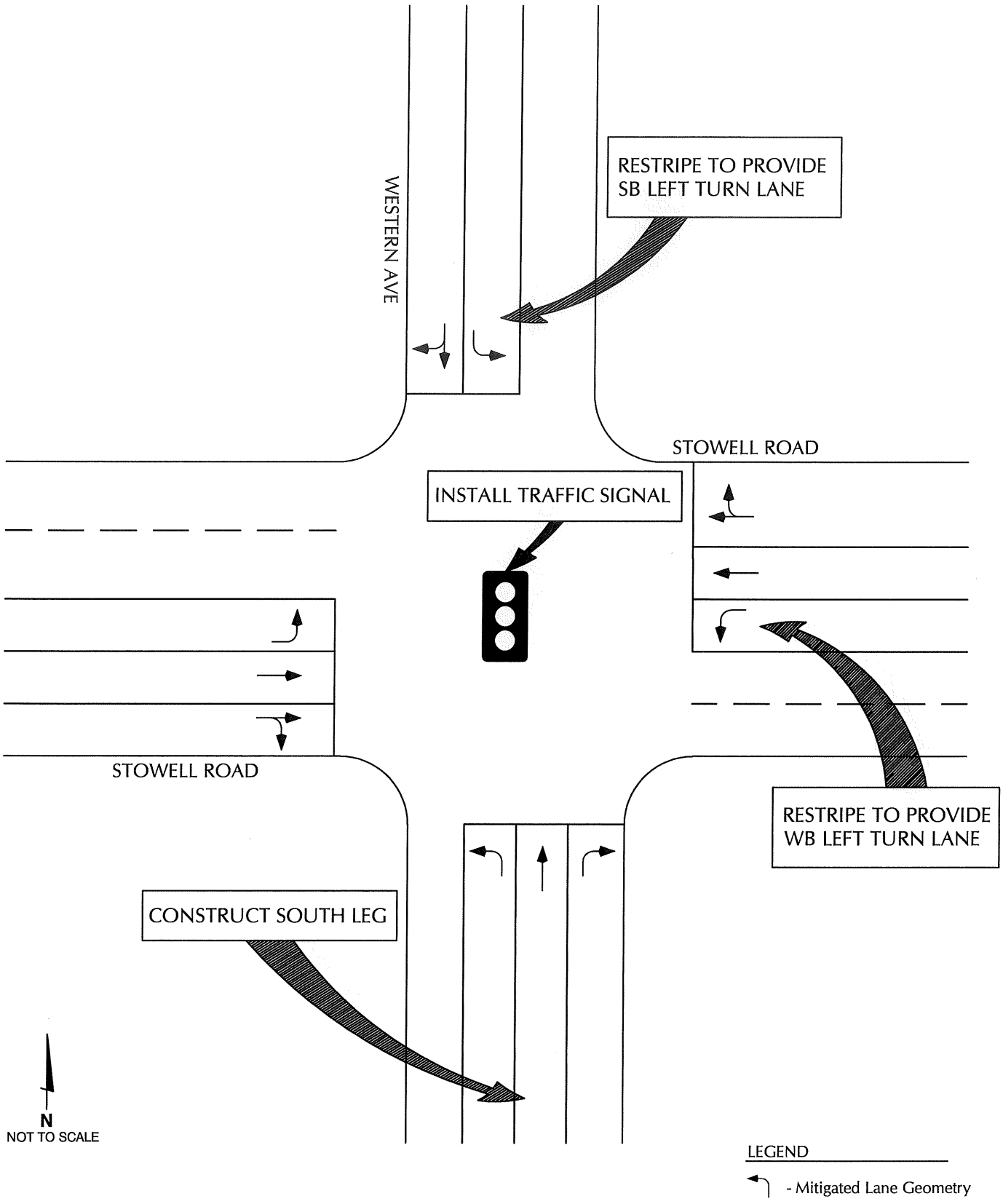
Stowell Road, Blosser Road, Battles Road – Frontage Improvements. These three roads located along the perimeter of the Specific Plan are designated as Secondary Arterial roads in the City's Circulation Element. Battles Road is a fully improved to Secondary Arterial standards adjacent to the Specific Plan. Stowell Road and Blosser Road will require frontage improvements adjacent to the Specific Plan to conform to Secondary Arterial standards (minor widenings to provide required shoulders, turn lanes, curb, gutter, sidewalk, etc.)

Western Avenue & La Brea Avenue – Extensions. These two new roads are designated as Collector Streets. Collector Streets include 44-foot curb-to-curb sections, 8-foot parkways, and 5-foot sidewalks on both sides of the street. For reference, the section of Western Avenue north of Stowell Road is 40-foot curb-to-curb and the section south of Battles Road is 44-foot curb-to-curb. The section of La Brea Avenue west of Blosser Road has been constructed with a 44-foot curb-to-curb street width.

Intersection Improvements

Stowell Road/Western Avenue. This intersection is currently controlled by an all-way Stop signs. The traffic analysis presented above found that the intersection is forecast to operate at LOS D or better with Existing + Specific Plan traffic assuming Stop sign control (all-way Stop). The analysis also found that the intersection will eventually degrade to LOS F during the PM peak period with Cumulative + Specific Plan traffic. Thus, traffic signals will ultimately be required at the intersection. It is recommended that the intersection be controlled by Stop signs (all-way Stop) initially and signalized when traffic signal warrants are satisfied in the future. Figure 14 illustrates that lane geometry required to accommodate Cumulative + Specific Plan traffic.

Blosser Road/La Brea Avenue. This intersection is currently controlled by traffic signals. The La Brea Avenue extension within the Specific Plan and the Blosser Road frontage improvements will require modification of the existing signal system. Figure 15 illustrates that lane geometry required to accommodate Cumulative + Specific Plan traffic. It is recommended that the traffic signal modifications include left-turn phasing on La Brea Avenue. These improvements would provide LOS A-B operations during the peak hour periods under Cumulative + Specific Plan conditions.



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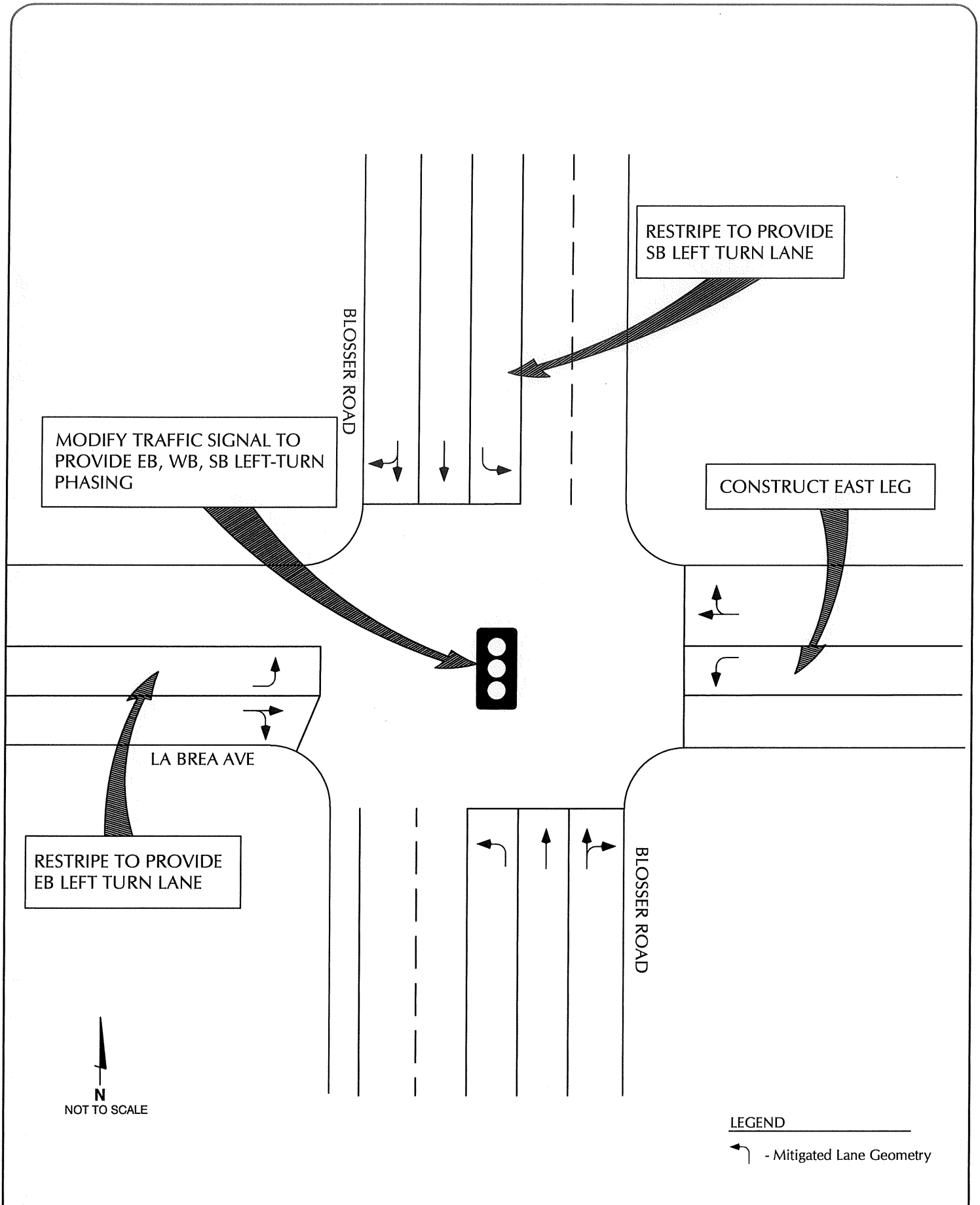
STOWELL/WESTERN - RECOMMENDED IMPROVEMENTS

FIGURE 14

JH - #19030



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BLOSSER/LA BREA - RECOMMENDED IMPROVEMENTS

FIGURE 15

JH - #19030

Battles Road/Western Avenue. This intersection is currently controlled by a Stop sign on the northbound Western Avenue approach (Battles Road traffic is free flow). The traffic analysis presented above found that the intersection is forecast to operate at LOS F with Existing + Specific Plan traffic assuming Stop signs controlling the northbound and southbound Western Avenue intersection approaches. Traffic signals will be required to accommodate Specific Plan traffic and meet the City's level of service standards. Figure 16 illustrates that lane geometry required to accommodate Cumulative + Specific Plan traffic and meet the City's level of service standards.

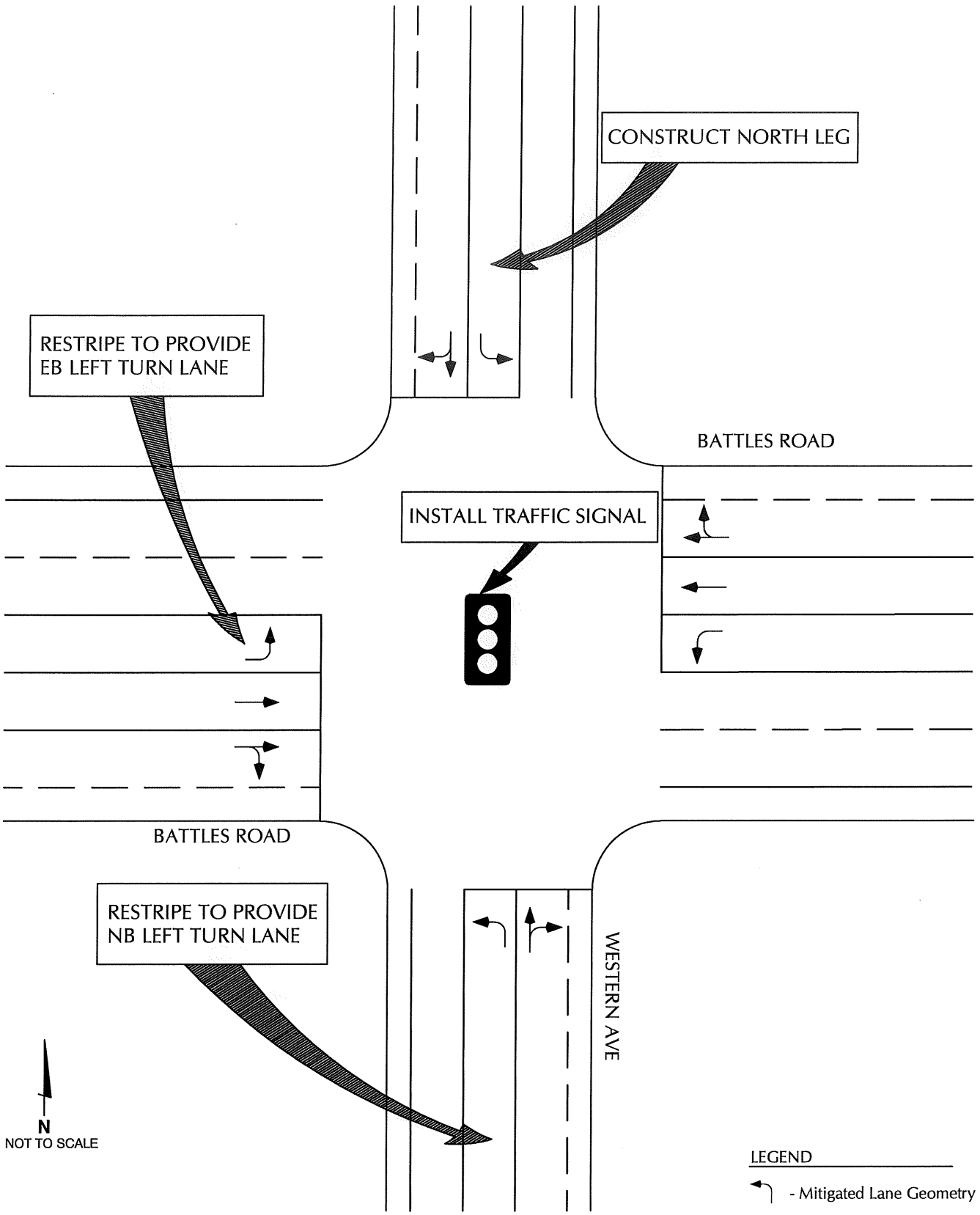
Western Avenue/La Brea Avenue. City staff requested an analysis of the Western Avenue/La Brea Avenue intersection within the Specific Plan in order to determine if the intersection should be controlled by Stop signs or configured as a roundabout. The Cumulative + Specific Plan traffic volumes for the intersection are shown on Figure 17. It is important to note that the traffic forecasts are preliminary in nature since the local streets that would provide access to the developments within the Specific Plan have not be defined. The forecasts assume that access for the school planned northeast of the intersection would be taken from the La Brea Avenue extension.

Controlling the intersection with Stop signs on the La Brea Avenue approaches (with Western Avenue traffic free flow) would result in LOS B during the AM and PM peak hours (see LOS worksheets in Technical Appendix). The forecasts shows that a single-lane roundabout would accommodate the Cumulative + Specific Plan traffic. The single-lane roundabout would provide LOS A during the AM and PM peak periods – better LOS operations compared to Stop sign controls. It is recommended that the intersection be controlled by a modern roundabout for safety reasons, since the number of accidents and the severity of accidents are significantly lower at roundabouts when compared to conventional intersections controlled by Stop signs or traffic signals.

School Access. It is recommended that the access for the school be limited to La Brea Avenue in order to minimize turning movement friction on Western Avenue. Vehicle queueing, circulation, and pedestrian activity would therefore occur on La Brea Avenue adjacent to the school's drop-off/pick-up and parking areas. It is also recommended that the City meet with the school district to develop the site access and circulation system for the proposed school (such as placement of driveway locations, crosswalk locations and types, sign locations and types, safe routes to school program, etc.).

MITIGATION MEASURES

The following mitigation measures include the street network improvements required within the Specific Plan (as outlined under Site Access and Circulation), as well as Project-Specific and Cumulative measures at off-site locations that are required to maintain the City's LOS D standard. It is noted that some of the mitigation measures may be programmed on the City's current Capital Improvement List, which is funded via the City's traffic mitigation fee program.

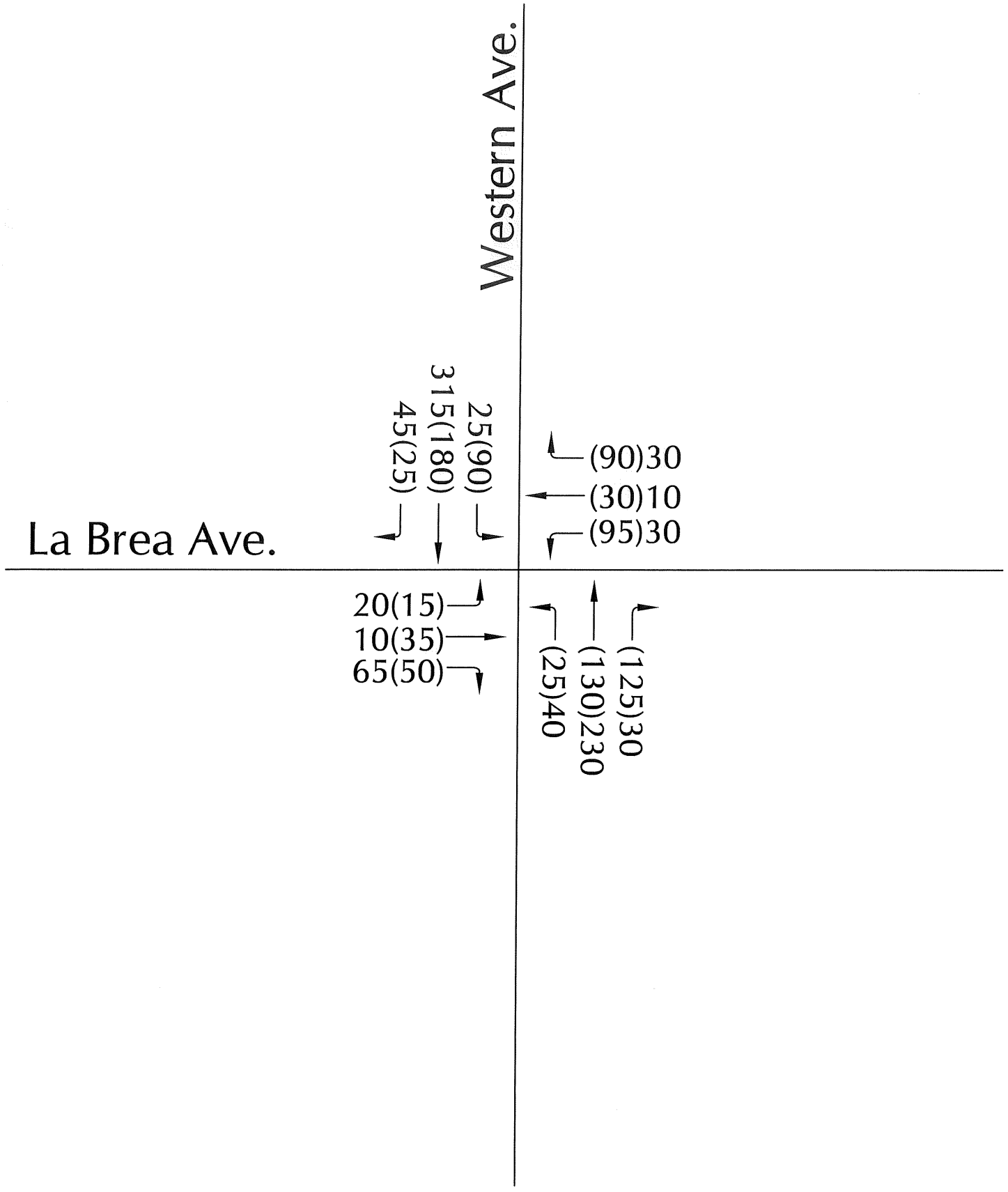


ASSOCIATED TRANSPORTATION ENGINEERS

BATTLES/WESTERN - RECOMMENDED IMPROVEMENTS

FIGURE 16

JH - #19030



ASSOCIATED TRANSPORTATION ENGINEERS

WESTERN/LA BREA - TRAFFIC FORECASTS

FIGURE 17

KAB - ATE# 19016

Project-Specific Measures

The following "Specific Plan Measures" will be required within the Specific Plan and to connect the Specific Plan to the adjacent street network. The "Off-Site Measures" are Project-Specific mitigations required at locations outside of the Specific Plan boundaries.

Specific Plan Measures

Secondary Arterials. Stowell Road and Blosser Road will require frontage improvements adjacent to the Specific Plan to conform to Secondary Arterial standards (minor widenings to provide required shoulders, curb, gutter, sidewalk, etc.).

Collector Roads. Western Avenue and La Brea Avenue are designated as Collector Streets and the new street sections should be constructed to City standards.

Stowell Road/Western Avenue. The traffic analysis found that this intersection is forecast to operate at LOS D or better with Existing + Specific Plan traffic assuming Stop sign control (all-way Stop) but will degrade to LOS F during the PM peak period with Cumulative + Specific Plan traffic. The intersection should be controlled by Stop signs (all-way Stop) initially and signalized when traffic signal warrants are satisfied. Constructing the intersection with the lane geometry shown in Figure 16 and installation of traffic signals would provide LOS C (ICU 0.71) under Cumulative + Specific Plan conditions.

Blosser Road/La Brea Avenue. This intersection is currently controlled by traffic signals that will require modifications when La Brea Avenue is extended. It is recommended that the traffic signal modifications include left-turn phasing on La Brea Avenue. The intersection would operate at LOS A during the AM and PM peak periods with Existing + Specific Plan traffic assuming the lane geometry shown in Figure 15.

Battles Road/Western Avenue. This intersection is forecast to operate at LOS F with Existing + Specific Plan traffic assuming Stop sign control. Traffic signals will be required to accommodate Specific Plan traffic and meet the City's level of service standards. The intersection would operate at LOS C (ICU 0.72) during the AM peak hour and LOS B (ICU 0.65) during the PM peak hour with Existing + Specific Plan traffic assuming the lane geometry shown in Figure 16 and traffic signal controls.

Western Avenue/La Brea Avenue. It is recommended that this intersection be controlled by a modern roundabout for safety reasons, since the number of accidents and the severity of accidents are significantly lower at roundabouts when compared to conventional intersections controlled by traffic signals and Stop signs.

School Access. It is recommended that the access for the school be limited to La Brea Avenue in order to minimize turning movement friction on Western Avenue. Vehicle queueing, circulation, and pedestrian activity would therefore occur on La Brea Avenue adjacent to the school's drop-off/pick-up and parking areas.

Off-Site Measures

Battles Road/Thornburg Street. This intersection is forecast to operate at LOS F during the PM peak period with Existing + Specific Plan traffic assuming Stop sign control. Traffic signals will be required to accommodate Specific Plan traffic and meet the City's level of service standards. The intersection would operate at LOS C (ICU 0.71) during the PM peak period with Existing + Specific Plan traffic assuming traffic signal controls.

Cumulative Measures

The following mitigation measures are required to maintain the City's LOS D standard under cumulative conditions.

Stowell Road/Western Avenue. This intersection is forecast to degrade to LOS F during the PM peak hour with Cumulative + Specific Plan traffic. Constructing the intersection with the lane geometry shown in Figure 14 and installation of traffic signals would provide LOS C (ICU 0.77) under Cumulative + Specific Plan conditions, thus mitigating the cumulative impact.

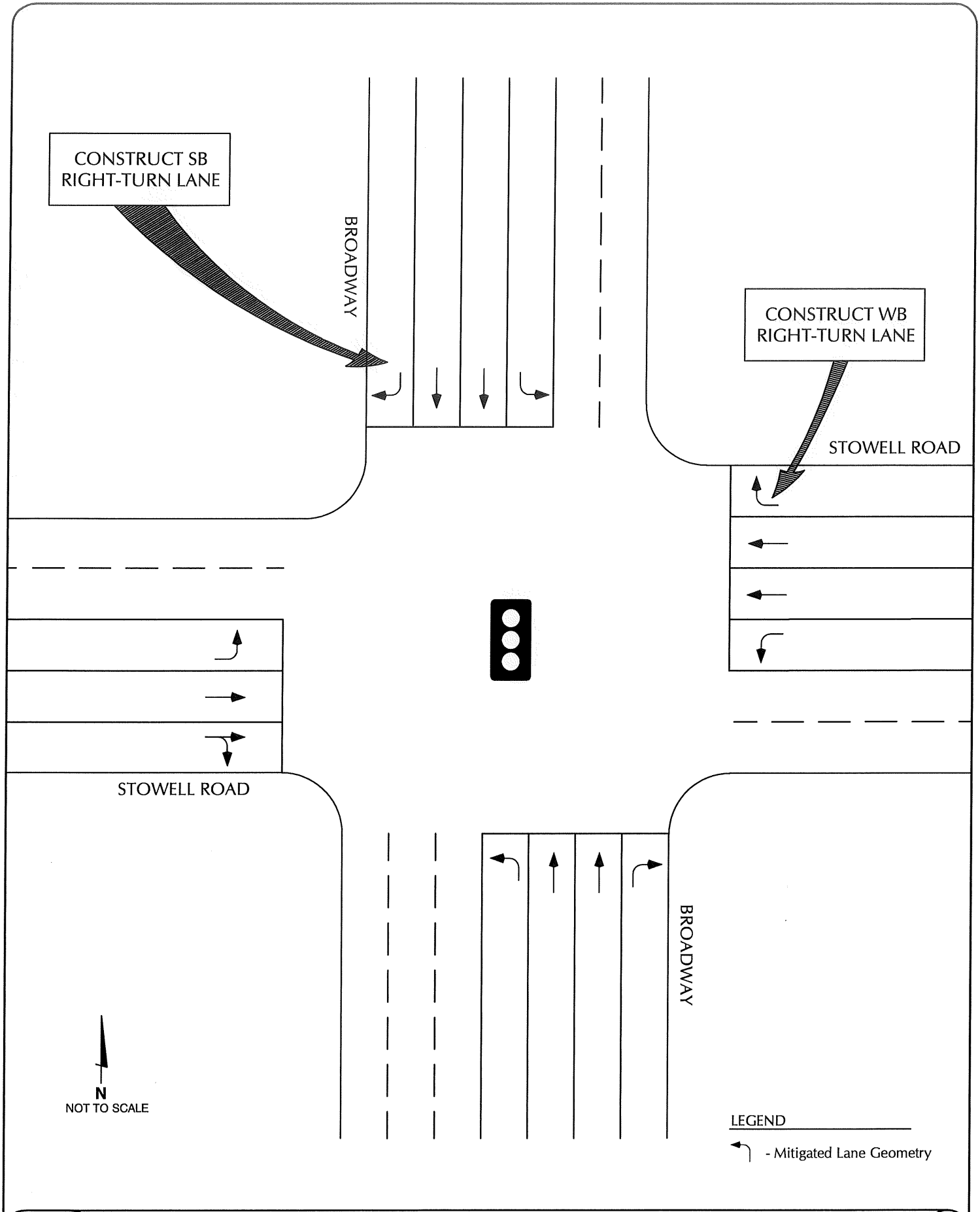
Stowell Road/Broadway. This intersection is forecast to degrade to LOS E during the PM peak hour with Cumulative + Specific Plan traffic. The traffic forecasts show the need for adding separate right-turn lanes on the southbound and westbound approaches (see Figure 18). These improvements would provide LOS D (ICU 0.87) during the PM peak hour period with Cumulative + Specific Plan traffic, thus mitigating the cumulative impacts.

Bradley Road/US 101 SB Ramps-Columbia Drive. This intersection is forecast to degrade to LOS E during the PM peak hour with Cumulative + Specific Plan traffic. Left-turns on the US 101 SB off-ramp are forecast to grow to 535 vehicles under Cumulative + Specific Plan conditions – indicating the need for a second left-turn lane. The thru volume (to the shopping center) is forecast at 69 vehicles. The off-ramp currently contains 3 lanes – 1 left-turn lane, 1 thru lane, and 1 right-turn lane. It is recommended that the off-ramp lanes be restriped to provide 1 left-turn lane, 1 left+thru lane, and 1 right-turn lane (see Figure 19). This mitigation, which Caltrans has programmed for construction in Summer 2019, would provide LOS C (0.77) during the PM peak hour period with Cumulative + Specific Plan traffic, thus mitigating the cumulative impact.

Battles Road/Western Avenue. The project-specific mitigation measure (install of traffic signals) would provide LOS C (ICU 0.72) during the AM peak hour and LOS C (ICU 0.78) during the PM peak hour with Cumulative + Specific Plan traffic, thus mitigating the cumulative impact.

Battles Road/Thornburg Street. The project-specific mitigation measure (installation of traffic signals) would provide LOS C (ICU 0.75) during the PM peak period with Cumulative + Specific Plan traffic, thus mitigating the cumulative impact.

Traffic Mitigation Fees. The developments within the Specific Plan would be required to contribute to the City's traffic mitigation fee program to offset its contribution to traffic impacts within the Santa Maria region beyond the study area analyzed in this report.

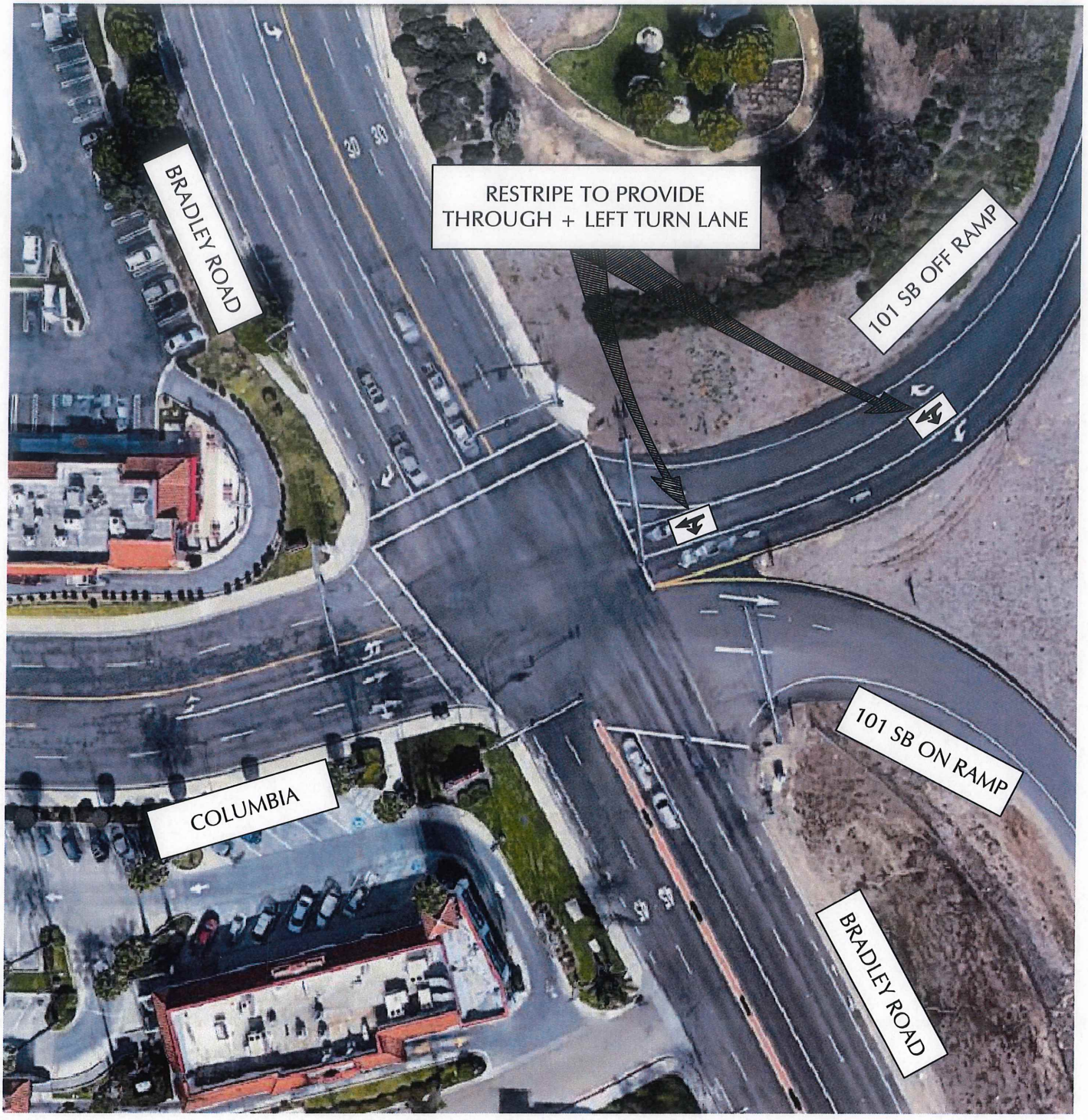


ASSOCIATED TRANSPORTATION ENGINEERS

FIGURE 18

BROADWAY/STOWELL - RECOMMENDED IMPROVEMENTS

JH - #19030



N
NOT TO SCALE

LEGEND

- Mitigated Lane Geometry

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ENGINEERS

BRADLEY/US 101 SB RAMPS-COLUMBIA
- RECOMMENDED IMPROVEMENTS

FIGURE 19

JH - #19030

REFERENCES AND PERSONS CONTACTED

Associated Transportation Engineers

Scott A. Schell, AICP, PTP Principal Transportation Planner
Dan Dawson, Supervising Transportation Planner
Keelan Butler, Traffic Technician

References

Highway Capacity Manual, Transportation Research Board, 2016.

Trip Generation Manual, Institute of Transportation Engineers, 10th Edition, 2017.

Persons Contacted

David Beas, City of Santa Maria
Mark Mueller, City of Santa Maria
Neda Zayer, City of Santa Maria
Robert Shull, PE, Eco Resource Management Systems

TECHNICAL APPENDIX

CONTENTS:

LEVEL OF SERVICE DEFINITIONS

INTERSECTION TURNING MOVEMENTS COUNTS

TRIP GENERATION CALCULATIONS

LEVEL OF SERVICE WORKSHEETS

Reference 1 - Blosser Rd/Main St
Reference 2 - Stowell Rd/Blosser Rd
Reference 3 - Stowell Rd/Western Ave
Reference 4 - Stowell Rd/Depot St
Reference 5 - Stowell Rd/Broadway
Reference 6 - Stowell Rd/Miller St
Reference 7 - Stowell Rd/Bradley Rd
Reference 8 - Stowell Rd/US 101 NB
Reference 9 - Blosser Rd/La Brea Ave
Reference 10 - Bradley Rd/US 101 SB-Columbia
Reference 11 - Battles Rd/Blosser Rd
Reference 12 - Battles Rd/Western Ave
Reference 13 - Battles Rd/Depot St
Reference 14 - Battles Rd/Thornburg St
Reference 15 - Battles Rd/Broadway
Reference 16 - Battles Rd/Miller St
Reference 17 - Blosser Rd/Sonya Ln
Reference 18 - Blosser Rd/Carmen Ln
Reference 19 - Blosser Rd-Skyway/Betteravia Rd
Reference 20 - Betteravia Rd/Broadway
Reference 21 - Betteravia Rd/Bradley Rd
Reference 22 - Betteravia Rd/US 101 SB
Reference 23 - Betteravia Rd/US 101 NB

LEVEL OF SERVICE DEFINITIONS

"Levels of Service" (LOS) A through F are used to rate roadway and intersection operating conditions, with LOS A indicating very good operations and LOS F indicating poor operations. More complete level of service definitions are:

LOS	Definition
A	Low volumes; primarily free flow operations. Density is low and vehicles can freely maneuver within traffic stream. Drivers can maintain their desired speeds with little or no delay.
B	Stable flow with potential for some restriction of operating speeds due to traffic conditions. Maneuvering is only slightly restricted. Stopped delays are not bothersome and drivers are not subject to appreciable tension.
C	Stable operations, however the ability to maneuver is more restricted by the increase in traffic volumes. Relatively satisfactory operating speeds prevail but adverse signal coordination or longer queues cause delays.
D	Approaching unstable traffic flow where small increases in volume could cause substantial delays. Most drivers are restricted in their ability to maneuver and their selection of travel speeds. Comfort and convenience are low but tolerable.
E	Operations characterized by significant approach delays and average travel speeds of one-half to one-third of free flow speed. Flow is unstable and potential for stoppages of brief duration. High signal density, extensive queuing, or signal progression/timing are the typical causes of delays.
F	Forced flow operations with high approach delays at critical signalized intersections. Speeds are reduced substantially and stoppages may occur for short or long periods of time because of downstream congestion.

INTERSECTION TURNING MOVEMENTS COUNTS

Prepared by National Data & Surveying Services

Blosser Rd & Main St

Peak Hour Turning Movement Count

ID: 19-02018-001
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

Blosser Rd — SOUTHBOUND

AM	205	710	39	4	566	AM
NOON	0	0	0	0	0	NOON
PM	107	449	57	23	1265	PM
	1	2	1	0		

Main St — EASTBOUND

AM	NOON	PM	
522	0	392	
0	0	0	0
110	0	399	1
217	0	490	2
94	0	217	0
AM	NOON	PM	

CONTROL

Signalized

TEV	2466 AM	0 NOON	3176 PM
PHF	0.80		0.98

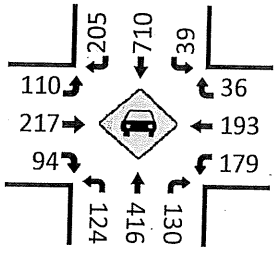
WESTBOUND — Main St

	PM	NOON	AM
0	60	0	36
2	196	0	193
1	182	0	179
0	21	0	9
	671	0	395
	PM	NOON	AM

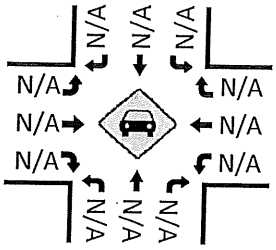
Blosser Rd — NORTHBOUND

	0	1	2	0		
PM	848	0	89	783	103	PM
NOON	0	0	0	0	0	NOON
AM	983	0	124	416	130	AM

Total Vehicles (AM)



Total Vehicles (Noon)



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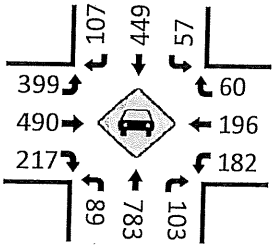
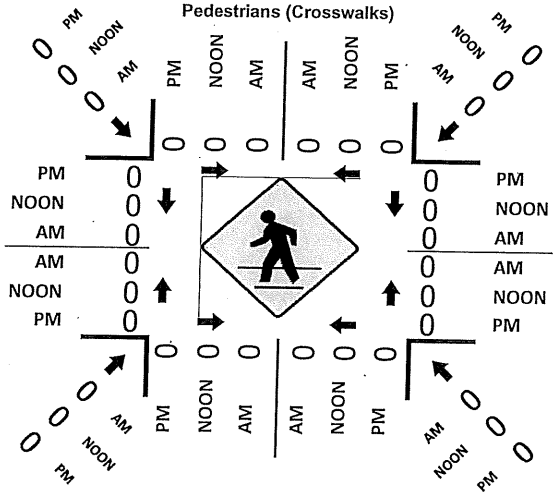


Pedestrians (Crosswalks)



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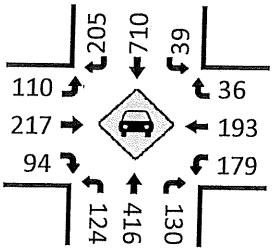
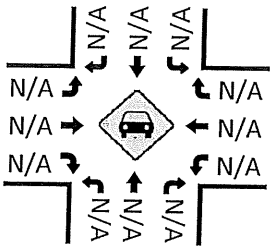


Total Vehicles (Noon)



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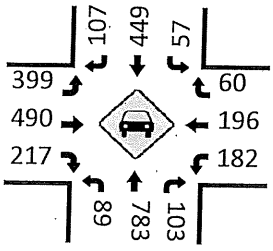


Prepared by National Data & Surveying Services

S Blosser Rd & W Stowell Rd

Peak Hour Turning Movement Count

ID: 18-02092-001
City: Santa Maria

Day: Thursday
Date: 09/06/2018

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

S Blosser Rd — SOUTHBOUND

AM	26	740	67	0	724	AM
NOON	0	0	0	0	0	NOON
PM	31	711	124	0	1298	PM

W Stowell Rd — EASTBOUND

AM	NOON	PM	
249	0	170	
0	0	0	0
27	0	219	0
96	0	480	0
41	0	166	0
AM	NOON	PM	

W Stowell Rd — WESTBOUND

PM	NOON	AM	
131	0	75	0
93	0	106	0
157	0	129	0
0	0	0	0
748	0	275	
PM	NOON	AM	

CONTROL

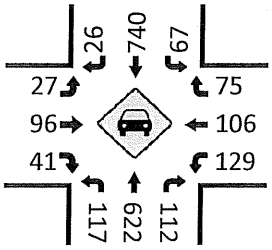
0

TEV	2158 AM	0 NOON	3250 PM
PHF	0.82		0.98

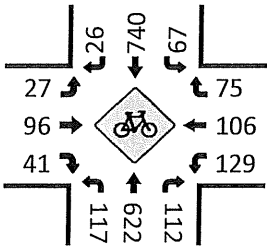
S Blosser Rd — NORTHBOUND

PM	1034	0	46	948	144	PM
NOON	0	0	0	0	0	NOON
AM	910	0	117	622	112	AM

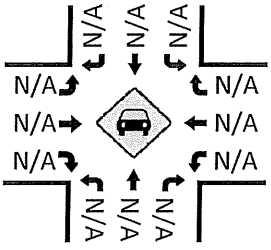
Total Vehicles (AM)



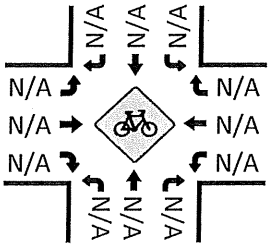
(AM)



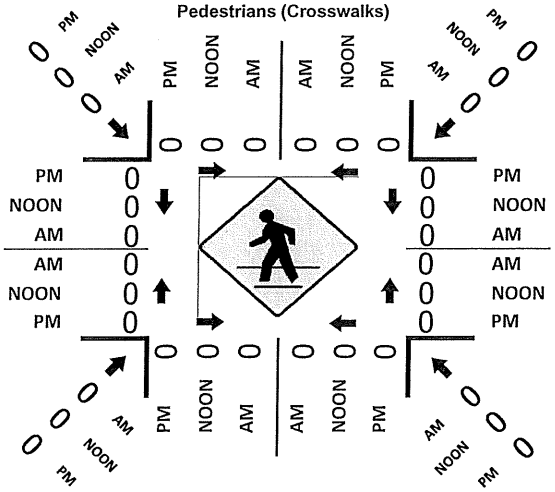
Total Vehicles (Noon)



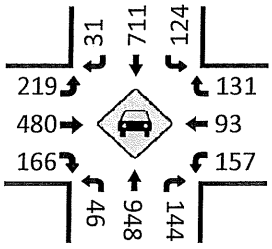
(NOON)



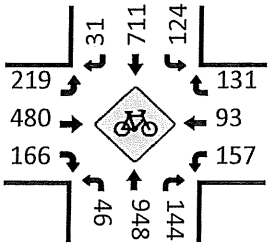
Pedestrians (Crosswalks)



Total Vehicles (PM)



(PM)



Prepared by National Data & Surveying Services

Western Ave & Stowell Rd

Peak Hour Turning Movement Count

ID: 19-02018-003
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	10:00 AM - 11:00 AM
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	10:00 AM - 10:00 AM
PM	04:00 PM - 06:00 PM

SOUTHBOUND — Western Ave

AM	85	0	198	0	155	AM
NOON	0	0	0	0	0	NOON
PM	84	0	205	0	340	PM

0 1 0 0

EASTBOUND — Stowell Rd

AM	NOON	PM	
337	0	365	
0	0	1	0
40	0	80	1
248	0	410	2
0	0	0	0
AM	NOON	PM	

WESTBOUND — Stowell Rd

PM	NOON	AM	
260	0	115	0
280	0	252	2
0	0	0	0
0	0	0	0
615	0	446	
PM	NOON	AM	

CONTROL

3-Way Stop(SB/EB/WB)

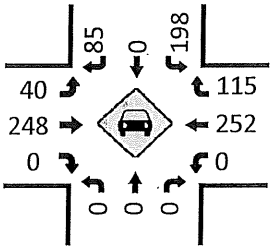
TEV	938 AM	0 NOON	1320 PM
PHF	0.80		0.93

0 0 0 0

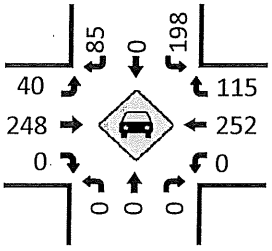
NORTHBOUND — Western Ave

PM	0	0	0	0	PM
NOON	0	0	0	0	NOON
AM	0	0	0	0	AM

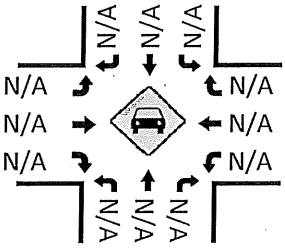
Total Vehicles (AM)



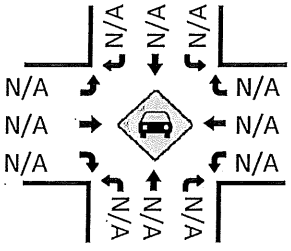
Total Vehicles (AM)



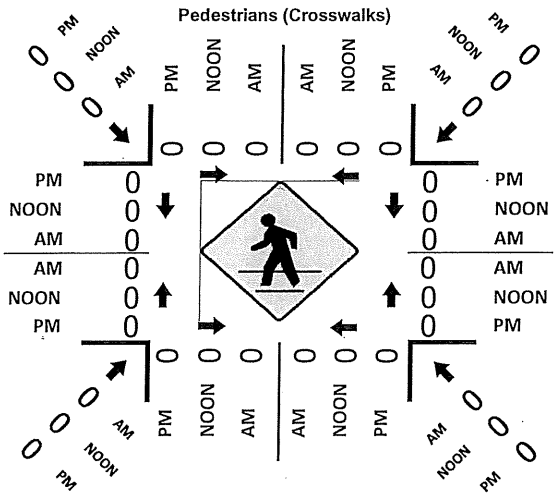
Total Vehicles (Noon)



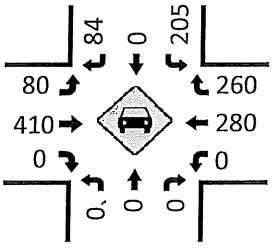
Total Vehicles (Noon)



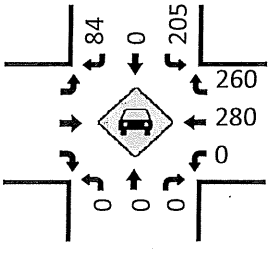
Pedestrians (Crosswalks)



Total Vehicles (PM)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

S Depot St & Stowell Rd

Peak Hour Turning Movement Count

ID: 19-02018-004
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

S Depot St — SOUTHBOUND

AM	8	152	150	0	261	AM
NOON	0	0	0	0	0	NOON
PM	10	296	79	0	473	PM
	0	2	1	0		

Stowell Rd — EASTBOUND

AM	NOON	PM	
368	0	530	
0	0	0	0
7	0	18	1
337	0	345	2
103	0	223	0
AM	NOON	PM	

CONTROL

Signalized

TEV	1635 AM	0 NOON	2159 PM
PHF	0.84		0.98

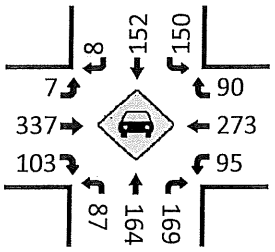
WESTBOUND — Stowell Rd

	PM	NOON	AM
0	133	0	90
2	350	0	273
1	109	0	95
0	0	0	0
	528	0	656
	PM	NOON	AM

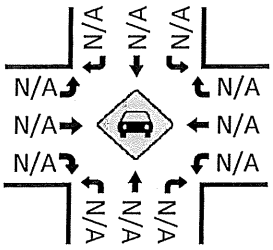
S Depot St — NORTHBOUND

	0	1	1	1		
PM	628	0	170	322	104	PM
NOON	0	0	0	0	0	NOON
AM	350	0	87	164	169	AM

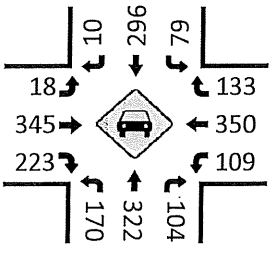
Total Vehicles (AM)



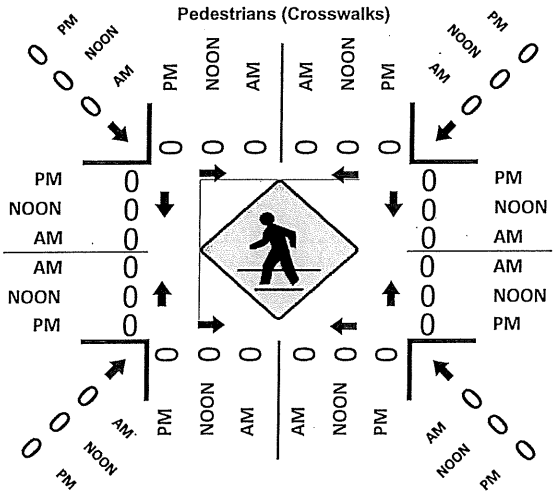
Total Vehicles (Noon)



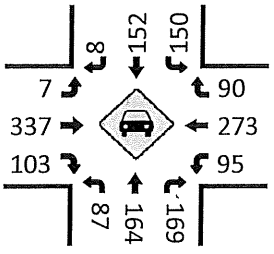
Total Vehicles (PM)



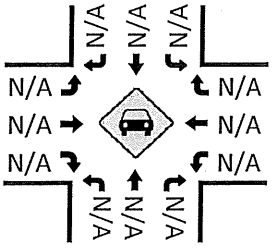
Pedestrians (Crosswalks)



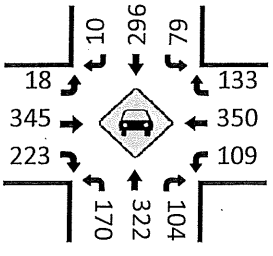
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Broadway & Stowell Rd

Peak Hour Turning Movement Count

ID: 19-02018-005
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:30 PM - 05:30 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

SOUTHBOUND (Broadway)

AM	83	608	92	0	692	AM
NOON	0	0	0	0	0	NOON
PM	56	915	97	0	1251	PM
	0	2	1	0		

EASTBOUND (Stowell Rd)

AM	NOON	PM	
484	0	678	
0	0	0	0
89	0	136	1
380	0	436	2
69	0	94	0
AM	NOON	PM	

WESTBOUND (Stowell Rd)

PM	NOON	AM	
134	0	66	0
468	0	318	2
140	0	102	1
0	0	0	0
781	0	612	
PM	NOON	AM	

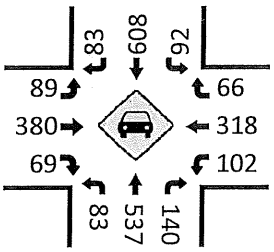
CONTROL: Signalized

TEV	2577 AM	0 NOON	3880 PM
PHF	0.89		0.96

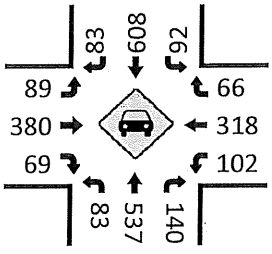
NORTHBOUND (Broadway)

	0	1	2	1		
PM	1170	21	154	981	248	PM
NOON	0	0	0	0	0	NOON
AM	789	10	83	537	140	AM

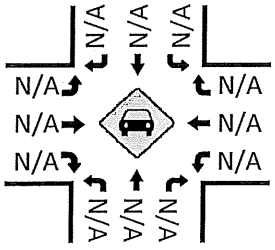
Total Vehicles (AM)



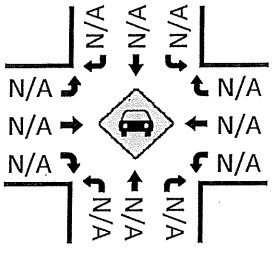
Total Vehicles (AM)



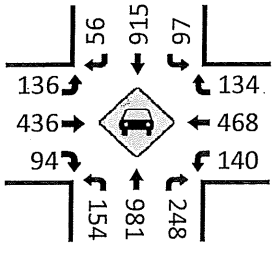
Total Vehicles (Noon)



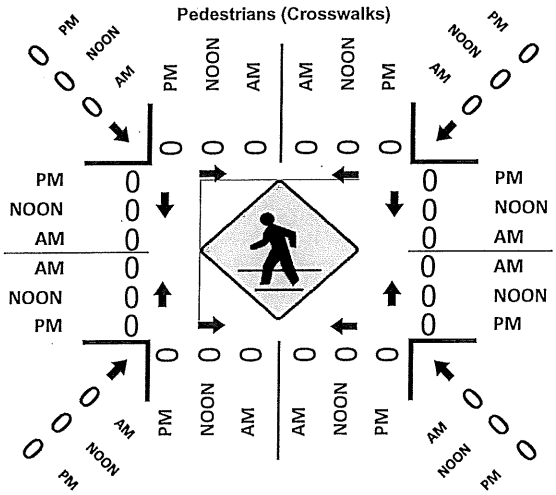
Total Vehicles (Noon)



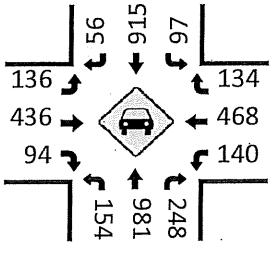
Total Vehicles (PM)



Pedestrians (Crosswalks)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Miller St & Stowell Rd

Peak Hour Turning Movement Count

ID: 19-02018-006
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:30 PM - 05:30 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

SOUTHBOUND — Miller St

AM	63	286	38	0	360	AM
NOON	0	0	0	0	0	NOON
PM	55	582	104	0	670	PM
	0	2	1	0		

EASTBOUND — Stowell Rd

AM	NOON	PM	
471	0	722	
0	0	0	0
68	0	138	1
475	0	553	2
54	0	68	0
AM	NOON	PM	

WESTBOUND — Stowell Rd

	PM	NOON	AM
0	64	0	48
2	611	0	380
1	167	0	127
0	0	0	0
	866	0	678
	PM	NOON	AM

CONTROL

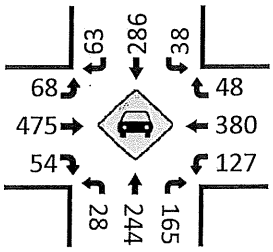
Signalized

TEV	1976 AM	0 NOON	3075 PM
PHF	0.86		0.96

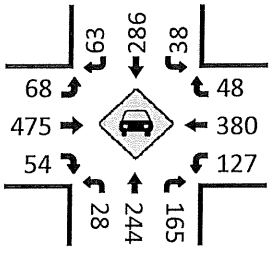
NORTHBOUND — Miller St

	0	1	1	1		
PM	817	0	56	468	209	PM
NOON	0	0	0	0	0	NOON
AM	467	0	28	244	165	AM

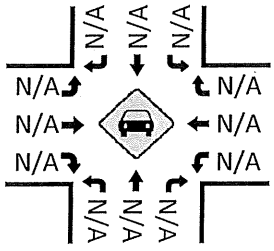
Total Vehicles (AM)



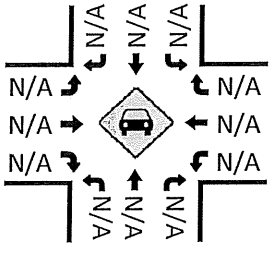
Total Vehicles (AM)



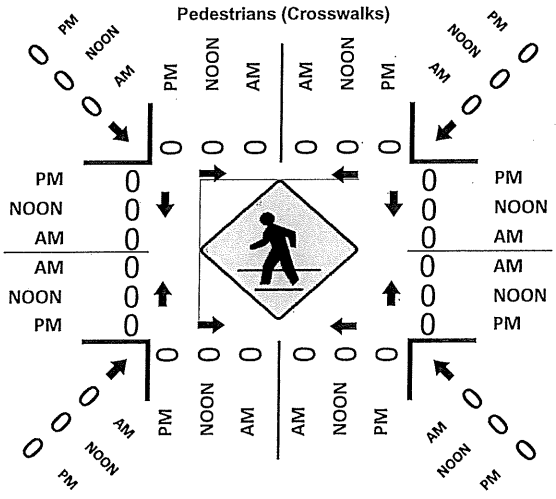
Total Vehicles (Noon)



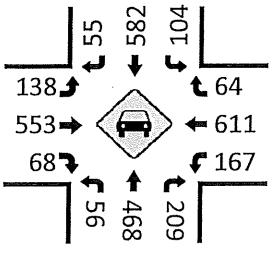
Total Vehicles (Noon)



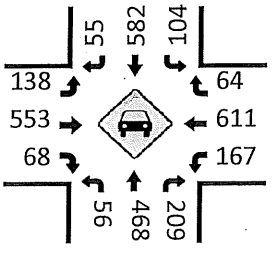
Pedestrians (Crosswalks)



Total Vehicles (PM)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Bradley Rd & Stowell Rd

Peak Hour Turning Movement Count

ID: 19-02018-007
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM	07:30 AM - 08:30 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

SOUTHBOUND — Bradley Rd

AM	116	218	58	0	595	AM
NOON	0	0	0	0	0	NOON
PM	160	482	133	0	526	PM

0 2 1 0

EASTBOUND — Stowell Rd

AM	NOON	PM	
733	0	857	
0	0	0	0
116	0	177	1
398	0	544	2
131	0	297	1
AM	NOON	PM	

WESTBOUND — Stowell Rd

PM	NOON	AM	
125	0	259	0
398	0	322	2
58	0	34	1
0	0	0	0
1052	0	639	
PM	NOON	AM	

CONTROL

Signalized

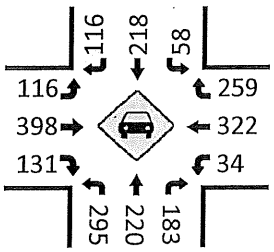
TEV	2350 AM	0 NOON	3272 PM
PHF	0.77		0.98

0 2 1 1

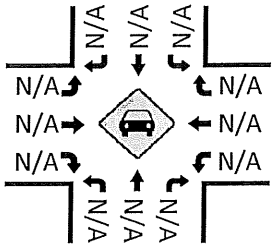
NORTHBOUND — Bradley Rd

PM	837	0	299	224	375	PM
NOON	0	0	0	0	0	NOON
AM	383	0	295	220	183	AM

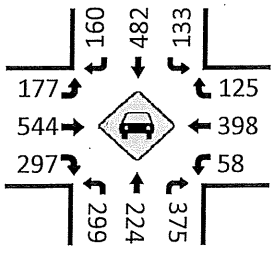
Total Vehicles (AM)



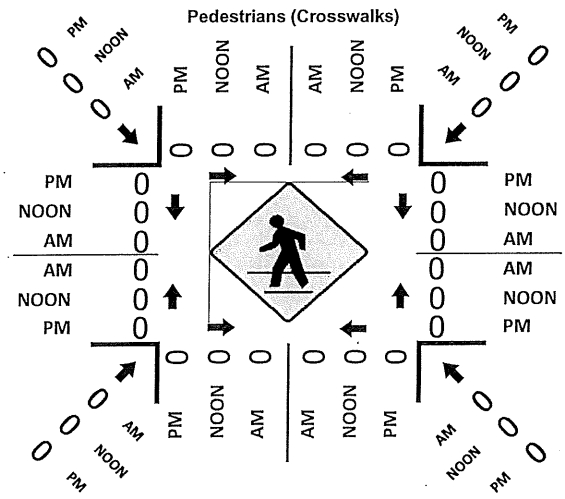
Total Vehicles (Noon)



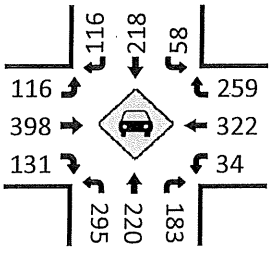
Total Vehicles (PM)



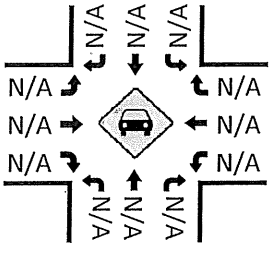
Pedestrians (Crosswalks)



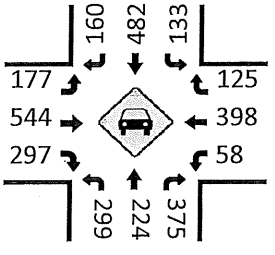
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

US 101 NB Ramps/Nicholson Ave & Stowell Rd

Peak Hour Turning Movement Count

ID: 19-02018-008
City: Santa Maria

Day: Thursday
Date: 03/28/2019

US 101 NB Ramps/Nicholson Ave — SOUTHBOUND

PEAK HOURS		COUNT PERIODS
07:30 AM - 08:30 AM		07:00 AM - 09:00 AM
NONE		NONE
04:30 PM - 05:30 PM		04:00 PM - 06:00 PM

AM	580	1	1	0	590	AM
NOON	0	0	0	0	0	NOON
PM	472	5	1	0	1016	PM
	0	2	1	0		

Stowell Rd — EASTBOUND

AM	NOON	PM	
614	0	575	
0	0	0	0
581	0	994	1
50	0	41	2
8	0	18	1
AM	NOON	PM	

CONTROL

Signalized

TEV	1268 AM	0 NOON	1658 PM
PHF	0.79		0.95

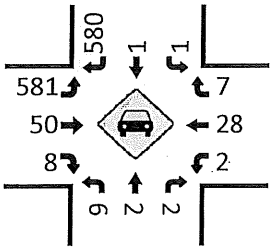
WESTBOUND — Stowell Rd

	PM	NOON	AM
0	21	0	7
2	93	0	28
1	2	0	2
0	0	0	0
	42	0	53
	PM	NOON	AM

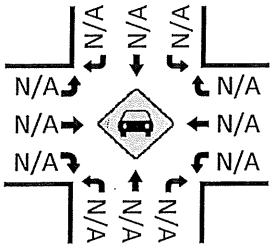
NORTHBOUND — US 101 NB Ramps/Nicholson Ave

	0	2	1	1		
PM	25	0	10	1	0	PM
NOON	0	0	0	0	0	NOON
AM	11	0	6	2	2	AM

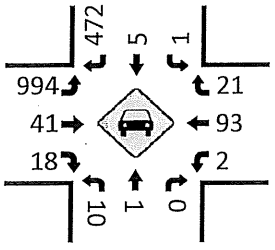
Total Vehicles (AM)



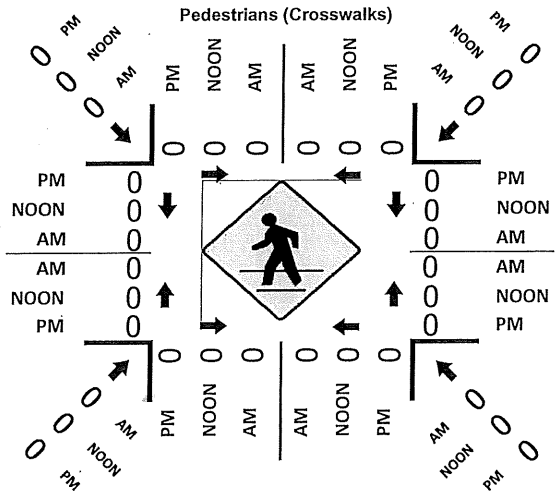
Total Vehicles (Noon)



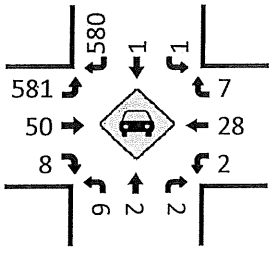
Total Vehicles (PM)



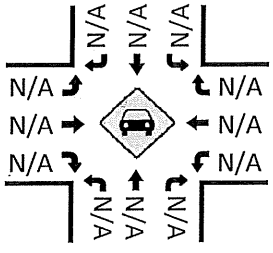
Pedestrians (Crosswalks)



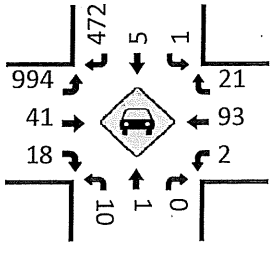
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Blosser Rd & La Brea Ave

Peak Hour Turning Movement Count

ID: 19-02018-002
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

Blosser Rd

SOUTHBOUND

AM	88	873	0	0	912	AM
NOON	0	0	0	0	0	NOON
PM	69	929	0	0	1148	PM

0 2 0 0

EASTBOUND (La Brea Ave)

AM	NOON	PM	
118	0	81	
0	0	0	0
91	0	212	0
0	0	0	1
17	0	38	1
AM	NOON	PM	

WESTBOUND (La Brea Ave)

PM	NOON	AM	
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	
PM	NOON	AM	

CONTROL

Signalized

TEV	1920 AM	0 NOON	2196 PM
PHF	0.80		0.94

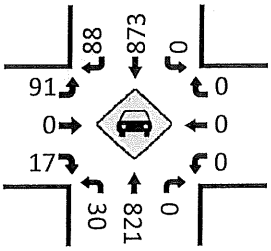
0 1 2 0

PM	967	0	12	936	0 PM
NOON	0	0	0	0	0 NOON
AM	890	0	30	821	0 AM

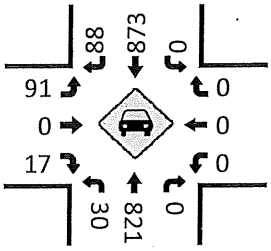
NORTHBOUND

Blosser Rd

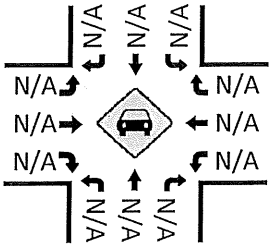
Total Vehicles (AM)



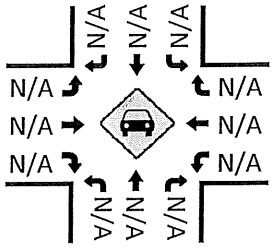
Total Vehicles (AM)



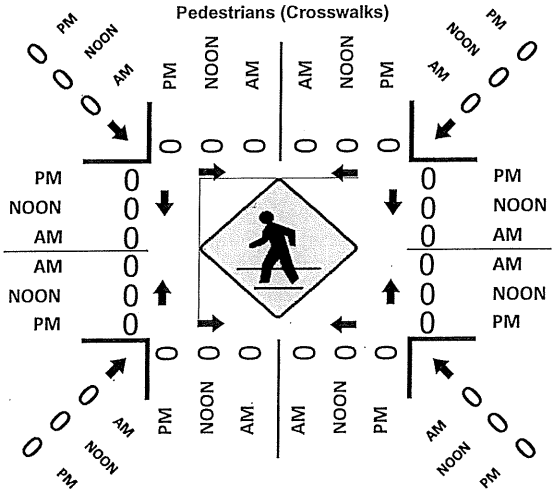
Total Vehicles (Noon)



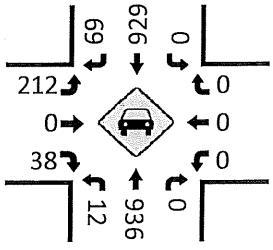
Total Vehicles (Noon)



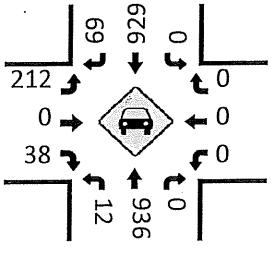
Pedestrians (Crosswalks)



Total Vehicles (PM)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Bradley Rd & US 101 SB ramps

Peak Hour Turning Movement Count

ID: 19-02018-009
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 04:30 PM - 05:30 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Bradley Rd

SOUTHBOUND

AM	33	167	180	0	706	AM
NOON	0	0	0	0	0	NOON
PM	44	419	370	0	899	PM
	1	2	1	0		

US 101 SB ramps — EASTBOUND

AM	NOON	PM		
110	0	175		
0	0	0	0	
34	0	71	1	
27	0	69	1.5	
20	0	50	0.5	
AM	NOON	PM		

CONTROL

Signalized

TEV	1548 AM	0 NOON	2498 PM
PHF	0.79		0.97

WESTBOUND — US 101 SB ramps

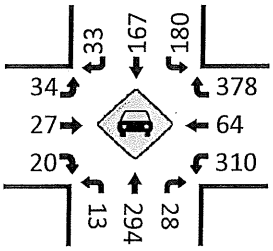
	PM	NOON	AM
1	248	0	378
1	73	0	64
1	411	0	310
0	1	0	0
	544	0	235
	PM	NOON	AM

	0	1	2	0		
PM	880	0	58	580	104	PM
NOON	0	0	0	0	0	NOON
AM	497	0	13	294	28	AM

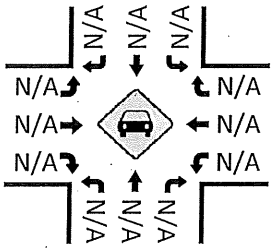
NORTHBOUND

Bradley Rd

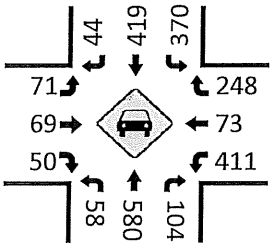
Total Vehicles (AM)



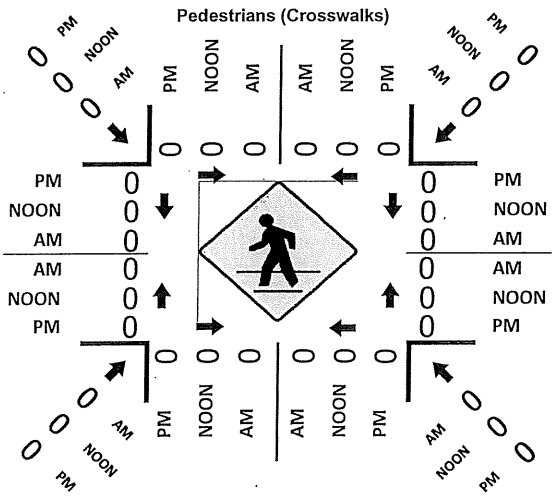
Total Vehicles (Noon)



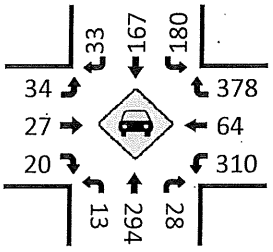
Total Vehicles (PM)



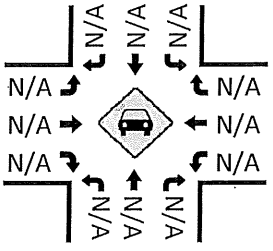
Pedestrians (Crosswalks)



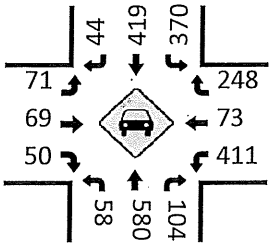
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

S Blosser Rd & W Battles Rd

Peak Hour Turning Movement Count

ID: 18-02092-002
City: Santa Maria

Day: Thursday
Date: 09/06/2018

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

S Blosser Rd — SOUTHBOUND

AM	143	630	55	0	797	AM
NOON	0	0	0	0	0	NOON
PM	151	611	188	0	981	PM

W Battles Rd — EASTBOUND

AM	NOON	PM	
328	0	445	⇦
0	0	0	↶ 0
168	0	190	↱ 0
267	0	266	→ 0
54	0	31	↴ 0

W Battles Rd — WESTBOUND

PM	NOON	AM	
86	0	100	0 ↰
232	0	147	0 ←
139	0	96	0 ↰
0	0	0	0 ↶
617	0	422	⇨

CONTROL

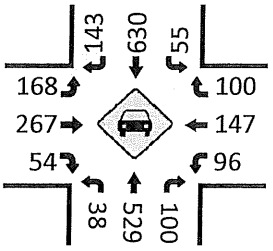
0

TEV	2340 AM	0 NOON	2851 PM
PHF	0.77		0.96

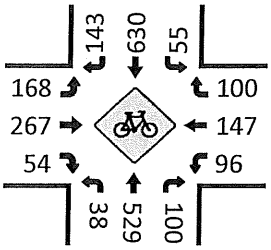
S Blosser Rd — NORTHBOUND

PM	808	27	62	705	163	PM
NOON	0	0	0	0	0	NOON
AM	793	13	38	529	100	AM

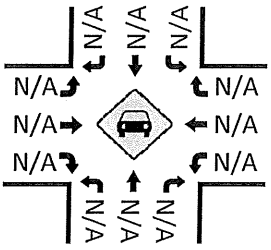
Total Vehicles (AM)



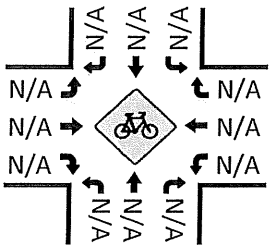
(AM)



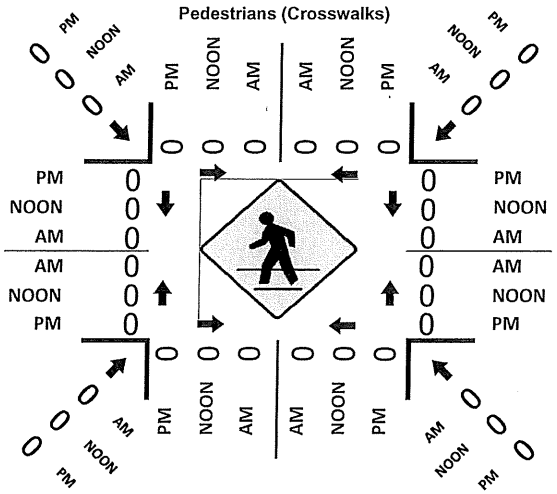
Total Vehicles (Noon)



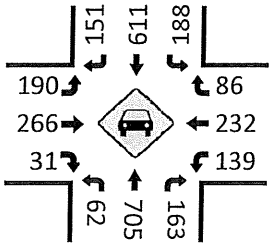
(NOON)



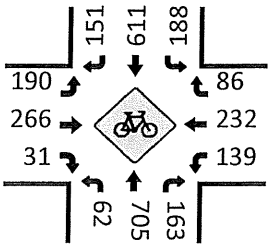
Pedestrians (Crosswalks)



Total Vehicles (PM)



(PM)



Prepared by National Data & Surveying Services

Western Ave & Battles Rd

Peak Hour Turning Movement Count

ID: 19-02018-011
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	NONE
PM	05:00 PM - 06:00 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

Western Ave

SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	0	PM

0 2 1 0

EASTBOUND (Battles Rd)

AM	NOON	PM	
417	0	486	
0	0	0	0
0	0	0	1
597	0	527	2
6	0	12	0
AM	NOON	PM	

WESTBOUND (Battles Rd)

PM	NOON	AM	
0	0	0	0.5
480	0	403	1.5
169	0	189	1
1	0	0	0
664	0	805	
PM	NOON	AM	

CONTROL

Signalized

TEV	1417 AM	0 NOON	1331 PM
PHF	0.80		0.96

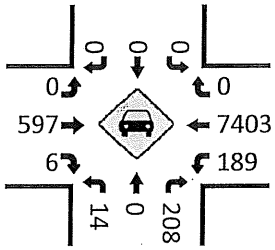
0 1 2 0

NORTHBOUND

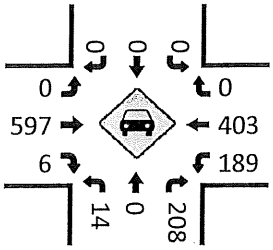
PM	181	0	6	0	136	PM
NOON	0	0	0	0	0	NOON
AM	195	0	14	0	208	AM

Western Ave

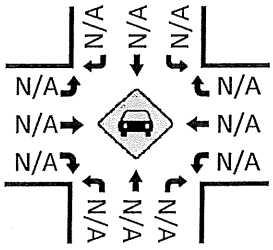
Total Vehicles (AM)



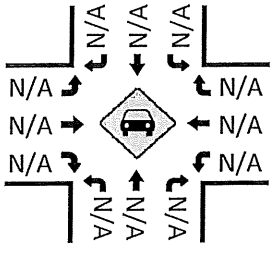
Total Vehicles (AM)



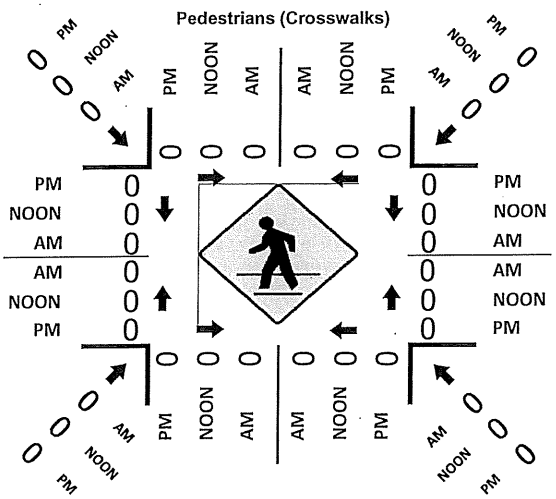
Total Vehicles (Noon)



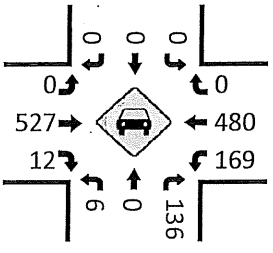
Total Vehicles (Noon)



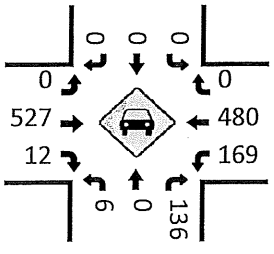
Pedestrians (Crosswalks)



Total Vehicles (PM)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Depot St & Battles Rd

Peak Hour Turning Movement Count

ID: 19-02018-012
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	NONE
PM	04:45 PM - 05:45 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

Depot St — SOUTHBOUND

AM	147	121	60	0	375	AM
NOON	0	0	0	0	0	NOON
PM	184	198	130	0	541	PM
	0	2	1	0		

Battles Rd — EASTBOUND

AM	NOON	PM	
587	0	644	
0	0	0	0
188	0	150	1
488	0	442	2
125	0	102	0
AM	NOON	PM	

CONTROL

Signalized

TEV	1786 AM	0 NOON	2099 PM
PHF	0.83		0.97

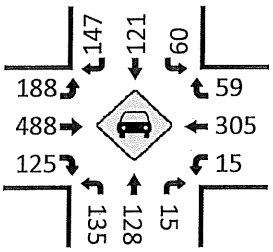
Battles Rd — WESTBOUND

	PM	NOON	AM
0.5	178	0	59
1.5	366	0	305
1	21	0	15
0	0	0	0
	593	0	563
	PM	NOON	AM

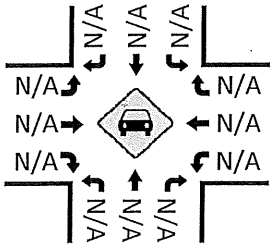
Depot St — NORTHBOUND

PM	321	0	94	213	21	PM
NOON	0	0	0	0	0	NOON
AM	261	0	135	128	15	AM
		0	1	2	0	

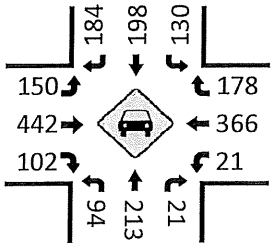
Total Vehicles (AM)



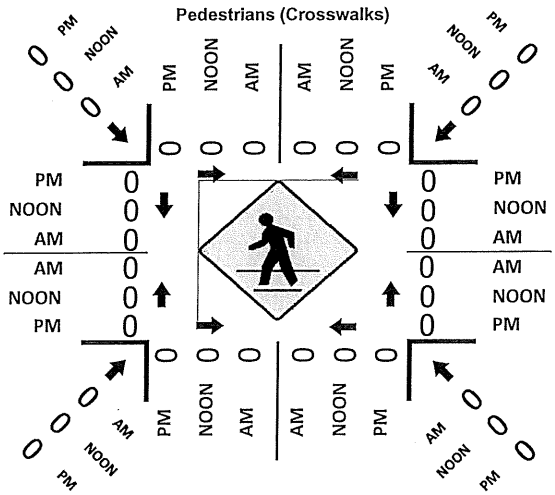
Total Vehicles (Noon)



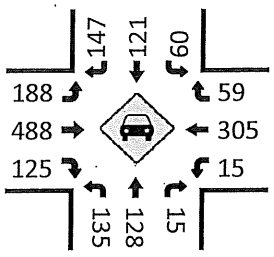
Total Vehicles (PM)



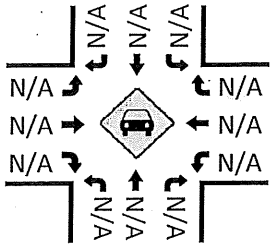
Pedestrians (Crosswalks)



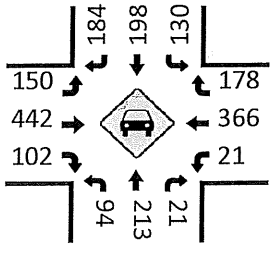
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Thornburg St South Leg & Battles Rd

Peak Hour Turning Movement Count

ID: 19-02018-013
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

SOUTHBOUND — Thornburg St South Leg

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	0	PM
	0	1	0	0		

EASTBOUND — Battles Rd

AM	NOON	PM	
384	0	616	
0	0	0	0
0	0	0	0
505	0	476	2
55	0	91	0
AM	NOON	PM	

WESTBOUND — Battles Rd

PM	NOON	AM	
0	0	0	0
474	0	294	2
153	0	75	0
0	0	0	0
626	0	612	
PM	NOON	AM	

CONTROL

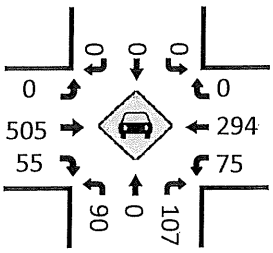
1-Way Stop(SB)

TEV	1126 AM	0 NOON	1486 PM
PHF	0.85		0.97

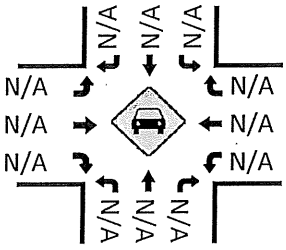
NORTHBOUND — Thornburg St South Leg

	0	0	0	0		
PM	244	0	142	0	150	PM
NOON	0	0	0	0	0	NOON
AM	130	0	90	0	107	AM

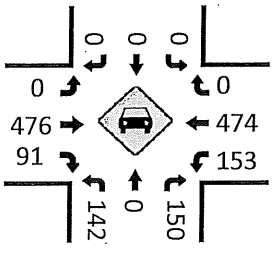
Total Vehicles (AM)



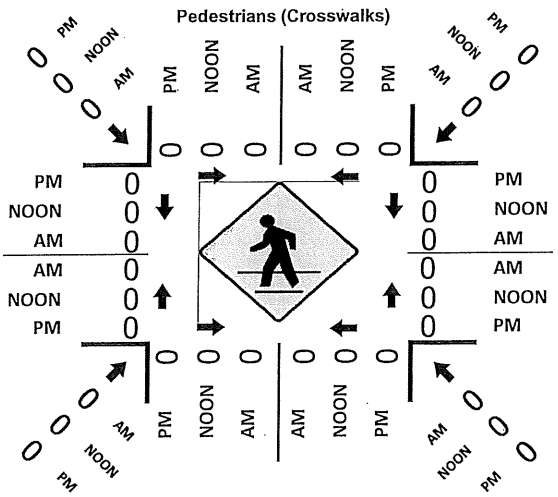
Total Vehicles (NOON)



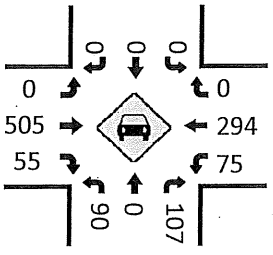
Total Vehicles (PM)



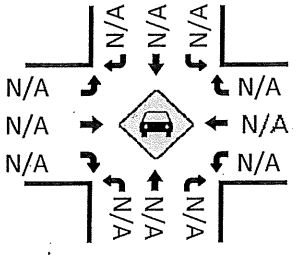
Pedestrians (Crosswalks)



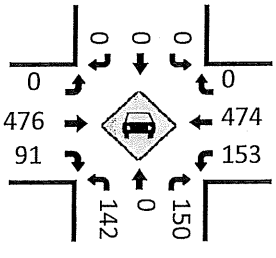
Total Vehicles (AM)



Total Vehicles (NOON)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Broadway & Battles Rd

Peak Hour Turning Movement Count

ID: 19-02018-014
City: Santa Maria

Day: Thursday
Date: 03/28/2019

Broadway

SOUTHBOUND

PEAK HOURS								COUNT PERIODS
07:30 AM - 08:30 AM	AM	79	590	47	1	824	AM	07:00 AM - 09:00 AM
NONE	NOON	0	0	0	0	0	NOON	NONE
04:30 PM - 05:30 PM	PM	129	919	87	12	1364	PM	04:00 PM - 06:00 PM

EASTBOUND (Battles Rd)

AM	NOON	PM		
364	0	727	⇦	
0	0	0	↶	0
157	0	152	↱	1
394	0	351	→	2
72	0	102	↴	0
AM	NOON	PM		

WESTBOUND (Battles Rd)

PM	NOON	AM		
				0
82	0	42	↰	0
448	0	235	←	2
170	0	83	↰	1
0	0	0	↶	0
569	0	485	⇨	
PM	NOON	AM		

0 3 1 0 — 0 1 3 0

CONTROL: Signalized

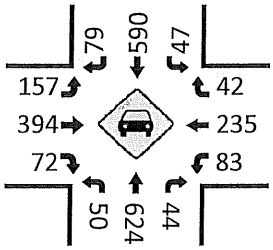
TEV	2421 AM	0 NOON	3854 PM
PHF	0.86		0.95

PM	1194	3	150	1118	131	PM		
NOON	0	0	0	0	0	NOON		
AM	748	3	50	624	44	AM		

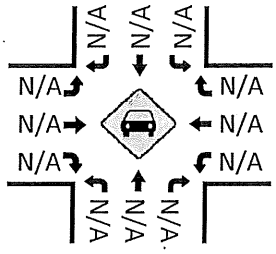
NORTHBOUND

Broadway

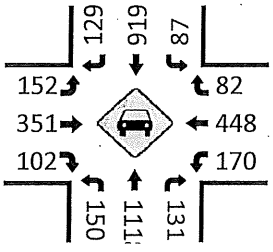
Total Vehicles (AM)



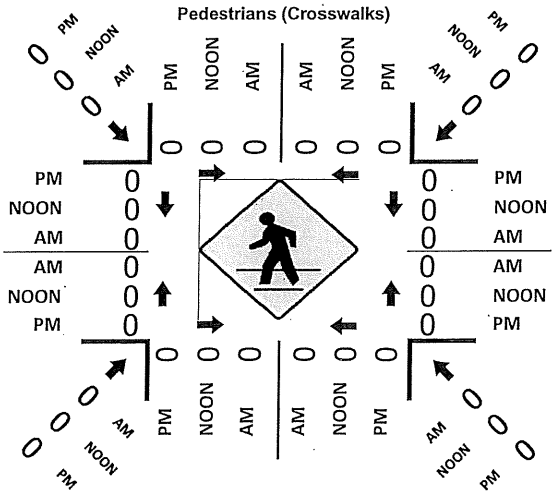
Total Vehicles (Noon)



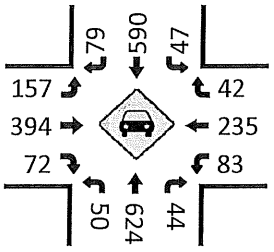
Total Vehicles (PM)



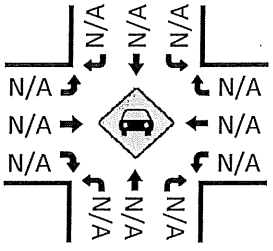
Pedestrians (Crosswalks)



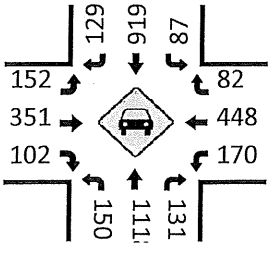
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Miller St & Battles Rd

Peak Hour Turning Movement Count

ID: 19-02018-015
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

SOUTHBOUND — Miller St

AM	61	296	29	1	417	AM
NOON	0	0	0	0	0	NOON
PM	125	613	66	0	631	PM

EASTBOUND — Battles Rd

AM	NOON	PM	
415	0	752	⇦
0	0	0	↶ 0
58	0	96	↰ 1
396	0	346	→ 2
23	0	87	↷ 0
AM	NOON	PM	

WESTBOUND — Battles Rd

PM	NOON	AM	
52	0	44	0 ↶
545	0	325	2 ←
122	0	113	1 ↙
0	0	0	0 ↙
503	0	508	⇨
PM	NOON	AM	

NORTHBOUND — Miller St

PM	822	0	82	483	91	PM
NOON	0	0	0	0	0	NOON
AM	432	0	29	314	83	AM

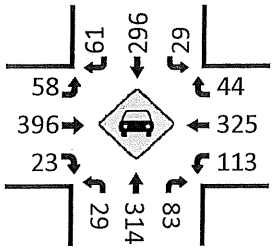
⇩ 0 ↶ 0 ↖ 1 ↑ 2 ↗ 0

CONTROL

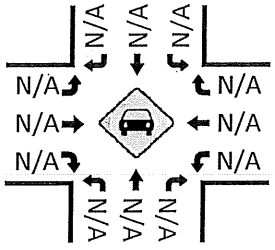
Signalized

TEV	1772 AM	0 NOON	2708 PM
PHF	0.74		0.92

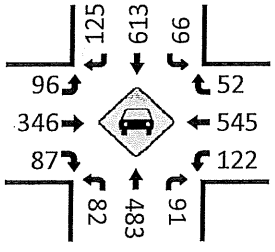
Total Vehicles (AM)



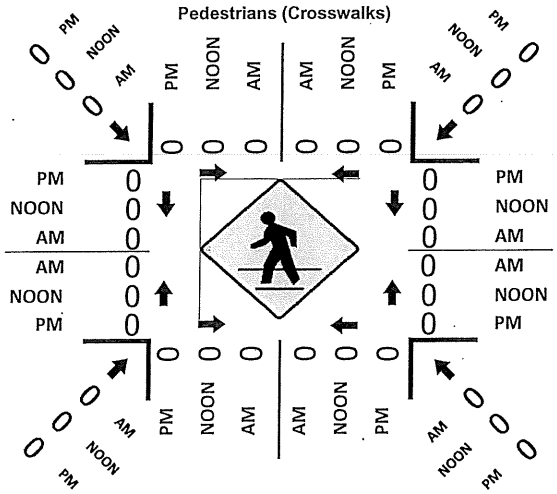
Total Vehicles (Noon)



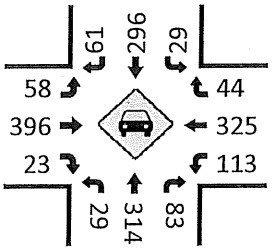
Total Vehicles (PM)



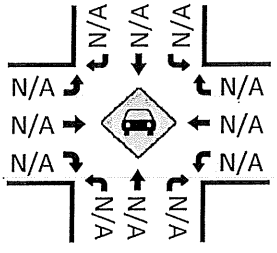
Pedestrians (Crosswalks)



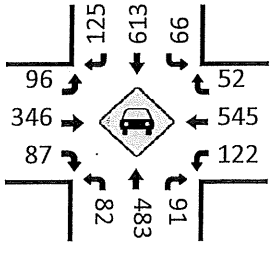
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Blosser Rd & Sonya Ln

Peak Hour Turning Movement Count

ID: 19-02018-010
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 04:30 PM - 05:30 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Blosser Rd

SOUTHBOUND

AM	112	729	66	1	698	AM
NOON	0	0	0	0	0	NOON
PM	127	651	49	0	967	PM

0 2 1 0

EASTBOUND (Sonya Ln)

AM	NOON	PM	
187	0	239	
1	0	0	0
36	0	40	1
12	0	16	2
93	0	62	0
AM	NOON	PM	

WESTBOUND (Sonya Ln)

PM	NOON	AM	
26	0	66	0.5
4	0	7	1.5
12	0	24	1
0	0	0	0
167	0	118	
PM	NOON	AM	

CONTROL

Signalized

TEV	1849	0	2098
	AM	NOON	PM
PHF	0.78		0.95

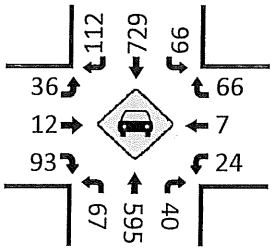
0 1 2 0

PM	725	0	108	901	102	PM
NOON	0	0	0	0	0	NOON
AM	846	0	67	595	40	AM

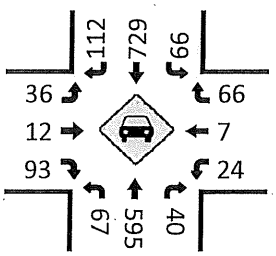
NORTHBOUND

Blosser Rd

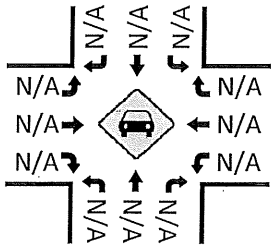
Total Vehicles (AM)



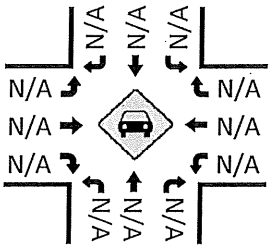
Total Vehicles (AM)



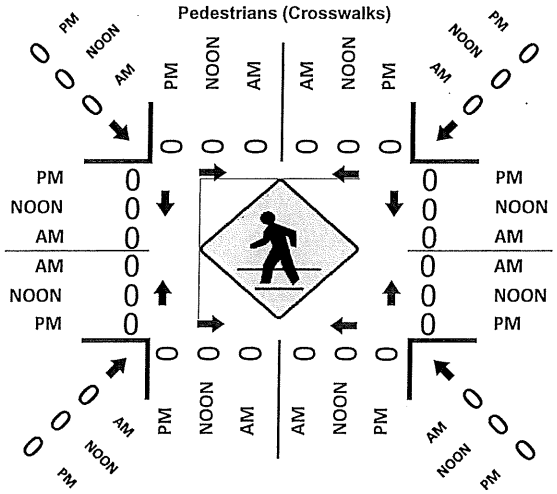
Total Vehicles (Noon)



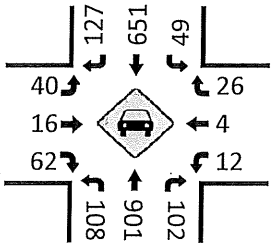
Total Vehicles (Noon)



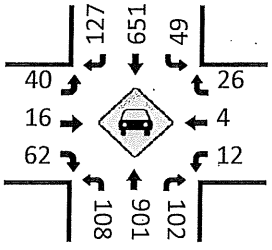
Pedestrians (Crosswalks)



Total Vehicles (PM)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

S Blosser Rd & Carmen Ln

Peak Hour Turning Movement Count

ID: 18-02092-003
City: Santa Maria

Day: Thursday
Date: 09/06/2018

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 04:15 PM - 05:15 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

S Blosser Rd — SOUTHBOUND

AM	30	727	20	0	671	AM
NOON	0	0	0	0	0	NOON
PM	80	629	6	0	1111	PM

0 0 0 0

Carmen Ln — EASTBOUND

AM	NOON	PM		
98	0	196	⇦	
0	0	0	↶	0
73	0	58	↱	0
22	0	7	→	0
121	0	74	↳	0
AM	NOON	PM		

CONTROL

0

TEV	1949 AM	0 NOON	2163 PM
PHF	0.84		0.95

WESTBOUND — Carmen Ln

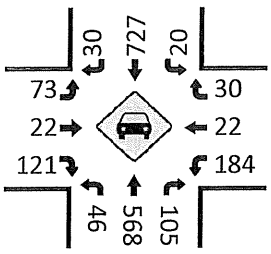
	PM	NOON	AM	
0	↰	3	0	30
0	←	7	0	22
0	↰	59	0	184
0	↶	0	0	0
⇨		91	0	147
		PM	NOON	AM

0 0 0 0

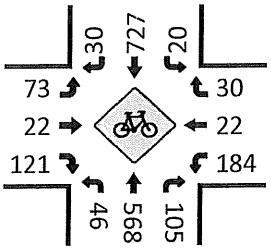
NORTHBOUND — S Blosser Rd

PM	765	3	109	1050	78	PM
NOON	0	0	0	0	0	NOON
AM	1033	1	46	568	105	AM

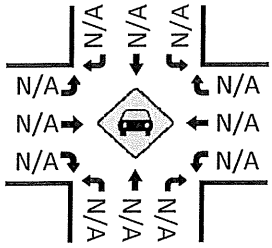
Total Vehicles (AM)



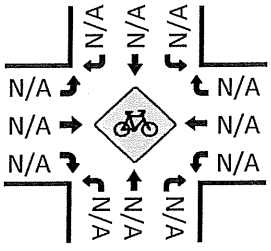
(AM)



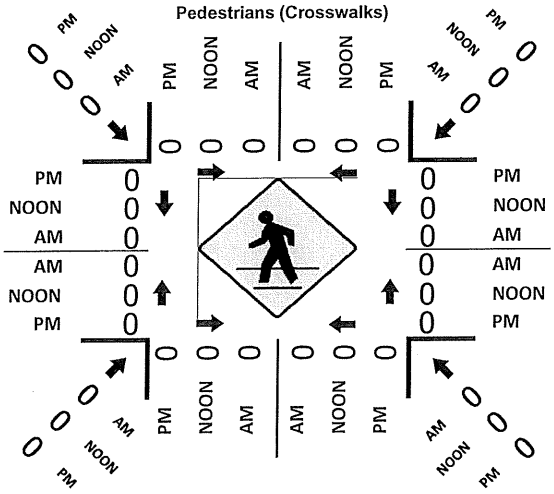
Total Vehicles (Noon)



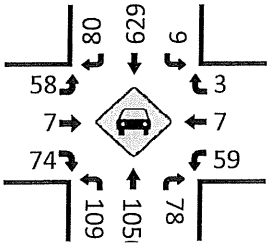
(NOON)



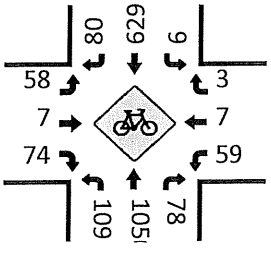
Pedestrians (Crosswalks)



Total Vehicles (PM)



(PM)



Prepared by National Data & Surveying Services

S Blosser Rd/Skyway Dr & W Betteravia Rd

Peak Hour Turning Movement Count

ID: 18-02092-004
City: Santa Maria

Day: Thursday
Date: 09/06/2018

S Blosser Rd/Skyway Dr — SOUTHBOUND

AM	89	687	207	2	839	AM
NOON	0	0	0	0	0	NOON
PM	60	556	216	7	1169	PM
	0	0	0	0		

PEAK HOURS		COUNT PERIODS
07:15 AM - 08:15 AM	AM	07:00 AM - 09:00 AM
NONE	NOON	NONE
04:30 PM - 05:30 PM	PM	04:00 PM - 06:00 PM

W Betteravia Rd — EASTBOUND

AM	NOON	PM	
424	0	462	
0	0	0	0
67	0	198	0
322	0	496	0
48	0	69	0
AM	NOON	PM	

W Betteravia Rd — WESTBOUND

	PM	NOON	AM
0	233	0	200
0	315	0	266
0	73	0	101
0	29	0	15
	889	0	617
	PM	NOON	AM

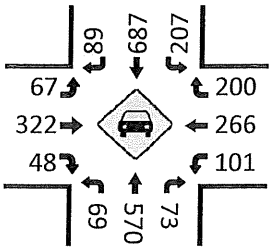
CONTROL

	0		
TEV	2733	0	3224
	AM	NOON	PM
PHF	0.85		0.96

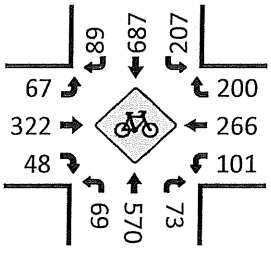
S Blosser Rd/Skyway Dr — NORTHBOUND

	0	0	0	0		
PM	704	6	87	731	148	PM
NOON	0	0	0	0	0	NOON
AM	853	17	69	570	73	AM

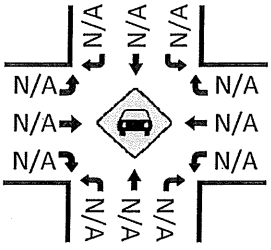
Total Vehicles (AM)



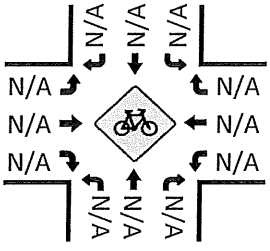
(AM)



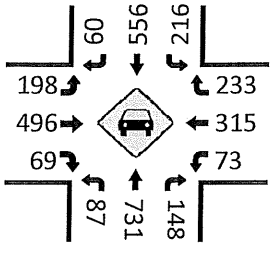
Total Vehicles (Noon)



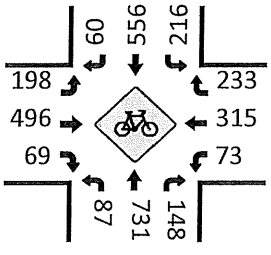
(NOON)



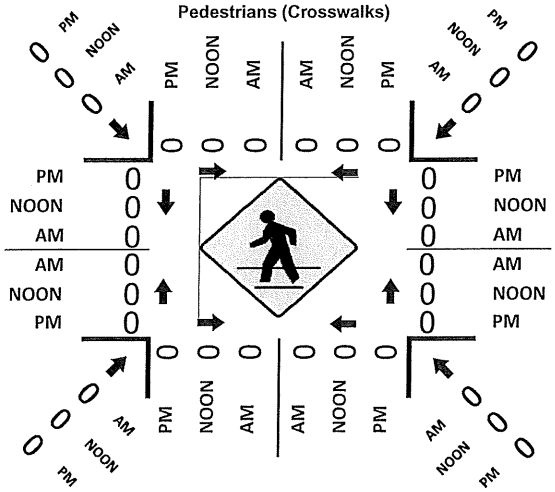
Total Vehicles (PM)



(PM)



Pedestrians (Crosswalks)



Prepared by National Data & Surveying Services

Broadway & Betteravia Rd

Peak Hour Turning Movement Count

ID: 19-02018-016
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:30 PM - 05:30 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Broadway — SOUTHBOUND

AM	84	465	139	14	919	AM
NOON	0	0	0	0	0	NOON
PM	67	773	291	20	1501	PM
	0	3	2	0		

Betteravia Rd — EASTBOUND

AM	NOON	PM	
767	0	699	
0	0	0	0
75	0	204	1
470	0	612	2
85	0	124	1
AM	NOON	PM	

CONTROL

Signalized

TEV	3114 AM	0 NOON	4560 PM
PHF	0.89		0.96

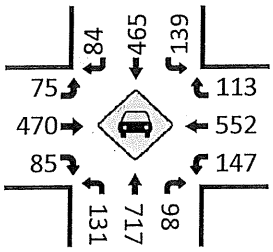
Betteravia Rd — WESTBOUND

PM	NOON	AM	
328	0	113	1
527	0	552	2
210	0	147	1
20	0	14	0
1217	0	721	
PM	NOON	AM	

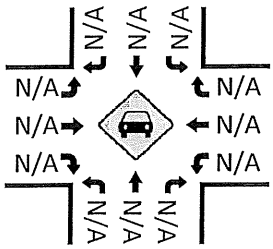
Broadway — NORTHBOUND

PM	1143	36	105	949	294	PM
NOON	0	0	0	0	0	NOON
AM	707	10	131	717	98	AM
		0	1	3	1	

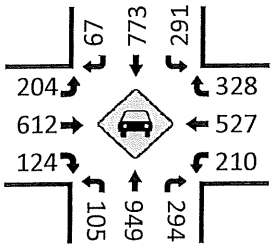
Total Vehicles (AM)



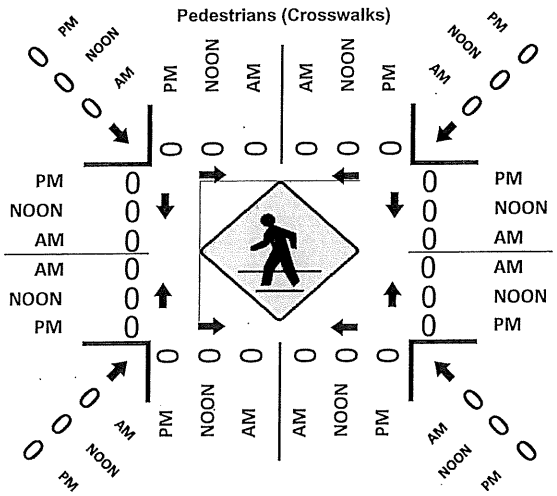
Total Vehicles (Noon)



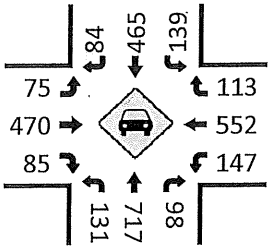
Total Vehicles (PM)



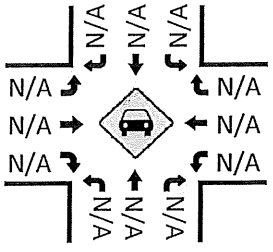
Pedestrians (Crosswalks)



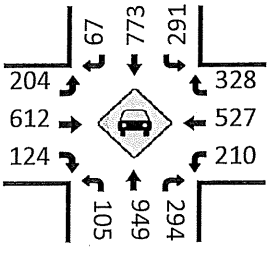
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Bradley Rd & Betteravia Rd

Peak Hour Turning Movement Count

ID: 19-02018-017
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS

AM: 07:45 AM - 08:45 AM
NOON: NONE
PM: 04:45 PM - 05:45 PM

COUNT PERIODS

AM: 07:00 AM - 09:00 AM
NOON: NONE
PM: 04:00 PM - 06:00 PM

Bradley Rd — SOUTHBOUND

AM	73	103	57	0	266	AM
NOON	0	0	0	0	0	NOON
PM	157	309	198	2	635	PM
	1	2	1	0		

Betteravia Rd — EASTBOUND

AM	NOON	PM	
1009	0	1307	
2	0	7	0
89	0	229	1
564	0	930	3
116	0	236	0
AM	NOON	PM	

Betteravia Rd — WESTBOUND

PM	NOON	AM	
195	0	81	1
879	0	821	3
423	0	290	2
53	0	30	0
1609	0	906	
PM	NOON	AM	

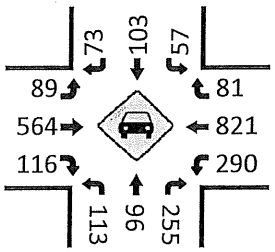
CONTROL: Signalized

TEV	2692 AM	0 NOON	4519 PM
PHF	0.93		0.97

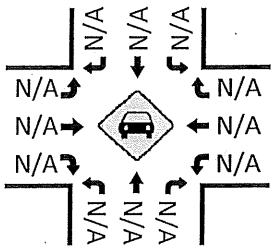
	0	2	1	1	
PM	968	0	264	209	428	PM
NOON	0	0	0	0	0	NOON
AM	511	2	113	96	255	AM

Bradley Rd — NORTHBOUND

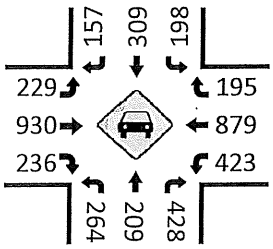
Total Vehicles (AM)



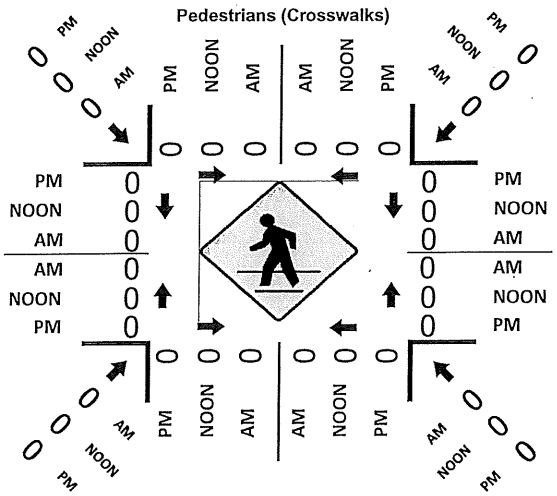
Total Vehicles (Noon)



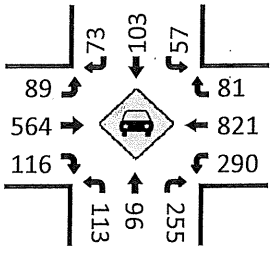
Total Vehicles (PM)



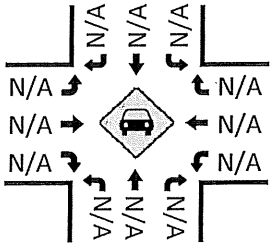
Pedestrians (Crosswalks)



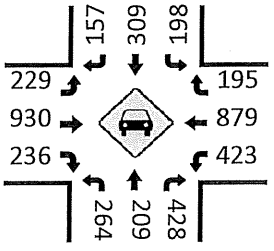
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

US 101 SB ramps & Betteravia Rd

Peak Hour Turning Movement Count

ID: 19-02018-018
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS
07:15 AM - 08:15 AM
NONE
04:30 PM - 05:30 PM

COUNT PERIODS
07:00 AM - 09:00 AM
NONE
04:00 PM - 06:00 PM

US 101 SB ramps — SOUTHBOUND

AM	993	0	131	0	0	AM
NOON	0	0	0	0	0	NOON
PM	826	5	71	0	0	PM

1 0.5 1.5 0

EASTBOUND — Betteravia Rd

AM	NOON	PM	
1308	0	1599	
0	0	0	0
0	0	0	0
710	0	1203	2
220	0	394	1
AM	NOON	PM	

CONTROL

Signalized

TEV	2403 AM	0 NOON	3338 PM
PHF	0.92		0.97

WESTBOUND — Betteravia Rd

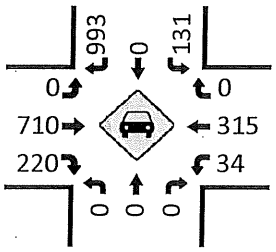
PM	NOON	AM	
0	0	0	0
773	0	315	2
66	0	34	1
0	0	0	0
1274	0	841	
PM	NOON	AM	

0 0 0 0

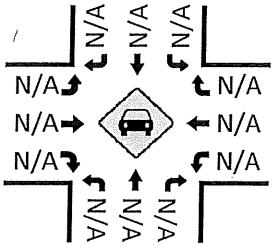
NORTHBOUND — US 101 SB ramps

PM	465	0	0	0	0	PM
NOON	0	0	0	0	0	NOON
AM	254	0	0	0	0	AM

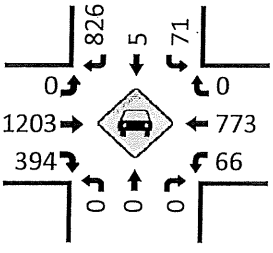
Total Vehicles (AM)



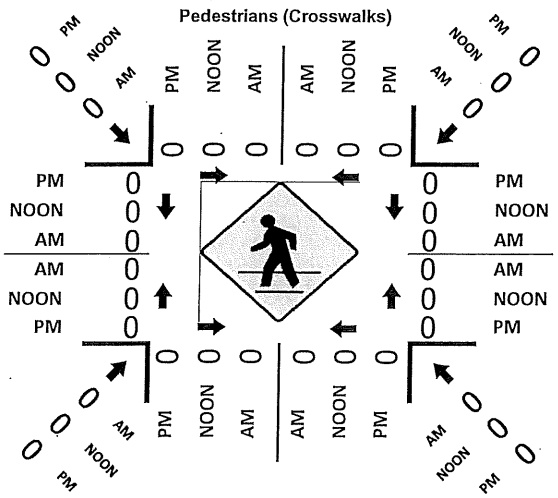
Total Vehicles (Noon)



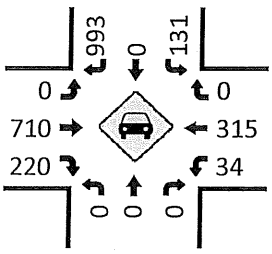
Total Vehicles (PM)



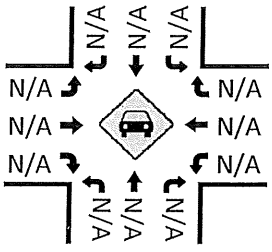
Pedestrians (Crosswalks)



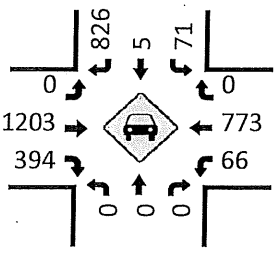
Total Vehicles (AM)



Total Vehicles (Noon)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

US 101 NB ramps & Betteravia Rd

Peak Hour Turning Movement Count

ID: 19-02018-019
City: Santa Maria

Day: Thursday
Date: 03/28/2019

PEAK HOURS		COUNT PERIODS
07:45 AM - 08:45 AM	AM	07:00 AM - 09:00 AM
NONE	NOON	NONE
04:30 PM - 05:30 PM	PM	04:00 PM - 06:00 PM

US 101 NB ramps — SOUTHBOUND

AM	0	0	0	0	681	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	1351	PM
	0	0	0	0		

Betteravia Rd — EASTBOUND

AM	NOON	PM	
399	0	841	
0	0	0	0
570	0	1064	2
276	0	211	2
0	0	0	0
AM	NOON	PM	

Betteravia Rd — WESTBOUND

	PM	NOON	AM
1	287	0	111
2	415	0	169
0	0	0	0
0	0	0	0
	259	0	350
	PM	NOON	AM

CONTROL

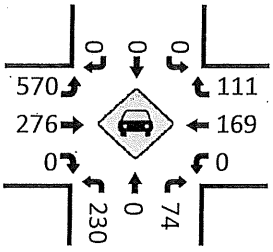
Signalized

TEV	1430	0	2451
	AM	NOON	PM
PHF	0.94		0.97

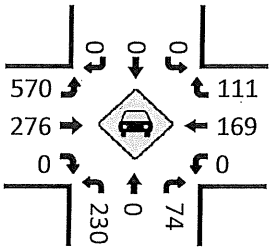
US 101 NB ramps — NORTHBOUND

		0	1.5	0.5	1	
PM	0	0	426	0	48	PM
NOON	0	0	0	0	0	NOON
AM	0	0	230	0	74	AM

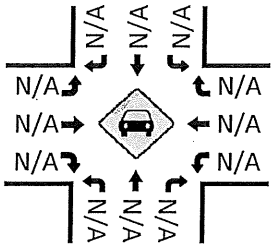
Total Vehicles (AM)



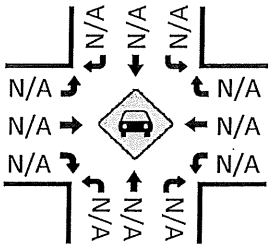
Total Vehicles (AM)



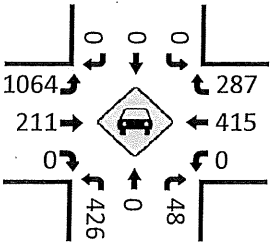
Total Vehicles (Noon)



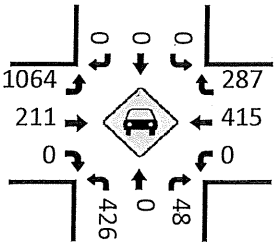
Total Vehicles (Noon)



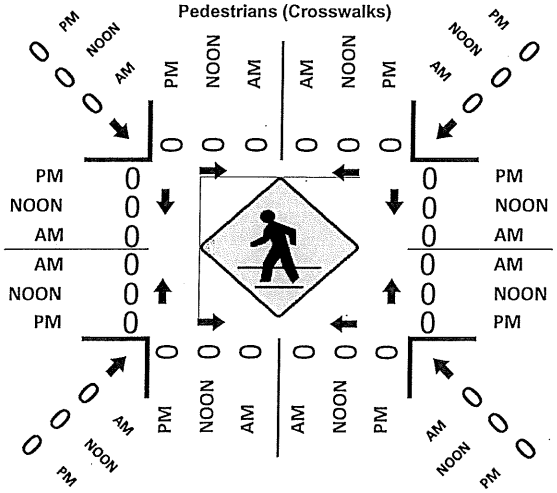
Total Vehicles (PM)



Total Vehicles (PM)



Pedestrians (Crosswalks)



TRIP GENERATION CALCULATIONS

Associated Transportation Engineers
Trip Generation Worksheet

ACQUISTAPACE SPECIFIC PLAN (BLOSSER SE SP UPDATE)

	Land Use	Size	Pass-By Factor	ADT		AM PEAK HOUR						PM PEAK HOUR					
				Rate	Trips	Rate	Trips	In %	Trips	Out %	Trips	Rate	Trips	In %	Trips	Out %	Trips
EXISTING PLAN																	
1	Single Family Residential(a)	656 DU	1.00	9.44	6,193	0.74	485	25%	121	75%	364	0.99	649	63%	409	37%	240
2	Medium Density Residential(a)	144 DU	1.00	9.44	1,359	0.74	107	25%	27	75%	80	0.99	143	63%	90	37%	53
3	High Density Residential(b)	176 DU	1.00	7.32	1,288	0.46	81	23%	19	77%	62	0.56	99	63%	62	37%	37
4	Convenience Center(c)	196,020 SF	0.75	37.75	5,550	0.94	138	62%	86	38%	52	3.81	560	48%	269	52%	291
5	Public Facility(d)	800 Students	1.00	2.13	1,704	0.58	464	54%	251	46%	213	0.17	136	49%	67	51%	69
6	Open Space(e)	14 Acres	1.00	50.00	700	6.50	91	50%	46	50%	45	4.50	63	50%	32	50%	31
	Totals:				**16,794**		**1,366**		**550**		**816**		**1,650**		**929**		**721**
PROPOSED PLAN																	
1	Single Family Residential(a)	464 DU	1.00	9.44	4,380	0.74	343	25%	86	75%	257	0.99	459	63%	289	37%	170
2	High Density Residential(b)	704 DU	1.00	7.32	5,153	0.46	324	23%	75	77%	249	0.56	394	63%	248	37%	146
3	Convenience Center(c)	130,680 SF	0.75	37.75	3,700	0.94	92	62%	57	38%	35	3.81	373	48%	179	52%	194
4	Public Facility(d)	800 Students	1.00	2.13	1,704	0.58	464	54%	251	46%	213	0.17	136	49%	67	51%	69
5	Open Space(e)	19 Acres	1.00	50.00	950	6.50	124	50%	62	50%	62	4.50	86	50%	43	50%	43
	Totals:				**15,887**		**1,347**		**531**		**816**		**1,448**		**826**		**622**
	NET DIFFERENCE:				**-907**		**-19**		**-19**		**0**		**-202**		**-103**		**-99**

(a) Trip generation based on ITE rates for Single Family Detached Housing (ITE Code 210).
(b) Trip generation based on ITE rates for MultiFamily Housing (ITE Code 220).
(c) Trip generation based on ITE rates for Shopping Centers (ITE Code 820). Assumes 30% FAR, as provided by City staff.
(d) Trip generation based on ITE rates for Middle School/Junior High School (ITE Code 522). Assumes 800-student junior high school, as provided by City staff.
(e) Trip generation based on SANDAG rates for Public Park.

LEVEL OF SERVICE WORKSHEETS

#19016 - AQUISTAPACE SP REF: 01_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *BLOSSER ROAD*

E/W STREET: *MAIN STREET*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**124**	**415**	**130**	**43**	**710**	**205**	**110**	**217**	**94**	**188**	**193**	**36**
(B)	PROJECT-ADDED:	**11**	**31**	**0**	**0**	**14**	**0**	**0**	**0**	**0**	**5**	**0**	**0**
(C)	CUMULATIVE:	**102**	**454**	**126**	**38**	**736**	**201**	**99**	**215**	**107**	**201**	**306**	**33**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L TT R	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	124	135	102	113	0.078 *	0.084 *	0.064 *	0.071 *
NBT	2	3200	415	446	454	485	0.161	0.171	0.172	0.182
NBR *(a)*	0	0	100	100	97	97	-	-	-	-
SBL	1	1600	43	43	38	38	0.027	0.027	0.024	0.024
SBT	2	3200	710	724	736	750	0.222 *	0.226 *	0.230 *	0.234 *
SBR *(b)*	1	1600	119	119	117	117	0.074	0.074	0.073	0.073
EBL	1	1600	110	110	99	99	0.069	0.069	0.062	0.062
EBT	2	3200	217	217	215	215	0.084 *	0.084 *	0.085 *	0.085 *
EBR *(c)*	0	0	51	51	58	58	-	-	-	-
WBL	1	1600	188	193	201	206	0.118 *	0.121 *	0.126 *	0.129 *
WBT	2	3200	193	193	306	306	0.067	0.067	0.102	0.102
WBR *(d)*	0	0	21	21	19	19	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.602**	**0.615**	**0.605**	**0.619**
					SCENARIO LEVEL OF SERVICE:		**A**	**B**	**B**	**B**

NOTES:

RTOR: *(a) 23%*
(b) 42%
(c) 46%
(d) 42%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 01_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: ***03/28/19***

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BLOSSER ROAD***

E/W STREET: ***MAIN STREET***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**89**	**783**	**103**	**80**	**449**	**107**	**399**	**490**	**217**	**203**	**196**	**60**
(B)	PROJECT-ADDED:	**4**	**24**	**7**	**0**	**41**	**0**	**0**	**0**	**2**	**3**	**0**	**0**
(C)	CUMULATIVE:	**92**	**892**	**86**	**79**	**505**	**112**	**404**	**529**	**162**	**214**	**204**	**70**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L TT R	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	89	93	92	96	0.056	0.058	0.058	0.060
NBT	2	3200	783	807	892	916	0.274 *	0.283 *	0.303 *	0.313 *
NBR *(a)*	0	0	93	99	77	84	-	-	-	-
SBL	1	1600	80	80	79	79	0.050 *	0.050 *	0.049 *	0.049 *
SBT	2	3200	449	490	505	546	0.140	0.153	0.158	0.171
SBR *(b)*	1	1600	46	46	48	48	0.029	0.029	0.030	0.030
EBL	1	1600	399	399	404	404	0.249 *	0.249 *	0.253 *	0.253 *
EBT	2	3200	490	490	529	529	0.188	0.189	0.192	0.192
EBR *(c)*	0	0	113	114	84	85	-	-	-	-
WBL	1	1600	203	206	214	217	0.127	0.129	0.134	0.136
WBT	2	3200	196	196	204	204	0.076 *	0.076 *	0.081 *	0.081 *
WBR *(d)*	0	0	48	48	56	56	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.749**	**0.758**	**0.786**	**0.796**
					SCENARIO LEVEL OF SERVICE:		**C**	**C**	**C**	**C**

NOTES:

RTOR: *(a) 10%*
(b) 57%
(c) 48%
(d) 20%

Printed: 05/24/19

#19016 - AQUISTAPACE SP

REF: 02_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *9/6/18*

TIME PERIOD: ***AM PEAK HOUR***

N/S STREET: ***BLOSSER ROAD***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**117**	**622**	**112**	**67**	**740**	**26**	**27**	**96**	**41**	**129**	**106**	**75**
(B)	PROJECT-ADDED:	**-9**	**-110**	**-73**	**34**	**-61**	**1**	**0**	**11**	**5**	**-82**	**32**	**124**
(C)	CUMULATIVE:	**120**	**611**	**105**	**66**	**743**	**63**	**56**	**137**	**87**	**140**	**198**	**122**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	117	108	120	111	0.073 *	0.068 *	0.075 *	0.069 *
NBT	2	3200	622	512	611	501	0.227	0.171	0.221	0.166
NBR (a)	0	0	103	36	97	29	-	-	-	-
SBL	1	1600	67	101	66	100	0.042	0.063	0.041	0.063
SBT	2	3200	740	679	743	682	0.238 *	0.220 *	0.249 *	0.231 *
SBR (b)	0	0	23	24	55	56	-	-	-	-
EBL	1	1600	27	27	56	56	0.017	0.017 *	0.035	0.035 *
EBT	2	3200	96	107	137	148	0.037 *	0.041	0.057 *	0.061
EBR (c)	0	0	21	23	44	47	-	-	-	-
WBL	1	1600	129	47	140	58	0.081 *	0.029	0.088 *	0.036
WBT	2	3200	106	138	198	230	0.048	0.081 *	0.085	0.119 *
WBR (d)	0	0	46	121	74	150	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.529**	**0.486**	**0.569**	**0.554**
					SCENARIO LEVEL OF SERVICE:		A	A	A	A

NOTES:

RTOR: *(a) 8%*
(b) 12%
(c) 49%
(d) 39%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 02_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *9/6/2018*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BLOSSER ROAD***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**46**	**948**	**144**	**124**	**711**	**31**	**219**	**480**	**166**	**157**	**93**	**131**
(B)	PROJECT-ADDED:	**0**	**-191**	**-61**	**46**	**-87**	**1**	**12**	**11**	**7**	**-58**	**8**	**83**
(C)	CUMULATIVE:	**51**	**1000**	**140**	**52**	**727**	**37**	**256**	**723**	**258**	**132**	**100**	**169**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	46	46	51	51	0.029	0.029	0.032	0.032
NBT	2	3200	948	757	1000	809	0.338 *	0.260 *	0.353 *	0.276 *
NBR *(a)*	0	0	132	76	129	73	-	-	-	-
SBL	1	1600	124	170	52	98	0.078 *	0.106 *	0.033 *	0.061 *
SBT	2	3200	711	624	727	640	0.231	0.204	0.237	0.210
SBR *(b)*	0	0	27	28	32	33	-	-	-	-
EBL	1	1600	219	231	256	268	0.137	0.144	0.160	0.168
EBT	2	3200	480	491	723	734	0.193 *	0.199 *	0.294 *	0.299 *
EBR *(c)*	0	0	139	145	217	223	-	-	-	-
WBL	1	1600	157	99	132	74	0.098 *	0.062 *	0.083 *	0.046 *
WBT	2	3200	93	101	100	108	0.063	0.087	0.075	0.099
WBR *(d)*	0	0	109	178	140	209	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.807**	**0.727**	**0.863**	**0.782**
					SCENARIO LEVEL OF SERVICE:		**D**	**C**	**D**	**C**

NOTES:

RTOR: *(a) 8%*
(b) 13%
(c) 16%
(d) 17%

Printed: 05/24/19

HCS7 All-Way Stop Control Report

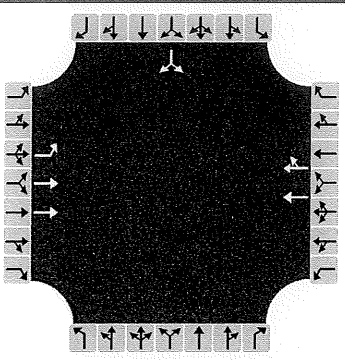
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	EXISTING CONDITIONS

Site Information

Intersection	STOWELL/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	WESTERN
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	40	248			252	115				198		85
% Thrus in Shared Lane						50						
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	T	T	T	TR					LR		
Flow Rate, v (veh/h)	40	124	124	126	241					283		
Percent Heavy Vehicles	2	2	2	2	2					2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20	3.20	3.20	3.20					3.20		
Initial Degree of Utilization, x	0.036	0.110	0.110	0.112	0.214					0.252		
Final Departure Headway, hd (s)	6.58	6.08	6.08	6.35	6.01					6.41		
Final Degree of Utilization, x	0.073	0.209	0.209	0.222	0.402					0.504		
Move-Up Time, m (s)	2.3	2.3	2.3	2.3	2.3					2.3		
Service Time, ts (s)	4.28	3.78	3.78	4.05	3.71					4.11		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	40	124	124	126	241					283		
Capacity	547	592	592	567	599					562		
95% Queue Length, Q_{95} (veh)	0.2	0.8	0.8	0.8	1.9					2.8		
Control Delay (s/veh)	9.8	10.4	10.4	10.9	12.7					15.4		
Level of Service, LOS	A	B	B	B	B					C		
Approach Delay (s/veh)	10.3			12.1						15.4		
Approach LOS	B			B						C		
Intersection Delay, s/veh | LOS	12.5						B					

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HCS7 All-Way Stop Control Report

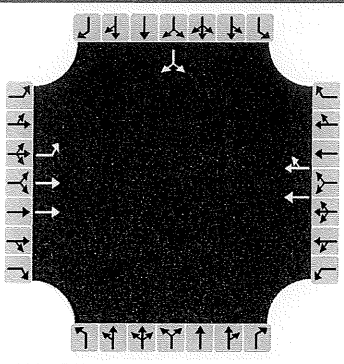
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	EXISTING CONDITIONS

Site Information

Intersection	STOWELL/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	WESTERN
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	80	410			280	260				205		84
% Thrus in Shared Lane						50						
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	T	T	T	TR					LR		
Flow Rate, v (veh/h)	80	205	205	140	400					289		
Percent Heavy Vehicles	2	2	2	2	2					2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20	3.20	3.20	3.20					3.20		
Initial Degree of Utilization, x	0.071	0.182	0.182	0.124	0.356					0.257		
Final Departure Headway, hd (s)	7.09	6.58	6.58	7.03	6.56					7.33		
Final Degree of Utilization, x	0.158	0.375	0.375	0.273	0.729					0.588		
Move-Up Time, m (s)	2.3	2.3	2.3	2.3	2.3					2.3		
Service Time, ts (s)	4.79	4.28	4.28	4.73	4.26					5.03		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	80	205	205	140	400					289		
Capacity	508	547	547	512	548					491		
95% Queue Length, Q_{95} (veh)	0.6	1.7	1.7	1.1	6.1					3.7		
Control Delay (s/veh)	11.1	13.2	13.2	12.4	24.9					20.0		
Level of Service, LOS	B	B	B	B	C					C		
Approach Delay (s/veh)	12.8			21.7						20.0		
Approach LOS	B			C						C		
Intersection Delay, s/veh | LOS	18.0						C					

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HCS7 All-Way Stop Control Report

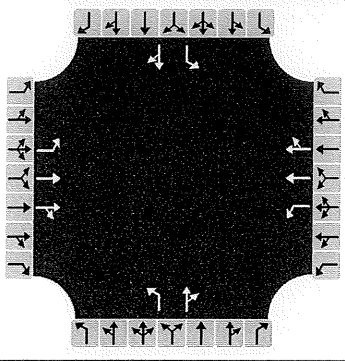
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	EXISTING + PROJECT

Site Information

Intersection	STOWELL/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	WESTERN
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	38	205	18	137	292	106	36	67	230	198	50	83
% Thrus in Shared Lane			50			50						
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	T	TR	L	T	TR	L	TR		L	TR	
Flow Rate, v (veh/h)	38	103	121	137	146	252	36	297		198	133	
Percent Heavy Vehicles	2	2	2	2	2	2	2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.034	0.091	0.107	0.122	0.130	0.224	0.032	0.264		0.176	0.118	
Final Departure Headway, hd (s)	9.65	9.13	9.02	8.90	8.39	8.08	9.19	8.13		9.19	8.24	
Final Degree of Utilization, x	0.102	0.260	0.302	0.339	0.340	0.566	0.092	0.671		0.506	0.304	
Move-Up Time, m (s)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3		2.3	2.3	
Service Time, ts (s)	7.35	6.83	6.72	6.60	6.09	5.78	6.89	5.83		6.89	5.94	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	38	103	121	137	146	252	36	297		198	133	
Capacity	373	394	399	404	429	445	392	443		392	437	
95% Queue Length, Q_{95} (veh)	0.3	1.0	1.3	1.5	1.5	3.4	0.3	4.8		2.8	1.3	
Control Delay (s/veh)	13.4	15.0	15.6	16.1	15.3	20.8	12.8	25.9		20.9	14.5	
Level of Service, LOS	B	C	C	C	C	C	B	D		C	B	
Approach Delay (s/veh)	15.0			18.1			24.5			18.4		
Approach LOS	C			C			C			C		
Intersection Delay, s/veh | LOS	19.1						C					

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HCS7 All-Way Stop Control Report

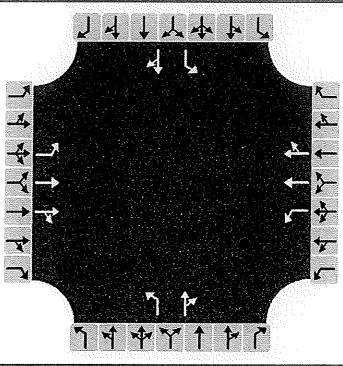
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	EXISTING + PROJECT

Site Information

Intersection	STOWELL/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	WESTERN
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	75	376	36	239	290	172	26	99	151	125	84	82
% Thrus in Shared Lane			50			50						
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	T	TR	L	T	TR	L	TR		L	TR	
Flow Rate, v (veh/h)	75	188	224	239	145	317	26	250		125	166	
Percent Heavy Vehicles	2	2	2	2	2	2	2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.067	0.167	0.199	0.212	0.129	0.282	0.023	0.222		0.111	0.148	
Final Departure Headway, hd (s)	10.23	9.71	9.59	9.73	9.21	8.82	10.72	9.78		10.70	9.84	
Final Degree of Utilization, x	0.213	0.507	0.597	0.646	0.371	0.776	0.077	0.679		0.372	0.454	
Move-Up Time, m (s)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3		2.3	2.3	
Service Time, ts (s)	7.93	7.41	7.29	7.43	6.91	6.52	8.42	7.48		8.40	7.54	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	75	188	224	239	145	317	26	250		125	166	
Capacity	352	371	375	370	391	408	336	368		336	366	
95% Queue Length, Q_{95} (veh)	0.8	2.8	3.7	4.3	1.7	6.6	0.3	4.8		1.7	2.3	
Control Delay (s/veh)	15.7	22.0	25.5	28.6	17.2	36.1	14.3	30.8		19.6	20.4	
Level of Service, LOS	C	C	D	D	C	E	B	D		C	C	
Approach Delay (s/veh)	22.6			29.6			29.3			20.1		
Approach LOS	C			D			D			C		
Intersection Delay, s/veh | LOS	26.1						D					

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HCS7 All-Way Stop Control Report

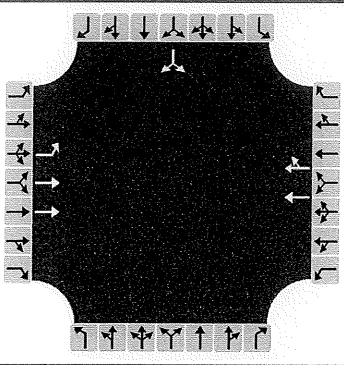
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	CUMULATIVE

Site Information

Intersection	STOWELL/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	WESTERN
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	41	281			373	131				199		116
% Thrus in Shared Lane						50						
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	T	T	T	TR					LR		
Flow Rate, v (veh/h)	41	141	141	187	318					315		
Percent Heavy Vehicles	2	2	2	2	2					2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20	3.20	3.20	3.20					3.20		
Initial Degree of Utilization, x	0.036	0.125	0.125	0.166	0.282					0.280		
Final Departure Headway, hd (s)	7.02	6.51	6.51	6.67	6.38					6.78		
Final Degree of Utilization, x	0.080	0.254	0.254	0.346	0.562					0.593		
Move-Up Time, m (s)	2.3	2.3	2.3	2.3	2.3					2.3		
Service Time, ts (s)	4.72	4.21	4.21	4.37	4.08					4.48		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	41	141	141	187	318					315		
Capacity	513	553	553	540	565					531		
95% Queue Length, Q_{95} (veh)	0.3	1.0	1.0	1.5	3.5					3.8		
Control Delay (s/veh)	10.3	11.4	11.4	12.9	17.0					18.9		
Level of Service, LOS	B	B	B	B	C					C		
Approach Delay (s/veh)	11.3			15.4						18.9		
Approach LOS	B			C						C		
Intersection Delay, s/veh | LOS	15.2						C					

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HCS7 All-Way Stop Control Report

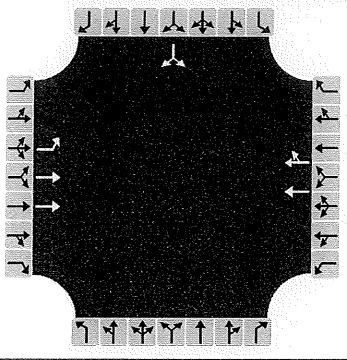
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	CUMULATIVE

Site Information

Intersection	STOWELL/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	WESTERN
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	105	553			294	273				275		91
% Thrus in Shared Lane						50						
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	T	T	T	TR					LR		
Flow Rate, v (veh/h)	105	277	277	147	420					366		
Percent Heavy Vehicles	2	2	2	2	2					2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20	3.20	3.20	3.20					3.20		
Initial Degree of Utilization, x	0.093	0.246	0.246	0.131	0.373					0.325		
Final Departure Headway, hd (s)	7.81	7.29	7.29	8.01	7.54					7.98		
Final Degree of Utilization, x	0.228	0.560	0.560	0.327	0.880					0.812		
Move-Up Time, m (s)	2.3	2.3	2.3	2.3	2.3					2.3		
Service Time, ts (s)	5.51	4.99	4.99	5.71	5.24					5.68		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	105	277	277	147	420					366		
Capacity	461	494	494	449	477					451		
95% Queue Length, Q_{95} (veh)	0.9	3.4	3.4	1.4	9.5					7.6		
Control Delay (s/veh)	12.8	18.9	18.9	14.6	44.1					36.9		
Level of Service, LOS	B	C	C	B	E					E		
Approach Delay (s/veh)	17.9			36.5						36.9		
Approach LOS	C			E						E		
Intersection Delay, s/veh | LOS	28.9						D					

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HCS7 All-Way Stop Control Report

General Information

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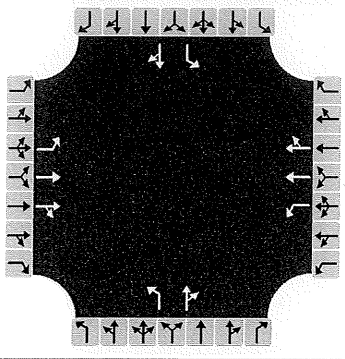
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	STOWELL/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	WESTERN
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	39	238	18	137	413	122	36	67	230	199	50	114
% Thrus in Shared Lane			50			50						
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	T	TR	L	T	TR	L	TR		L	TR	
Flow Rate, v (veh/h)	39	119	137	137	207	329	36	297		199	164	
Percent Heavy Vehicles	2	2	2	2	2	2	2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.035	0.106	0.122	0.122	0.184	0.292	0.032	0.264		0.177	0.146	
Final Departure Headway, hd (s)	10.52	10.00	9.90	9.49	8.97	8.70	10.13	9.07		10.05	9.04	
Final Degree of Utilization, x	0.114	0.331	0.377	0.361	0.515	0.794	0.101	0.748		0.556	0.412	
Move-Up Time, m (s)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3		2.3	2.3	
Service Time, ts (s)	8.22	7.70	7.60	7.19	6.67	6.40	7.83	6.77		7.75	6.74	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	39	119	137	137	207	329	36	297		199	164	
Capacity	342	360	363	379	401	414	355	397		358	398	
95% Queue Length, Q_{95} (veh)	0.4	1.4	1.7	1.6	2.8	7.0	0.3	6.0		3.2	2.0	
Control Delay (s/veh)	14.6	17.6	18.5	17.5	20.8	37.6	14.0	34.2		24.6	17.9	
Level of Service, LOS	B	C	C	C	C	E	B	D		C	C	
Approach Delay (s/veh)	17.6			28.3			32.0			21.6		
Approach LOS	C			D			D			C		
Intersection Delay, s/veh | LOS	25.7						D					

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HCS7 All-Way Stop Control Report

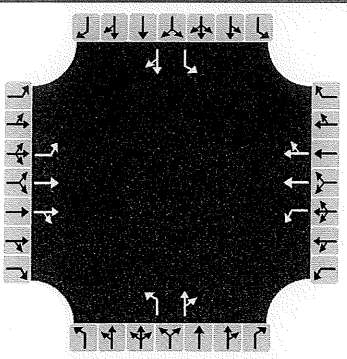
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	STOWELL/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	WESTERN
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	100	519	0	239	304	185	26	99	151	355	84	89
% Thrus in Shared Lane			50			50						
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	T	TR	L	T	TR	L	TR		L	TR	
Flow Rate, v (veh/h)	100	260	260	239	152	337	26	250		355	173	
Percent Heavy Vehicles	2	2	2	2	2	2	2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.089	0.231	0.231	0.212	0.135	0.300	0.023	0.222		0.316	0.154	
Final Departure Headway, hd (s)	11.75	11.26	11.26	11.46	10.96	10.58	12.66	11.76		12.22	11.34	
Final Degree of Utilization, x	0.326	0.811	0.811	0.761	0.463	0.991	0.091	0.816		1.205	0.545	
Move-Up Time, m (s)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3		2.3	2.3	
Service Time, ts (s)	9.45	8.96	8.96	9.16	8.66	8.28	10.36	9.46		9.92	9.04	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	100	260	260	239	152	337	26	250		355	173	
Capacity	306	320	320	314	328	340	284	306		295	318	
95% Queue Length, Q_{95} (veh)	1.4	6.8	6.8	5.9	2.3	11.0	0.3	6.8		15.9	3.1	
Control Delay (s/veh)	20.0	48.4	48.4	42.9	22.8	79.9	16.6	50.8		154.7	26.8	
Level of Service, LOS	C	E	E	E	C	F	C	F		F	D	
Approach Delay (s/veh)	43.8			55.9			47.6			112.8		
Approach LOS	E			F			E			F		
Intersection Delay, s/veh | LOS	65.3						F					

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#19016 - AQUISTAPACE SP REF: 03_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

TIME PERIOD: *PM PEAK HOUR*

N/S STREET: *WESTERN AVENUE* MITIGATED WITH TRAFFIC SIGNALS

E/W STREET: *STOWELL ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	0	0	0	205	0	84	81	410	0	0	280	260
(B)	PROJECT-ADDED:	26	99	151	80	84	-2	-5	-34	36	239	10	-88
(C)	CUMULATIVE:	0	0	0	276	0	91	106	553	0	0	294	273

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T R	SOUTH BOUND L TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)

SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS		# OF LANES	CAPACITY	SCENARIO VOLUMES 2	4		SCENARIO V/C RATIOS 2		4	
NBL		1	1600	26	26		0.016		0.016	
NBT		1	1600	99	99		0.062	*	0.062	*
NBR	(a)	1	1600	151	151		0.094		0.094	
SBL		1	1600	285	356		0.178	*	0.223	*
SBT		1	1600	84	84		0.104		0.108	
SBR	(b)	0	0	82	89		-		-	
EBL		1	1600	76	101		0.048		0.063	
EBT		2	3200	376	519		0.129	*	0.173	*
EBR	(c)	0	0	36	36		-		-	
WBL		1	1600	239	239		0.149	*	0.149	*
WBT		2	3200	290	304		0.091		0.095	
WBR	(d)	1	1600	172	185		0.108		0.116	
					LOST TIME:		0.100	*	0.100	*
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.618**		**0.707**	
					SCENARIO LEVEL OF SERVICE:		**B**		**C**	

NOTES:

RTOR:

Printed: 05/31/19

#19016 - AQUISTAPACE SP REF: 04_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***AM PEAK HOUR***

N/S STREET: ***DEPOT STREET***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**87**	**164**	**169**	**150**	**152**	**8**	**7**	**337**	**103**	**95**	**273**	**90**
(B)	PROJECT-ADDED:	**57**	**3**	**30**	**0**	**18**	**0**	**16**	**156**	**15**	**30**	**129**	**3**
(C)	CUMULATIVE:	**130**	**191**	**202**	**150**	**214**	**3**	**7**	**355**	**119**	**137**	**387**	**98**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T R	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	87	144	130	187	0.054	0.090	0.081	0.117
NBT	1	1600	164	167	191	194	0.103 *	0.104 *	0.119 *	0.121 *
NBR *(a)*	1	1600	91	107	109	125	0.057	0.067	0.068	0.078
SBL	1	1600	150	150	150	150	0.094 *	0.094 *	0.094 *	0.094 *
SBT	2	3200	152	170	214	232	0.050	0.055	0.068	0.073
SBR *(b)*	0	0	7	7	3	3	-	-	-	-
EBL	1	1600	7	23	7	23	0.004	0.014	0.004	0.014
EBT	2	3200	337	493	355	511	0.129 *	0.181 *	0.138 *	0.191 *
EBR *(c)*	0	0	76	87	88	99	-	-	-	-
WBL	1	1600	95	125	137	167	0.059 *	0.078 *	0.086 *	0.104 *
WBT	2	3200	273	402	387	516	0.107	0.148	0.144	0.186
WBR *(d)*	0	0	69	72	75	78	-	-	-	-
			LOST TIME:				0.100 *	0.100 *	0.100 *	0.100 *
			TOTAL INTERSECTION CAPACITY UTILIZATION:				**0.485**	**0.557**	**0.537**	**0.610**
			SCENARIO LEVEL OF SERVICE:				A	A	A	B

NOTES:

RTOR: *(a) 46%*
(b) 10%
(c) 26%
(d) 23%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 04_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***DEPOT STREET***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

		NORTH BOUND			SOUTH BOUND			EAST BOUND			WEST BOUND		
VOLUMES		L	T	R	L	T	R	L	T	R	L	T	R
(A)	EXISTING:	**170**	**322**	**104**	**79**	**296**	**10**	**18**	**345**	**223**	**109**	**350**	**133**
(B)	PROJECT-ADDED:	**-16**	**81**	**50**	**0**	**10**	**15**	**18**	**131**	**47**	**31**	**162**	**2**
(C)	CUMULATIVE:	**209**	**404**	**132**	**79**	**401**	**14**	**38**	**430**	**331**	**151**	**334**	**132**

GEOMETRICS

	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
LANE GEOMETRICS	L T R	L T TR	L T TR	L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS		# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL		1	1600	170	154	209	193	0.106	0.096	0.131	0.121
NBT		1	1600	322	403	404	485	0.201 *	0.252 *	0.253 *	0.303 *
NBR	*(a)*	1	1600	68	100	86	118	0.043	0.063	0.054	0.074
SBL		1	1600	79	79	79	79	0.049 *	0.049 *	0.049 *	0.049 *
SBT		2	3200	296	306	401	411	0.096	0.103	0.130	0.138
SBR	*(b)*	0	0	10	25	14	29	-	-	-	-
EBL		1	1600	18	36	38	56	0.011	0.023	0.024	0.035
EBT		2	3200	345	476	430	561	0.164 *	0.217 *	0.218 *	0.271 *
EBR	*(c)*	0	0	181	219	268	306	-	-	-	-
WBL		1	1600	109	140	151	182	0.068 *	0.088 *	0.094 *	0.114 *
WBT		2	3200	350	512	334	496	0.141	0.193	0.136	0.187
WBR	*(d)*	0	0	102	104	102	103	-	-	-	-
						LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
						TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.582**	**0.706**	**0.714**	**0.837**
						SCENARIO LEVEL OF SERVICE:		A	C	C	D

NOTES:

RTOR: *(a) 35%*
(b) 0%
(c) 19%
(d) 23%

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 05_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *BROADWAY*

E/W STREET: *STOWELL ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**93**	**537**	**140**	**92**	**608**	**83**	**89**	**380**	**69**	**102**	**318**	**66**
(B)	PROJECT-ADDED:	**0**	**24**	**0**	**0**	**16**	**32**	**49**	**164**	**0**	**23**	**93**	**0**
(C)	CUMULATIVE:	**160**	**611**	**109**	**126**	**564**	**106**	**89**	**418**	**42**	**102**	**396**	**70**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L TT R	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS		# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL		1	1600	93	93	160	160	0.058 *	0.058 *	0.100 *	0.100 *
NBT		2	3200	537	561	611	635	0.168	0.175	0.191	0.198
NBR	*(a)*	1	1600	71	71	56	56	0.044	0.044	0.035	0.035
SBL		1	1600	92	92	126	126	0.058	0.058	0.079	0.079
SBT		2	3200	608	624	564	580	0.213 *	0.227 *	0.205 *	0.219 *
SBR	*(b)*	0	0	73	101	93	121	-	-	-	-
EBL		1	1600	89	138	89	138	0.056	0.086	0.056	0.086
EBT		2	3200	380	544	418	582	0.135 *	0.187 *	0.141 *	0.192 *
EBR	*(c)*	0	0	53	53	32	32	-	-	-	-
WBL		1	1600	102	125	102	125	0.064 *	0.078 *	0.064 *	0.078 *
WBT		2	3200	318	411	396	489	0.114	0.143	0.139	0.168
WBR	*(d)*	0	0	46	46	49	49	-	-	-	-
						LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
						TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.570**	**0.650**	**0.610**	**0.689**
						SCENARIO LEVEL OF SERVICE:		**A**	**B**	**B**	**B**

NOTES:

RTOR: *(a) 49%*
(b) 12%
(c) 23%
(d) 30%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 05_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BROADWAY***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

		NORTH BOUND			SOUTH BOUND			EAST BOUND			WEST BOUND		
VOLUMES		L	T	R	L	T	R	L	T	R	L	T	R
(A)	EXISTING:	**175**	**981**	**248**	**97**	**915**	**56**	**136**	**436**	**94**	**140**	**468**	**134**
(B)	PROJECT-ADDED:	**0**	**16**	**0**	**0**	**24**	**50**	**40**	**98**	**0**	**0**	**172**	**0**
(C)	CUMULATIVE:	**189**	**961**	**245**	**109**	**973**	**87**	**167**	**548**	**88**	**130**	**510**	**135**

GEOMETRICS

	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
LANE GEOMETRICS	L TT R	L T TR	L T TR	L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	175	175	189	189	0.109 *	0.109 *	0.118 *	0.118 *
NBT	2	3200	981	997	961	977	0.307	0.312	0.300	0.305
NBR *(a)*	1	1600	186	186	184	184	0.116	0.116	0.115	0.115
SBL	1	1600	97	97	109	109	0.061	0.061	0.068	0.068
SBT	2	3200	915	939	973	997	0.302 *	0.323 *	0.328 *	0.350 *
SBR *(b)*	0	0	50	95	78	123	-	-	-	-
EBL	1	1600	136	176	167	207	0.085 *	0.110 *	0.104 *	0.129 *
EBT	2	3200	436	534	548	646	0.160	0.191	0.194	0.224
EBR *(c)*	0	0	77	77	72	72	-	-	-	-
WBL	1	1600	140	140	130	130	0.088	0.088	0.081	0.081
WBT	2	3200	468	640	510	682	0.184 *	0.238 *	0.198 *	0.251 *
WBR *(d)*	0	0	121	121	122	122	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.780**	**0.880**	**0.848**	**0.948**
					SCENARIO LEVEL OF SERVICE:		**C**	**D**	**D**	**E**

NOTES:

RTOR: *(a) 25%*
(b) 10%
(c) 18%
(d) 10%

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 05_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BROADWAY***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

MITIGATED WITH SB AND SB RIGHT-TURN LANES

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**175**	**981**	**248**	**97**	**915**	**56**	**136**	**436**	**94**	**140**	**468**	**134**
(B)	PROJECT-ADDED:	**0**	**16**	**0**	**0**	**24**	**50**	**40**	**98**	**0**	**0**	**172**	**0**
(C)	CUMULATIVE:	**189**	**961**	**245**	**109**	**973**	**87**	**167**	**548**	**88**	**130**	**510**	**135**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
	L TT R	L T TR	L T TR	L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS		# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL		1	1600	175	175	189	189	0.109 *	0.109 *	0.118 *	0.118 *
NBT		2	3200	981	997	961	977	0.307	0.312	0.300	0.305
NBR	*(a)*	1	1600	186	186	184	184	0.116	0.116	0.115	0.115
SBL		1	1600	97	97	109	109	0.061	0.061	0.068	0.068
SBT		2	3200	915	939	973	997	0.286 *	0.293 *	0.304 *	0.312 *
SBR	*(b)*	1	1600	50	95	78	123	0.031	0.059	0.049	0.077
EBL		1	1600	136	176	167	207	0.085 *	0.110 *	0.104 *	0.129 *
EBT		2	3200	436	534	548	646	0.160	0.191	0.194	0.224
EBR	*(c)*	0	0	77	77	72	72	-	-	-	-
WBL		1	1600	140	140	130	130	0.088	0.088	0.081	0.081
WBT		2	3200	468	640	510	682	0.146 *	0.200 *	0.159 *	0.213 *
WBR	*(d)*	1	1600	121	121	122	122	0.076	0.076	0.076	0.076
						LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
						TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.726**	**0.812**	**0.785**	**0.872**
						SCENARIO LEVEL OF SERVICE:		**C**	**D**	**C**	**D**

NOTES:

RTOR: *(a) 25%*
(b) 10%
(c) 18%
(d) 10%

Printed: 05/30/19

#19016 - AQUISTAPACE SP

REF: 06_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***AM PEAK HOUR***

N/S STREET: ***MILLER STREET***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

		NORTH BOUND			SOUTH BOUND			EAST BOUND			WEST BOUND		
VOLUMES		L	T	R	L	T	R	L	T	R	L	T	R
(A)	EXISTING:	**28**	**244**	**165**	**38**	**286**	**63**	**68**	**475**	**54**	**127**	**380**	**48**
(B)	PROJECT-ADDED:	**0**	**12**	**0**	**0**	**6**	**10**	**12**	**152**	**0**	**0**	**106**	**0**
(C)	CUMULATIVE:	**27**	**244**	**179**	**40**	**322**	**66**	**67**	**495**	**75**	**129**	**432**	**54**

GEOMETRICS

	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
LANE GEOMETRICS	L T R	L T TR	L T TR	L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	28	28	27	27	0.018	0.018	0.017	0.017
NBT	1	1600	244	256	244	256	0.153 *	0.160 *	0.153 *	0.160 *
NBR *(a)*	1	1600	78	78	84	84	0.049	0.049	0.053	0.053
SBL	1	1600	38	38	40	40	0.024 *	0.024 *	0.025 *	0.025 *
SBT	2	3200	286	292	322	328	0.106	0.110	0.118	0.122
SBR *(b)*	0	0	52	61	55	63	-	-	-	-
EBL	1	1600	68	80	67	79	0.043	0.050	0.042	0.049
EBT	2	3200	475	627	495	647	0.162 *	0.209 *	0.173 *	0.221 *
EBR *(c)*	0	0	43	43	60	60	-	-	-	-
WBL	1	1600	127	127	129	129	0.079 *	0.079 *	0.081 *	0.081 *
WBT	2	3200	380	486	432	538	0.129	0.162	0.146	0.179
WBR *(d)*	0	0	32	32	36	36	-	-	-	-
		LOST TIME:					0.100 *	0.100 *	0.100 *	0.100 *
		TOTAL INTERSECTION CAPACITY UTILIZATION:					**0.518**	**0.572**	**0.532**	**0.587**
		SCENARIO LEVEL OF SERVICE:					A	A	A	A

NOTES:

RTOR: *(a) 53%*
(b) 17%
(c) 20%
(d) 33%

Printed: 05/23/19

#19016 - AQUISTAPACE SP

REF: 06_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***MILLER STREET***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**56**	**468**	**209**	**104**	**582**	**55**	**138**	**553**	**68**	**167**	**611**	**64**
(B)	PROJECT-ADDED:	**0**	**6**	**0**	**0**	**10**	**15**	**13**	**85**	**0**	**0**	**157**	**0**
(C)	CUMULATIVE:	**56**	**466**	**216**	**123**	**598**	**58**	**148**	**693**	**39**	**153**	**639**	**73**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T R	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	56	56	56	56	0.035	0.035	0.035	0.035
NBT	1	1600	468	474	466	472	0.293 *	0.296 *	0.291 *	0.295 *
NBR *(a)*	1	1600	123	123	127	127	0.077	0.077	0.079	0.079
SBL	1	1600	104	104	123	123	0.065 *	0.065 *	0.077 *	0.077 *
SBT	2	3200	582	592	598	608	0.198	0.206	0.204	0.212
SBR *(b)*	0	0	52	67	55	69	-	-	-	-
EBL	1	1600	138	151	148	161	0.086	0.094 *	0.093	0.101 *
EBT	2	3200	553	638	693	778	0.193 *	0.219	0.228 *	0.255
EBR *(c)*	0	0	64	64	37	37	-	-	-	-
WBL	1	1600	167	167	153	153	0.104 *	0.104	0.096 *	0.096
WBT	2	3200	611	768	639	796	0.207	0.256 *	0.218	0.267 *
WBR *(d)*	0	0	51	51	58	58	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.755**	**0.811**	**0.792**	**0.840**
					SCENARIO LEVEL OF SERVICE:		**C**	**D**	**C**	**D**

NOTES:

RTOR: *(a) 41%*
(b) 5%
(c) 6%
(d) 20%

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 07_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: ***BRADLEY ROAD***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**295**	**220**	**183**	**58**	**218**	**116**	**116**	**398**	**131**	**34**	**322**	**259**
(B)	PROJECT-ADDED:	**61**	**0**	**68**	**0**	**0**	**5**	**8**	**103**	**81**	**0**	**40**	**0**
(C)	CUMULATIVE:	**315**	**227**	**228**	**69**	**255**	**109**	**126**	**420**	**133**	**36**	**369**	**281**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND LL T R	SOUTH BOUND L T TR	EAST BOUND L TT R	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS		# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL		2	3200	295	356	315	376	0.092 *	0.111 *	0.098 *	0.118 *
NBT		1	1600	220	220	227	227	0.138	0.138	0.142	0.142
NBR	*(a)*	1	1600	90	123	112	145	0.056	0.077	0.070	0.091
SBL		1	1600	58	58	69	69	0.036	0.036	0.043	0.043
SBT		2	3200	218	218	255	255	0.089 *	0.090 *	0.099 *	0.100 *
SBR	*(b)*	0	0	67	70	63	66	-	-	-	-
EBL		1	1600	116	124	126	134	0.073 *	0.078 *	0.079 *	0.084 *
EBT		2	3200	398	501	420	523	0.124	0.157	0.131	0.163
EBR	*(c)*	1	1600	73	119	74	120	0.046	0.074	0.046	0.075
WBL		1	1600	34	34	36	36	0.021	0.021	0.023	0.023
WBT		2	3200	322	362	369	409	0.158 *	0.171 *	0.178 *	0.190 *
WBR	*(d)*	0	0	184	184	200	200	-	-	-	-
						LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
						TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.512**	**0.550**	**0.554**	**0.592**
						SCENARIO LEVEL OF SERVICE:		A	A	A	A

NOTES:

RTOR: *(a) 51%*
(b) 42%
(c) 44%
(d) 29%

Printed: 05/23/19

EXISTING: <---- THIS COMPARES TO CONDITION (A)
SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

#19016 - AQUISTAPACE SP REF: 07_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BRADLEY ROAD***

E/W STREET: ***STOWELL ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

		NORTH BOUND			SOUTH BOUND			EAST BOUND			WEST BOUND		
VOLUMES		L	T	R	L	T	R	L	T	R	L	T	R
(A)	EXISTING:	**299**	**224**	**375**	**133**	**482**	**160**	**177**	**544**	**297**	**58**	**398**	**125**
(B)	PROJECT-ADDED:	**87**	**0**	**52**	**0**	**0**	**8**	**6**	**79**	**0**	**0**	**62**	**0**
(C)	CUMULATIVE:	**303**	**281**	**371**	**149**	**524**	**163**	**185**	**662**	**334**	**58**	**410**	**162**

GEOMETRICS

	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
LANE GEOMETRICS	LL T R	L T TR	L TT R	L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	2	3200	299	386	303	390	0.093 *	0.121 *	0.095 *	0.122 *
NBT	1	1600	224	224	281	281	0.140	0.140	0.176	0.176
NBR *(a)*	1	1600	240	273	237	271	0.150	0.171	0.148	0.169
SBL	1	1600	133	133	149	149	0.083	0.083	0.093	0.093
SBT	2	3200	482	482	524	524	0.186 *	0.188 *	0.199 *	0.201 *
SBR *(b)*	0	0	112	118	114	120	-	-	-	-
EBL	1	1600	177	183	185	191	0.111 *	0.114 *	0.116 *	0.119 *
EBT	2	3200	544	623	662	741	0.170	0.195	0.207	0.232
EBR *(c)*	1	1600	220	220	247	247	0.138	0.138	0.154	0.154
WBL	1	1600	58	58	58	58	0.036	0.036	0.036	0.036
WBT	2	3200	398	460	410	472	0.153 *	0.173 *	0.166 *	0.185 *
WBR *(d)*	0	0	93	93	120	120	-	-	-	-
		LOST TIME:					0.100 *	0.100 *	0.100 *	0.100 *
		TOTAL INTERSECTION CAPACITY UTILIZATION:					**0.643**	**0.696**	**0.676**	**0.727**
		SCENARIO LEVEL OF SERVICE:					**B**	**B**	**B**	**C**

NOTES:

RTOR: *(a) 36%*
(b) 30%
(c) 26%
(d) 26%

Printed: 05/24/19

HCS7 All-Way Stop Control Report

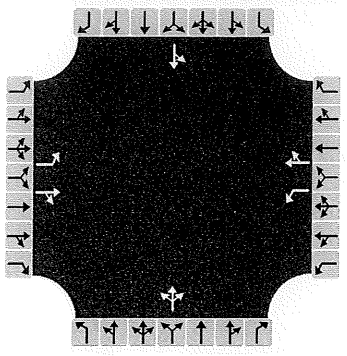
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	EXISTING CONDITIONS

Site Information

Intersection	STOWELL/101 NB-NICHOLSON
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	101 NB-NICHOLSON
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	581	50	8	2	28	7	6	2	2	1	1	
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	TR		L	TR		LTR			LT		
Flow Rate, v (veh/h)	581	58		2	35		10			2		
Percent Heavy Vehicles	2	2		2	2		2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20			3.20		
Initial Degree of Utilization, x	0.516	0.052		0.002	0.031		0.009			0.002		
Final Departure Headway, hd (s)	5.10	4.50		5.56	4.92		5.52			5.63		
Final Degree of Utilization, x	0.823	0.072		0.003	0.048		0.015			0.003		
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0			2.0		
Service Time, ts (s)	2.80	2.20		3.26	2.62		3.52			3.63		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	581	58		2	35		10			2		
Capacity	706	800		647	732		652			639		
95% Queue Length, Q_{95} (veh)	8.9	0.2		0.0	0.2		0.0			0.0		
Control Delay (s/veh)	26.9	7.6		8.3	7.9		8.6			8.7		
Level of Service, LOS	D	A		A	A		A			A		
Approach Delay (s/veh)	25.1			7.9			8.6			8.7		
Approach LOS	D			A			A			A		
Intersection Delay, s/veh | LOS	23.9						C					

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AWD = 8.1 SEC = LOS A

HCS7 All-Way Stop Control Report

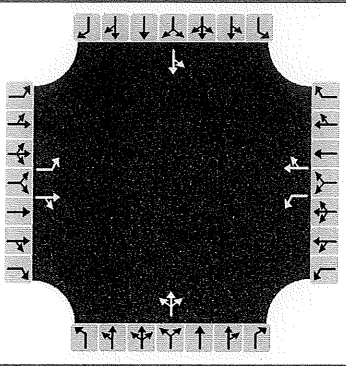
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	EXISTING CONDITIONS

Site Information

Intersection	STOWELL/101 NB-NICHOLSON
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	101 NB-NICHOLSON
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	994	41	18	2	93	21	10	1	0	1	5	
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	TR		L	TR		LTR			LT		
Flow Rate, v (veh/h)	994	59		2	114		11			6		
Percent Heavy Vehicles	2	2		2	2		2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20			3.20		
Initial Degree of Utilization, x	0.884	0.052		0.002	0.101		0.010			0.005		
Final Departure Headway, hd (s)	5.17	4.46		5.65	5.03		6.15			6.02		
Final Degree of Utilization, x	1.428	0.073		0.003	0.159		0.019			0.010		
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0			2.0		
Service Time, ts (s)	2.87	2.16		3.35	2.73		4.15			4.02		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	994	59		2	114		11			6		
Capacity	696	807		637	716		585			598		
95% Queue Length, Q_{95} (veh)	45.5	0.2		0.0	0.6		0.1			0.0		
Control Delay (s/veh)	216.6	7.5		8.4	8.7		9.3			9.1		
Level of Service, LOS	F	A		A	A		A			A		
Approach Delay (s/veh)	204.9			8.7			9.3			9.1		
Approach LOS	F			A			A			A		
Intersection Delay, s/veh | LOS	182.9						F					

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AWD = 8.8 sec = LOS A

HCS7 All-Way Stop Control Report

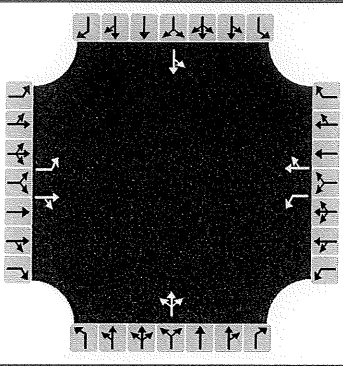
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	EXISTING + PROJECT

Site Information

Intersection	STOWELL/101 NB-NICHOLSON
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	101 NB-NICHOLSON
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	752	50	8	2	28	7	6	2	2	1	1	
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	TR		L	TR		LTR			LT		
Flow Rate, v (veh/h)	752	58		2	35		10			2		
Percent Heavy Vehicles	2	2		2	2		2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20			3.20		
Initial Degree of Utilization, x	0.668	0.052		0.002	0.031		0.009			0.002		
Final Departure Headway, hd (s)	5.10	4.50		5.63	4.99		5.84			5.95		
Final Degree of Utilization, x	1.065	0.073		0.003	0.049		0.016			0.003		
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0			2.0		
Service Time, ts (s)	2.80	2.20		3.33	2.69		3.84			3.95		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	752	58		2	35		10			2		
Capacity	706	800		639	721		617			605		
95% Queue Length, Q_{95} (veh)	19.9	0.2		0.0	0.2		0.0			0.0		
Control Delay (s/veh)	74.0	7.6		8.3	7.9		8.9			9.0		
Level of Service, LOS	F	A		A	A		A			A		
Approach Delay (s/veh)	69.3			8.0			8.9			9.0		
Approach LOS	F			A			A			A		
Intersection Delay, s/veh | LOS	65.8						F					

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AWD = 8.2 sec = LOS A

HCS7 All-Way Stop Control Report

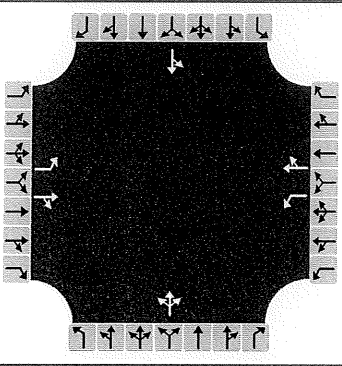
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	EXISTING + PROJECT

Site Information

Intersection	STOWELL/101 NB-NICHOLSON
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	101 NB-NICHOLSON
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	1073	41	18	2	93	21	10	1	0	1	5	
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	TR		L	TR		LTR			LT		
Flow Rate, v (veh/h)	1073	59		2	114		11			6		
Percent Heavy Vehicles	2	2		2	2		2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20			3.20		
Initial Degree of Utilization, x	0.954	0.052		0.002	0.101		0.010			0.005		
Final Departure Headway, hd (s)	5.17	4.46		5.65	5.03		6.15			6.02		
Final Degree of Utilization, x	1.542	0.073		0.003	0.159		0.019			0.010		
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0			2.0		
Service Time, ts (s)	2.87	2.16		3.35	2.73		4.15			4.02		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	1073	59		2	114		11			6		
Capacity	696	807		637	716		585			598		
95% Queue Length, Q_{95} (veh)	54.5	0.2		0.0	0.6		0.1			0.0		
Control Delay (s/veh)	265.8	7.5		8.4	8.7		9.3			9.1		
Level of Service, LOS	F	A		A	A		A			A		
Approach Delay (s/veh)	252.3			8.7			9.3			9.1		
Approach LOS	F			A			A			A		
Intersection Delay, s/veh | LOS	226.7						F					

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AWD = 8.8 SEC = LOS A

HCS7 All-Way Stop Control Report

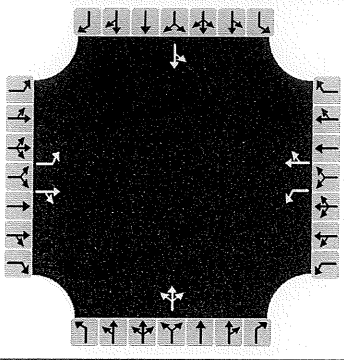
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	CUMULATIVE

Site Information

Intersection	STOWELL/101 NB-NICHOLSON
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	101 NB-NICHOLSON
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	600	46	5	2	28	7	10	0	2	1	2	
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	TR		L	TR		LTR			LT		
Flow Rate, v (veh/h)	600	51		2	35		12			3		
Percent Heavy Vehicles	2	2		2	2		2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20			3.20		
Initial Degree of Utilization, x	0.533	0.045		0.002	0.031		0.011			0.003		
Final Departure Headway, hd (s)	5.11	4.54		5.58	4.94		5.63			5.65		
Final Degree of Utilization, x	0.851	0.064		0.003	0.048		0.019			0.005		
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0			2.0		
Service Time, ts (s)	2.81	2.24		3.28	2.64		3.63			3.65		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	600	51		2	35		12			3		
Capacity	705	793		645	729		639			637		
95% Queue Length, Q_{95} (veh)	9.8	0.2		0.0	0.2		0.1			0.0		
Control Delay (s/veh)	29.8	7.5		8.3	7.9		8.7			8.7		
Level of Service, LOS	D	A		A	A		A			A		
Approach Delay (s/veh)	28.0			7.9			8.7			8.7		
Approach LOS	D			A			A			A		
Intersection Delay, s/veh | LOS	26.6						D					

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AWD = 8.1 SEC = LOS A

HCS7 All-Way Stop Control Report

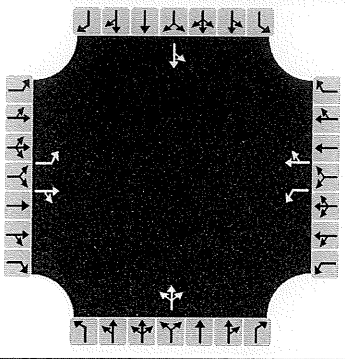
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	CUMULATIVE

Site Information

Intersection	STOWELL/101 NB-NICHOLSON
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	101 NB-NICHOLSON
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	1104	57	22	2	89	21	11	1	0	1	5	
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	TR		L	TR		LTR			LT		
Flow Rate, v (veh/h)	1104	79		2	110		12			6		
Percent Heavy Vehicles	2	2		2	2		2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20			3.20		
Initial Degree of Utilization, x	0.981	0.070		0.002	0.098		0.011			0.005		
Final Departure Headway, hd (s)	5.18	4.48		5.69	5.06		6.15			6.02		
Final Degree of Utilization, x	1.587	0.098		0.003	0.155		0.021			0.010		
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0			2.0		
Service Time, ts (s)	2.88	2.18		3.39	2.76		4.15			4.02		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	1104	79		2	110		12			6		
Capacity	696	804		633	712		585			598		
95% Queue Length, Q_{95} (veh)	58.2	0.3		0.0	0.5		0.1			0.0		
Control Delay (s/veh)	285.4	7.7		8.4	8.7		9.3			9.1		
Level of Service, LOS	F	A		A	A		A			A		
Approach Delay (s/veh)	266.8			8.7			9.3			9.1		
Approach LOS	F			A			A			A		
Intersection Delay, s/veh | LOS	241.3						F					

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AWD = 8.8 sec = LOS A

HCS7 All-Way Stop Control Report

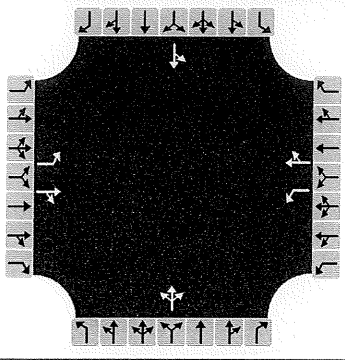
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	STOWELL/101 NB-NICHOLSON
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	101 NB-NICHOLSON
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	771	46	5	2	28	7	10	0	2	1	2	
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	TR		L	TR		LTR			LT		
Flow Rate, v (veh/h)	771	51		2	35		12			3		
Percent Heavy Vehicles	2	2		2	2		2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20			3.20		
Initial Degree of Utilization, x	0.685	0.045		0.002	0.031		0.011			0.003		
Final Departure Headway, hd (s)	5.11	4.54		5.63	5.00		5.91			5.93		
Final Degree of Utilization, x	1.094	0.064		0.003	0.049		0.020			0.005		
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0			2.0		
Service Time, ts (s)	2.81	2.24		3.33	2.70		3.91			3.93		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	771	51		2	35		12			3		
Capacity	705	793		639	720		609			608		
95% Queue Length, Q_{95} (veh)	21.7	0.2		0.0	0.2		0.1			0.0		
Control Delay (s/veh)	83.5	7.6		8.4	8.0		9.0			9.0		
Level of Service, LOS	F	A		A	A		A			A		
Approach Delay (s/veh)	78.8			8.0			9.0			9.0		
Approach LOS	F			A			A			A		
Intersection Delay, s/veh | LOS	74.6						F					

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AWD = 8.3 sec = LOS A

HCS7 All-Way Stop Control Report

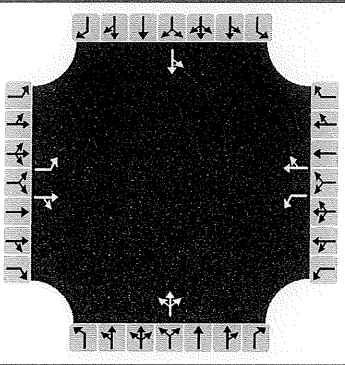
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	STOWELL/101 NB-NICHOLSON
Jurisdiction	SANTA MARIA
East/West Street	STOWELL
North/South Street	101 NB-NICHOLSON
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	1183	57	22	2	89	21	11	1	0	1	5	
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	L	TR		L	TR		LTR			LT		
Flow Rate, v (veh/h)	1183	79		2	110		12			6		
Percent Heavy Vehicles	2	2		2	2		2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20			3.20		
Initial Degree of Utilization, x	1.000	0.070		0.002	0.098		0.011			0.005		
Final Departure Headway, hd (s)	5.17	4.48		5.69	5.06		6.15			6.02		
Final Degree of Utilization, x	1.700	0.098		0.003	0.155		0.020			0.010		
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0			2.0		
Service Time, ts (s)	2.87	2.18		3.39	2.76		4.15			4.02		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	1183	79		2	110		12			6		
Capacity	696	804		633	712		585			598		
95% Queue Length, Q_{95} (veh)	67.5	0.8		0.0	0.5		0.1			0.0		
Control Delay (s/veh)	335.1	7.7		8.4	8.7		9.3			9.1		
Level of Service, LOS	F	A		A	A		A			A		
Approach Delay (s/veh)	314.6			8.7			9.3			9.1		
Approach LOS	F			A			A			A		
Intersection Delay, s/veh | LOS	286.1						F					

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AWD = 8.8 sec = LOS A

#19016 - AQUISTAPACE SP REF: 09_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *BLOSSER ROAD*

E/W STREET: *LA BREA AVENUE*

CONTROL TYPE: *SIGNAL*

EXISTING & CUMULATIVE SCENARIOS

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**30**	**821**	**0**	**0**	**873**	**88**	**91**	**0**	**17**	**0**	**0**	**0**
(B)	PROJECT-ADDED:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
(C)	CUMULATIVE:	**113**	**756**	**0**	**0**	**866**	**155**	**141**	**0**	**86**	**0**	**0**	**0**

GEOMETRICS

	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
LANE GEOMETRICS	L TT	L T TR	L R	

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)

SCENARIO 3 = SHORT-TERM CUMULATIVE (C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1		3			
NBL	1	1600	30	30	113	113	0.019 *		0.071 *			
NBT	2	3200	821	821	756	756	0.257		0.236			
NBR (a)	0	0	0	0	0	0	-		-			
SBL	1	1600	0	0	0	0	0.000		0.000			
SBT	2	3200	873	873	866	866	0.300 *		0.318 *			
SBR (b)	0	0	87	87	153	153	-		-			
EBL	1	1600	91	91	141	141	0.057 *		0.088 *			
EBT	0	0	0	0	0	0	-		-			
EBR (c)	1	1600	6	6	30	30	0.004		0.019			
WBL	0	0	0	0	0	0	-		-			
WBT	0	0	0	0	0	0	-		-			
WBR (d)	0	0	0	0	0	0	-		-			
					LOST TIME:		0.100 *		0.100 *			
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.476**		**0.577**			
					SCENARIO LEVEL OF SERVICE:		A		A			

NOTES:

RTOR: *(a) 0%*
(b) 1%
(c) 65%
(d) 0%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 09_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *BLOSSER ROAD*

E/W STREET: *LA BREA AVENUE*

CONTROL TYPE: *SIGNAL*

EXISTING + PROJECT & CUMULATIVE + PROJECT SCENARIOS

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	30	821	0	0	873	88	91	0	17	0	0	0
(B)	PROJECT-ADDED:	0	-227	46	29	-165	0	0	0	0	74	0	37
(C)	CUMULATIVE:	113	756	0	0	866	155	141	0	86	0	0	0

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L TR	WEST BOUND L TR

TRAFFIC SCENARIOS

SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)

SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	30	30	113	113		0.019 *		0.071 *
NBT	2	3200	821	594	756	529		0.200		0.180
NBR (a)	0	0	0	46	0	46		-		-
SBL	1	1600	0	29	0	29		0.018		0.018
SBT	2	3200	873	708	866	701		0.248 *		0.267 *
SBR (b)	0	0	87	87	153	153		-		-
EBL	1	1600	91	91	141	141		0.057 *		0.088 *
EBT	1	1600	0	0	0	0		0.004		0.019
EBR (c)	0	0	6	6	30	30		-		-
WBL	1	1600	0	74	0	74		0.046		0.046
WBT	1	1600	0	0	0	0		0.023 *		0.023 *
WBR (d)	0	0	0	37	0	37		-		-
					LOST TIME:			0.100 *		0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:			**0.447**		**0.549**
					SCENARIO LEVEL OF SERVICE:			A		A

NOTES:

RTOR: *(a) 0%*
(b) 1%
(c) 65%
(d) 0%

Printed: 05/24/19

#19016 - AQUISTAPACE SP

REF: 09_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BLOSSER ROAD***

E/W STREET: ***LA BREA AVENUE***

CONTROL TYPE: ***SIGNAL***

EXISTING & CUMULATIVE SCENARIOS

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**12**	**936**	**0**	**0**	**929**	**69**	**212**	**0**	**38**	**0**	**0**	**0**
(B)	PROJECT-ADDED:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
(C)	CUMULATIVE:	**136**	**928**	**0**	**0**	**926**	**157**	**273**	**0**	**121**	**0**	**0**	**0**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L TT	SOUTH BOUND L T TR	EAST BOUND L R	WEST BOUND

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)

SCENARIO 3 = SHORT-TERM CUMULATIVE (C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1		3			
NBL	1	1600	12	12	136	136	0.008 *		0.085 *			
NBT	2	3200	936	936	928	928	0.293		0.290			
NBR *(a)*	0	0	0	0	0	0	-		-			
SBL	1	1600	0	0	0	0	0.000		0.000			
SBT	2	3200	929	929	926	926	0.308 *		0.329 *			
SBR *(b)*	0	0	55	55	126	126	-		-			
EBL	1	1600	212	212	273	273	0.133 *		0.171 *			
EBT	0	0	0	0	0	0	-		-			
EBR *(c)*	1	1600	17	17	54	54	0.011		0.034			
WBL	0	0	0	0	0	0	-		-			
WBT	0	0	0	0	0	0	-		-			
WBR *(d)*	0	0	0	0	0	0	-		-			
					LOST TIME:		0.100 *		0.100 *			
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.549**		**0.685**			
					SCENARIO LEVEL OF SERVICE:		**A**		**B**			

NOTES:

RTOR: *(a) 0%*
(b) 20%
(c) 55%
(d) 0%

Printed: 05/24/19

#19016 - AQUISTAPACE SP

REF: 09_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BLOSSER ROAD***

E/W STREET: ***LA BREA AVENUE***

CONTROL TYPE: ***SIGNAL***

EXISTING + PROJECT & CUMULATIVE + PROJECT SCENARIOS

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**12**	**936**	**0**	**0**	**929**	**69**	**212**	**0**	**38**	**0**	**0**	**0**
(B)	PROJECT-ADDED:	**0**	**-191**	**61**	**37**	**-174**	**0**	**0**	**0**	**0**	**60**	**0**	**28**
(C)	CUMULATIVE:	**136**	**928**	**0**	**0**	**926**	**157**	**273**	**0**	**121**	**0**	**0**	**0**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L TR	WEST BOUND L TR

TRAFFIC SCENARIOS

SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)

SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS		# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL		1	1600	12	12	136	136		0.008		0.085 *
NBT		2	3200	936	745	928	737		0.252 *		0.249
NBR	*(a)*	0	0	0	61	0	61		-		-
SBL		1	1600	0	37	0	37		0.023 *		0.023
SBT		2	3200	929	755	926	752		0.253		0.274 *
SBR	*(b)*	0	0	55	55	126	126		-		-
EBL		1	1600	212	212	273	273		0.133 *		0.171 *
EBT		1	1600	0	0	0	0		0.011		0.034
EBR	*(c)*	0	0	17	17	54	54		-		-
WBL		1	1600	0	60	0	60		0.038		0.038
WBT		1	1600	0	0	0	0		0.018 *		0.018 *
WBR	*(d)*	0	0	0	28	0	28		-		-
						LOST TIME:			0.100 *		0.100 *
						TOTAL INTERSECTION CAPACITY UTILIZATION:			**0.508**		**0.630**
						SCENARIO LEVEL OF SERVICE:			**A**		**B**

NOTES:

RTOR: *(a) 0%*
(b) 20%
(c) 55%
(d) 0%

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 10_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: ***BRADLEY ROAD***

E/W STREET: ***US 101 SB-COLUMBIA***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**13**	**294**	**28**	**180**	**167**	**33**	**34**	**27**	**20**	**310**	**64**	**378**
(B)	PROJECT-ADDED:	**0**	**68**	**30**	**31**	**0**	**0**	**0**	**0**	**0**	**50**	**0**	**61**
(C)	CUMULATIVE:	**20**	**352**	**30**	**195**	**214**	**33**	**31**	**30**	**23**	**323**	**58**	**389**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
	L T TR	L TT R	L T TR	L T R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	13	13	20	20	0.008	0.008	0.013	0.013
NBT	2	3200	294	362	352	420	0.092 *	0.113 *	0.110 *	0.131 *
NBR *(a)*	1	1600	15	31	16	32	0.009	0.019	0.010	0.020
SBL	1	1600	180	211	195	226	0.113 *	0.132 *	0.122 *	0.141 *
SBT	2	3200	167	167	214	214	0.052	0.052	0.067	0.067
SBR *(b)*	1	1600	20	20	20	20	0.013	0.013	0.013	0.013
EBL	1	1600	34	34	31	31	0.021	0.021	0.019	0.019
EBT	2	3200	27	27	30	30	0.010 *	0.010 *	0.011 *	0.011 *
EBR *(c)*	0	0	4	4	5	5	-	-	-	-
WBL	1	1600	310	360	323	373	0.194 *	0.225 *	0.202 *	0.233 *
WBT	1	1600	64	64	58	58	0.040	0.040	0.036	0.036
WBR *(d)*	1	1600	257	299	265	306	0.161	0.187	0.166	0.191
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.509**	**0.580**	**0.545**	**0.616**
					SCENARIO LEVEL OF SERVICE:		**A**	**A**	**A**	**B**

NOTES:

RTOR: *(a) 46%*
(b) 39%
(c) 80%
(d) 32%. Not critical due to overlap arrow with southbound lefts.

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 10_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BRADLEY ROAD***

E/W STREET: ***US 101 SB-COLUMBIA***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**58**	**580**	**104**	**370**	**419**	**44**	**71**	**69**	**50**	**412**	**73**	**248**
(B)	PROJECT-ADDED:	**0**	**52**	**33**	**0**	**0**	**0**	**0**	**0**	**0**	**87**	**0**	**87**
(C)	CUMULATIVE:	**61**	**638**	**99**	**378**	**489**	**45**	**66**	**72**	**58**	**448**	**69**	**252**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
	L T TR	L TT R	L T TR	L T R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	58	58	61	61	0.036	0.036	0.038	0.038
NBT	2	3200	580	632	638	690	0.181 *	0.198 *	0.199 *	0.216 *
NBR *(a)*	1	1600	83	110	79	106	0.052	0.069	0.049	0.066
SBL	1	1600	370	370	378	378	0.231 *	0.231 *	0.236 *	0.236 *
SBT	2	3200	419	419	489	489	0.131	0.131	0.153	0.153
SBR *(b)*	1	1600	15	15	15	15	0.009	0.009	0.009	0.009
EBL	1	1600	71	71	66	66	0.044	0.044	0.041	0.041
EBT	2	3200	69	69	72	72	0.027 *	0.027 *	0.028 *	0.028 *
EBR *(c)*	0	0	16	16	19	19	-	-	-	-
WBL	1	1600	412	499	448	535	0.258 *	0.312 *	0.280 *	0.334 *
WBT	1	1600	73	73	69	69	0.046	0.046	0.043	0.043
WBR *(d)*	1	1600	164	221	166	224	0.103	0.138	0.104	0.140
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.797**	**0.868**	**0.843**	**0.914**
					SCENARIO LEVEL OF SERVICE:		**C**	**D**	**D**	**E**

NOTES:

RTOR: *(a) 20%*
(b) 66%
(c) 68%
(d) 34%. Not critical due to overlap arrow with southbound lefts.

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 10_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BRADLEY ROAD*** **MITIGATED WITH OFF-RAMP RESTRIPING**

E/W STREET: ***US 101 SB-COLUMBIA***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**58**	**580**	**104**	**370**	**419**	**44**	**71**	**69**	**50**	**412**	**73**	**248**
(B)	PROJECT-ADDED:	**0**	**52**	**33**	**0**	**0**	**0**	**0**	**0**	**0**	**87**	**0**	**87**
(C)	CUMULATIVE:	**61**	**638**	**99**	**378**	**489**	**45**	**66**	**72**	**58**	**448**	**69**	**252**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L TT R	EAST BOUND L T TR	WEST BOUND L LT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	58	58	61	61	0.036	0.036	0.038	0.038
NBT	2	3200	580	632	638	690	0.181 *	0.198 *	0.199 *	0.216 *
NBR *(a)*	1	1600	83	110	79	106	0.052	0.069	0.049	0.066
SBL	1	1600	370	370	378	378	0.231 *	0.231 *	0.236 *	0.236 *
SBT	2	3200	419	419	489	489	0.131	0.131	0.153	0.153
SBR *(b)*	1	1600	15	15	15	15	0.009	0.009	0.009	0.009
EBL	1	1600	71	71	66	66	0.044	0.044	0.041	0.041
EBT	2	3200	69	69	72	72	0.027 *	0.027 *	0.028 *	0.028 *
EBR *(c)*	0	0	16	16	19	19	-	-	-	-
WBL	0	0	412	499	448	535	-	-	-	-
WBT	2	3200	73	73	69	69	0.152 *	0.179 *	0.162 *	0.189 *
WBR *(d)*	1	1600	164	221	166	224	0.103	0.138	0.104	0.140
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.691**	**0.735**	**0.725**	**0.769**
					SCENARIO LEVEL OF SERVICE:		**B**	**C**	**C**	**C**

NOTES:

RTOR: *(a) 20%*
(b) 66%
(c) 68%
(d) 34%. Not critical due to overlap arrow with southbound lefts.

Printed: 05/31/19

#19016 - AQUISTAPACE SP REF: 11_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *9/6/2018*

TIME PERIOD: ***AM PEAK HOUR***

N/S STREET: ***BLOSSER ROAD***

E/W STREET: ***BATTLES ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**51**	**529**	**100**	**55**	**630**	**143**	**168**	**267**	**54**	**96**	**147**	**100**
(B)	PROJECT-ADDED:	**9**	**-45**	**87**	**-39**	**-60**	**8**	**-13**	**23**	**2**	**133**	**-1**	**-90**
(C)	CUMULATIVE:	**59**	**555**	**100**	**46**	**660**	**183**	**178**	**314**	**73**	**134**	**194**	**83**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	51	60	59	68	0.032 *	0.038 *	0.037 *	0.043 *
NBT	2	3200	529	484	555	510	0.183	0.184	0.191	0.192
NBR *(a)*	0	0	56	105	56	105	-	-	-	-
SBL	1	1600	55	16	46	7	0.034	0.010	0.029	0.004
SBT	2	3200	630	570	660	600	0.225 *	0.208 *	0.242 *	0.224 *
SBR *(b)*	0	0	89	94	113	118	-	-	-	-
EBL	1	1600	168	155	178	165	0.105 *	0.097	0.111	0.103
EBT	2	3200	267	290	314	337	0.093	0.100 *	0.111 *	0.118 *
EBR *(c)*	0	0	30	31	41	42	-	-	-	-
WBL	1	1600	96	229	134	267	0.060	0.143 *	0.084 *	0.167 *
WBT	2	3200	147	146	194	193	0.061 *	0.047	0.073	0.059
WBR *(d)*	0	0	47	5	39	-3	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.523**	**0.589**	**0.574**	**0.652**
					SCENARIO LEVEL OF SERVICE:		**A**	**A**	**A**	**B**

NOTES:

RTOR: *(a) 44%*
(b) 38%
(c) 44%
(d) 53%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 11_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *09/06/2018*

TIME PERIOD: *PM PEAK HOUR*

N/S STREET: *BLOSSER ROAD*

E/W STREET: *BATTLES ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**89**	**705**	**163**	**188**	**611**	**151**	**190**	**266**	**31**	**139**	**232**	**86**
(B)	PROJECT-ADDED:	**8**	**-49**	**99**	**-77**	**-32**	**-5**	**-12**	**21**	**4**	**101**	**18**	**-68**
(C)	CUMULATIVE:	**107**	**765**	**163**	**170**	**655**	**205**	**223**	**358**	**48**	**161**	**314**	**109**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	89	97	107	115	0.056	0.061	0.067	0.072
NBT	2	3200	705	656	765	716	0.256 *	0.262 *	0.275 *	0.281 *
NBR *(a)*	0	0	114	183	114	183	-	-	-	-
SBL	1	1600	188	111	170	93	0.118 *	0.069 *	0.106 *	0.058 *
SBT	2	3200	611	579	655	623	0.223	0.212	0.248	0.237
SBR *(b)*	0	0	103	99	139	136	-	-	-	-
EBL	1	1600	190	178	223	211	0.119 *	0.111	0.139 *	0.132
EBT	2	3200	266	287	358	379	0.087	0.094 *	0.118	0.125 *
EBR *(c)*	0	0	12	14	19	20	-	-	-	-
WBL	1	1600	139	240	161	262	0.087	0.150 *	0.101	0.164 *
WBT	2	3200	232	250	314	332	0.087 *	0.081	0.116 *	0.110
WBR *(d)*	0	0	45	9	57	21	-	-	-	-
			LOST TIME:				0.100 *	0.100 *	0.100 *	0.100 *
			TOTAL INTERSECTION CAPACITY UTILIZATION:				**0.680**	**0.675**	**0.736**	**0.728**
			SCENARIO LEVEL OF SERVICE:				**B**	**B**	**C**	**C**

NOTES:

RTOR: *(a) 30%*
(b) 32%
(c) 61%
(d) 48%

Printed 05/28/19

HCS7 Two-Way Stop-Control Report

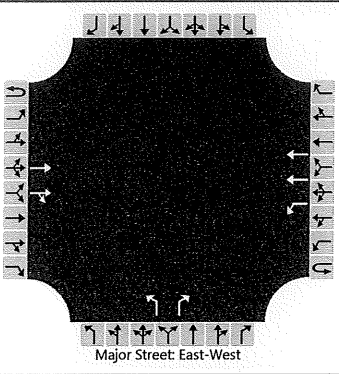
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	AM PEAK HOUR
Intersection Orientation	East-West
Project Description	EXISTING CONDITIONS

Site Information

Intersection	BATTLES/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	WESTERN
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			T	TR		L	T			L		R				
Volume (veh/h)			597	6	0	189	403			14		208				
Percent Heavy Vehicles (%)					3	3				3		3				
Proportion Time Blocked																
Percent Grade (%)										0						
Right Turn Channelized										No						
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.16				6.86		6.96				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.23				3.53		3.33				

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						189				14		208				
Capacity, c (veh/h)						964				146		692				
v/c Ratio						0.20				0.10		0.30				
95% Queue Length, Q_{95} (veh)						0.7				0.3		1.3				
Control Delay (s/veh)						9.6				32.2		12.4				
Level of Service (LOS)						A				D		B				
Approach Delay (s/veh)					3.1				13.7							
Approach LOS									B							

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AWD = 11.8 SEC = LOS B

HCS7 Two-Way Stop-Control Report

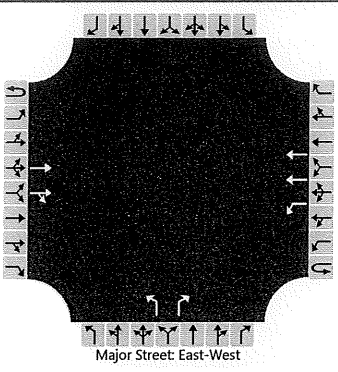
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	PM PEAK HOUR
Intersection Orientation	East-West
Project Description	EXISTING CONDITIONS

Site Information

Intersection	BATTLES/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	WESTERN
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			T	TR		L	T			L		R				
Volume (veh/h)			527	12	0	170	480			6		136				
Percent Heavy Vehicles (%)					3	3				3		3				
Proportion Time Blocked																
Percent Grade (%)										0						
Right Turn Channelized										No						
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.16				6.86		6.96				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.23				3.53		3.33				

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						170				6		136				
Capacity, c (veh/h)						1019				167		725				
v/c Ratio						0.17				0.04		0.19				
95% Queue Length, Q_{95} (veh)						0.6				0.1		0.7				
Control Delay (s/veh)						9.2				27.3		11.1				
Level of Service (LOS)						A				D		B				
Approach Delay (s/veh)					2.4				11.8							
Approach LOS									B							

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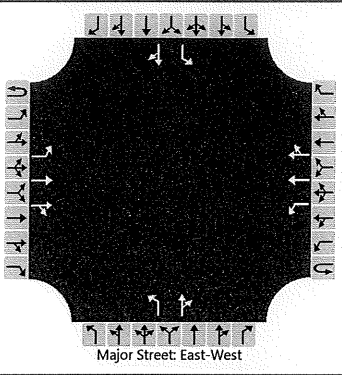
AWD = 10.4 SEC = LOS B

HCS7 Two-Way Stop-Control Report

General Information		Site Information	
Analyst	DLD	Intersection	BATTLES/WESTERN
Agency/Co.	ATE	Jurisdiction	SANTA MARIA
Date Performed	5/7/2019	East/West Street	BATTLES
Analysis Year		North/South Street	WESTERN
Time Analyzed	AM PEAK HOUR	Peak Hour Factor	1.00
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	EXISTING + PROJECT		

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	1	2	0		1	1	0		1	1	0
Configuration		L	T	TR		L	T	TR		L		TR		L		TR
Volume (veh/h)	0	45	625	4	0	174	343	158		12	75	202		217	121	74
Percent Heavy Vehicles (%)	3	3			3	3				3	3	3		3	3	3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1				4.1				7.5	6.5	6.9		7.5	6.5	6.9
Critical Headway (sec)		4.16				4.16				7.56	6.56	6.96		7.56	6.56	6.96
Base Follow-Up Headway (sec)		2.2				2.2				3.5	4.0	3.3		3.5	4.0	3.3
Follow-Up Headway (sec)		2.23				2.23				3.53	4.03	3.33		3.53	4.03	3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		45				174				12		277		217		195
Capacity, c (veh/h)		1052				942						235		21		142
v/c Ratio		0.04				0.18						1.18		10.52		1.37
95% Queue Length, Q_{95} (veh)		0.1				0.7						13.1		27.5		12.5
Control Delay (s/veh)		8.6				9.7						158.9		4649.4		264.8
Level of Service (LOS)		A				A						F		F		F
Approach Delay (s/veh)	0.6				2.5								2574.2			
Approach LOS													F			

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AWD = > 50 SEC = LOS F

HCS7 Two-Way Stop-Control Report

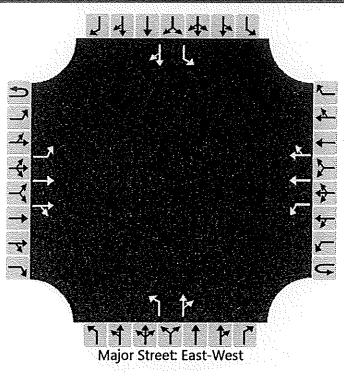
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	PM PEAK HOUR
Intersection Orientation	East-West
Project Description	EXISTING + PROJECT

Site Information

Intersection	BATTLES/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	WESTERN
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	1	2	0		1	1	0		1	1	0
Configuration		L	T	TR		L	T	TR		L		TR		L		TR
Volume (veh/h)	0	63	512	6	0	162	471	229		4	140	127		185	90	62
Percent Heavy Vehicles (%)	3	3			3	3				3	3	3		3	3	3
Proportion Time Blocked																
Percent Grade (%)										0				0		
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1				4.1				7.5	6.5	6.9		7.5	6.5	6.9
Critical Headway (sec)		4.16				4.16				7.56	6.56	6.96		7.56	6.56	6.96
Base Follow-Up Headway (sec)		2.2				2.2				3.5	4.0	3.3		3.5	4.0	3.3
Follow-Up Headway (sec)		2.23				2.23				3.53	4.03	3.33		3.53	4.03	3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		63				162				4		267		185		152
Capacity, c (veh/h)		886				1037						130				135
v/c Ratio		0.07				0.16						2.06				1.13
95% Queue Length, Q_{95} (veh)		0.2				0.6						21.7				8.7
Control Delay (s/veh)		9.4				9.1						556.8				181.2
Level of Service (LOS)		A				A						F				F
Approach Delay (s/veh)	1.0				1.7											
Approach LOS																

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12 EX + PROJECT PM.xtw

Generated: 5/24/2019 2:35:00 PM

AWD = > 50 SEC = LOS F

HCS7 Two-Way Stop-Control Report

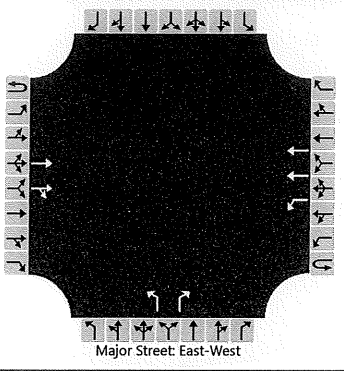
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	AM PEAK HOUR
Intersection Orientation	East-West
Project Description	CUMULATIVE

Site Information

Intersection	BATTLES/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	WESTERN
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			T	TR		L	T			L		R				
Volume (veh/h)			634	8	0	230	466			18		243				
Percent Heavy Vehicles (%)					3	3				3		3				
Proportion Time Blocked																
Percent Grade (%)										0						
Right Turn Channelized										No						
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.16				6.86		6.96				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.23				3.53		3.33				

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						230				18		243				
Capacity, c (veh/h)						932				109		672				
v/c Ratio						0.25				0.17		0.36				
95% Queue Length, Q_{95} (veh)						1.0				0.6		1.6				
Control Delay (s/veh)						10.1				44.5		13.4				
Level of Service (LOS)						B				E		B				
Approach Delay (s/veh)					3.3				15.5							
Approach LOS									C							

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AWD = 13.0 sec = LOS B

HCS7 Two-Way Stop-Control Report

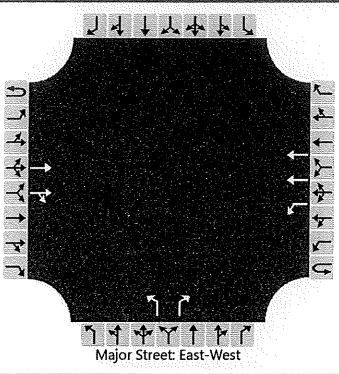
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	PM PEAK HOUR
Intersection Orientation	East-West
Project Description	CUMULATIVE

Site Information

Intersection	BATTLES/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	WESTERN
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			T	TR		L	T			L		R				
Volume (veh/h)			580	33	0	233	605			7		213				
Percent Heavy Vehicles (%)					3	3				3		3				
Proportion Time Blocked																
Percent Grade (%)										0						
Right Turn Channelized										No						
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.16				6.86		6.96				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.23				3.53		3.33				

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						233				7		213				
Capacity, c (veh/h)						955				104		686				
v/c Ratio						0.24				0.07		0.31				
95% Queue Length, Q_{95} (veh)						1.0				0.2		1.3				
Control Delay (s/veh)						10.0				42.2		12.6				
Level of Service (LOS)						A				E		B				
Approach Delay (s/veh)					2.8				13.5							
Approach LOS									B							

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AWD = 11.7 SEC = LOS B

HCS7 Two-Way Stop-Control Report

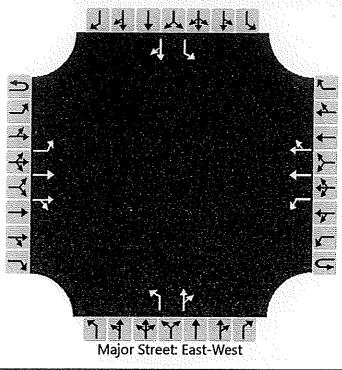
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	AM PEAK HOUR
Intersection Orientation	East-West
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	BATTLES/WESTERN
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	WESTERN
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes


Major Street: East-West

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	1	2	0		1	1	0		1	1	0
Configuration		L	T	TR		L	T	TR		L		TR		L		TR
Volume (veh/h)	0	45	662	6	0	215	406	0		16	75	237		217	121	74
Percent Heavy Vehicles (%)	3	3			3	3				3	3	3		3	3	3
Proportion Time Blocked																
Percent Grade (%)										0				0		
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1				4.1				7.5	6.5	6.9		7.5	6.5	6.9
Critical Headway (sec)		4.16				4.16				7.56	6.56	6.96		7.56	6.56	6.96
Base Follow-Up Headway (sec)		2.2				2.2				3.5	4.0	3.3		3.5	4.0	3.3
Follow-Up Headway (sec)		2.23				2.23				3.53	4.03	3.33		3.53	4.03	3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		45				215				16		312		217		195
Capacity, c (veh/h)		1142				911						235		7		117
v/c Ratio		0.04				0.24						1.33		29.65		1.66
95% Queue Length, Q_{95} (veh)		0.1				0.9						16.7		29.0		14.7
Control Delay (s/veh)		8.3				10.2						215.7		13879.1		397.9
Level of Service (LOS)		A				B						F		F		F
Approach Delay (s/veh)	0.5				3.5								7498.4			
Approach LOS													F			

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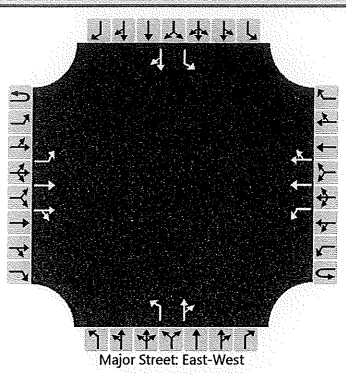
AWD > 50 sec = LOS F

HCS7 Two-Way Stop-Control Report

General Information		Site Information	
Analyst	DLD	Intersection	BATTLES/WESTERN
Agency/Co.	ATE	Jurisdiction	SANTA MARIA
Date Performed	5/7/2019	East/West Street	BATTLES
Analysis Year		North/South Street	WESTERN
Time Analyzed	PM PEAK HOUR	Peak Hour Factor	1.00
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	CUMULATIVE + PROJECT		

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	2	0	0	1	2	0		1	1	0		1	1	0
Configuration		L	T	TR		L	T	TR		L		TR		L		TR
Volume (veh/h)	0	63	565	27	0	225	596	0		5	140	204		185	90	62
Percent Heavy Vehicles (%)	3	3			3	3				3	3	3		3	3	3
Proportion Time Blocked																
Percent Grade (%)										0				0		
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1				4.1				7.5	6.5	6.9		7.5	6.5	6.9
Critical Headway (sec)		4.16				4.16				7.56	6.56	6.96		7.56	6.56	6.96
Base Follow-Up Headway (sec)		2.2				2.2				3.5	4.0	3.3		3.5	4.0	3.3
Follow-Up Headway (sec)		2.23				2.23				3.53	4.03	3.33		3.53	4.03	3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		63				225				5		344		185		152
Capacity, c (veh/h)		970				973						132				94
v/c Ratio		0.06				0.23						2.61				1.61
95% Queue Length, Q_{95} (veh)		0.2				0.9						30.7				12.0
Control Delay (s/veh)		9.0				9.8						800.4				396.2
Level of Service (LOS)		A				A						F				F
Approach Delay (s/veh)	0.9				2.7											
Approach LOS																

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AWD = 750 SEC = LOS F

#19016 - AQUISTAPACE SP

REF: 12 AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *WESTERN AVENUE*

E/W STREET: *BATTLES ROAD*

CONTROL TYPE: *SIGNAL*

MITIGATED WITH TRAFFIC SIGNALS

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**14**	**0**	**208**	**0**	**0**	**0**	**0**	**597**	**6**	**189**	**403**	**0**
(B)	PROJECT-ADDED:	**-2**	**75**	**6**	**217**	**121**	**74**	**45**	**28**	**-2**	**-15**	**-60**	**158**
(C)	CUMULATIVE:	**18**	**0**	**243**	**0**	**0**	**0**	**0**	**634**	**8**	**230**	**466**	**0**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
	L TR	L TR	L T TR	L T TR

TRAFFIC SCENARIOS

SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)

SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 2	SCENARIO VOLUMES 4	SCENARIO V/C RATIOS 2	SCENARIO V/C RATIOS 4
NBL	1	1600	12	16	0.008	0.010
NBT	1	1600	75	75	0.181 *	0.203 *
NBR *(a)*	0	0	214	249	-	-
SBL	1	1600	217	217	0.136 *	0.136 *
SBT	1	1600	121	121	0.122	0.122
SBR *(b)*	0	0	74	74	-	-
EBL	1	1600	45	45	0.028	0.028
EBT	2	3200	625	662	0.197 *	0.209 *
EBR *(c)*	0	0	4	6	-	-
WBL	1	1600	174	215	0.109 *	0.134 *
WBT	2	3200	343	406	0.157	0.176
WBR *(d)*	0	0	158	158	-	-
			LOST TIME:		0.100 *	0.100 *
			TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.723**	**0.782**
			SCENARIO LEVEL OF SERVICE:		**C**	**C**

NOTES:

Printed: 05/31/19

#19016 - AQUISTAPACE SP REF: 12 PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

TIME PERIOD: *PM PEAK HOUR*

N/S STREET: *WESTERN AVENUE* MITIGATED WITH TRAFFIC SIGNALS

E/W STREET: *BATTLES ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	6	0	136	0	0	0	0	527	12	170	480	0
(B)	PROJECT-ADDED:	-2	140	-9	185	90	62	63	-15	-6	-8	-9	229
(C)	CUMULATIVE:	7	0	213	0	0	0	0	580	33	236	605	0

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L TR	SOUTH BOUND L TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)

SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 2	4	SCENARIO V/C RATIOS 2		4	
NBL	1	1600	4	5	0.003		0.003	
NBT	1	1600	140	140	0.167	*	0.215	*
NBR (a)	0	0	127	204	-		-	
SBL	1	1600	185	185	0.116	*	0.116	*
SBT	1	1600	90	90	0.095		0.095	
SBR (b)	0	0	62	62	-		-	
EBL	1	1600	63	63	0.039		0.039	
EBT	2	3200	512	565	0.162	*	0.185	*
EBR (c)	0	0	6	27	-		-	
WBL	1	1600	162	228	0.101	*	0.143	*
WBT	2	3200	471	596	0.219		0.258	
WBR (d)	0	0	229	229	-		-	
				LOST TIME:	0.100	*	0.100	*
				TOTAL INTERSECTION CAPACITY UTILIZATION:	**0.646**		**0.759**	
				SCENARIO LEVEL OF SERVICE:	**B**		**C**	

NOTES:

Printed: 05/30/19

#19016 - AQUISTAPACE SP REF: 13_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***AM PEAK HOUR***

N/S STREET: ***DEPOT STREET***

E/W STREET: ***BATTLES ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	135	128	15	60	121	147	188	488	125	15	305	59
(B)	PROJECT-ADDED:	-7	12	0	7	4	51	45	216	-21	0	39	50
(C)	CUMULATIVE:	135	155	14	61	141	241	240	503	129	15	315	86

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	135	128	135	128	0.084 *	0.080 *	0.084 *	0.080 *
NBT	2	3200	128	140	155	167	0.043	0.047	0.051	0.055
NBR *(a)*	0	0	9	9	8	8	-	-	-	-
SBL	1	1600	60	67	61	68	0.038	0.042	0.038	0.043
SBT	2	3200	121	125	141	145	0.068 *	0.080 *	0.094 *	0.106 *
SBR *(b)*	0	0	97	131	159	193	-	-	-	-
EBL	1	1600	188	233	240	285	0.118 *	0.146 *	0.150 *	0.178 *
EBT	2	3200	488	704	503	719	0.187	0.249	0.193	0.254
EBR *(c)*	0	0	110	92	114	95	-	-	-	-
WBL	1	1600	15	15	15	15	0.009	0.009	0.009	0.009
WBT	2	3200	305	344	315	354	0.109 *	0.133 *	0.119 *	0.143 *
WBR *(d)*	0	0	44	82	65	102	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.479**	**0.539**	**0.547**	**0.607**
					SCENARIO LEVEL OF SERVICE:		**A**	**A**	**A**	**B**

NOTES:

RTOR: *(a) 40%*
(b) 34%
(c) 12%
(d) 25%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 13_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***DEPOT STREET***

E/W STREET: ***BATTLES ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**94**	**213**	**21**	**130**	**198**	**184**	**150**	**442**	**102**	**21**	**366**	**178**
(B)	PROJECT-ADDED:	**0**	**0**	**0**	**31**	**-5**	**43**	**2**	**157**	**2**	**0**	**169**	**61**
(C)	CUMULATIVE:	**114**	**252**	**15**	**160**	**208**	**299**	**203**	**495**	**127**	**22**	**424**	**194**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	94	94	114	114	0.059 *	0.059	0.071 *	0.071 *
NBT	2	3200	213	213	252	252	0.071	0.071 *	0.082	0.082
NBR (a)	0	0	14	14	10	10	-	-	-	-
SBL	1	1600	130	161	160	191	0.081	0.101 *	0.100	0.119
SBT	2	3200	198	193	208	203	0.100 *	0.108	0.128 *	0.135 *
SBR (b)	0	0	123	152	200	229	-	-	-	-
EBL	1	1600	150	152	203	205	0.094 *	0.095 *	0.127 *	0.128 *
EBT	2	3200	442	599	495	652	0.166	0.216	0.190	0.239
EBR (c)	0	0	90	92	112	114	-	-	-	-
WBL	1	1600	21	21	22	22	0.013	0.013	0.014	0.014
WBT	2	3200	366	535	424	593	0.149 *	0.214 *	0.171 *	0.236 *
WBR (d)	0	0	112	151	122	161	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.502**	**0.581**	**0.597**	**0.670**
					SCENARIO LEVEL OF SERVICE:		**A**	**A**	**A**	**B**

NOTES:

RTOR: *(a) 33%*
(b) 33%
(c) 12%
(d) 27%

Printed: 05/24/19

HCS7 All-Way Stop Control Report

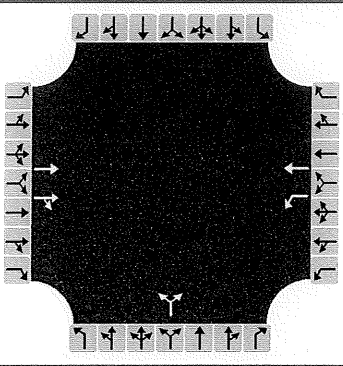
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	EXISTING CONDITIONS

Site Information

Intersection	BATTLES/THORNBURG
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	THORNBURG
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume		505	55	75	294		90		107			
% Thrus in Shared Lane			50									
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	T	TR		L	T		LR					
Flow Rate, v (veh/h)	253	308		75	294		197					
Percent Heavy Vehicles	2	2		2	2		2					

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20					
Initial Degree of Utilization, x	0.224	0.273		0.067	0.261		0.175					
Final Departure Headway, hd (s)	5.62	5.49		6.33	5.82		5.72					
Final Degree of Utilization, x	0.394	0.469		0.132	0.476		0.313					
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0					
Service Time, ts (s)	3.32	3.19		4.03	3.52		3.72					

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	253	308		75	294		197					
Capacity	641	656		569	618		629					
95% Queue Length, Q_{95} (veh)	1.9	2.5		0.5	2.6		1.3					
Control Delay (s/veh)	11.9	12.9		10.0	13.7		11.3					
Level of Service, LOS	B	B		A	B		B					
Approach Delay (s/veh)	12.5			12.9			11.3					
Approach LOS	B			B			B					
Intersection Delay, s/veh | LOS	12.4						B					

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HCS7 All-Way Stop Control Report

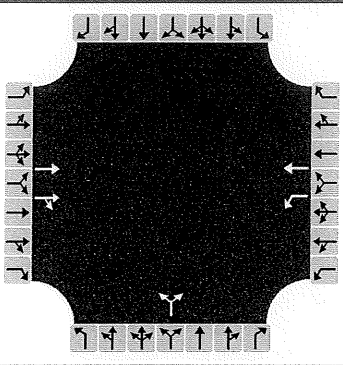
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	EXISTING CONDITIONS

Site Information

Intersection	BATTLES/THORNBURG
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	THORNBURG
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume		476	91	153	474		142		150			
% Thrus in Shared Lane			50									
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	T	TR		L	T		LR					
Flow Rate, v (veh/h)	238	329		153	474		292					
Percent Heavy Vehicles	2	2		2	2		2					

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20					
Initial Degree of Utilization, x	0.212	0.292		0.136	0.421		0.260					
Final Departure Headway, hd (s)	6.52	6.33		6.92	6.41		6.36					
Final Degree of Utilization, x	0.431	0.578		0.294	0.844		0.516					
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0					
Service Time, ts (s)	4.22	4.03		4.62	4.11		4.36					

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	238	329		153	474		292					
Capacity	552	569		520	562		566					
95% Queue Length, Q_{95} (veh)	2.2	3.7		1.2	8.9		2.9					
Control Delay (s/veh)	14.1	17.3		12.5	34.5		15.9					
Level of Service, LOS	B	C		B	D		C					
Approach Delay (s/veh)	16.0			29.1			15.9					
Approach LOS	C			D			C					
Intersection Delay, s/veh | LOS	21.5						C					

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HCS7 All-Way Stop Control Report

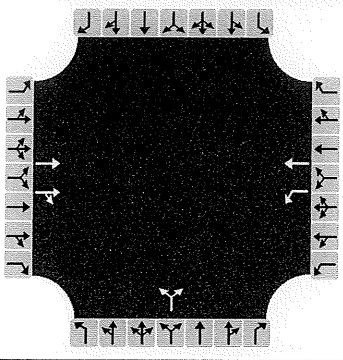
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	EXISTING + PROJECT

Site Information

Intersection	BATTLES/THORNBURG
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	THORNBURG
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume		721	55	75	435		90		107			
% Thrus in Shared Lane			50									
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	T	TR		L	T		LR					
Flow Rate, v (veh/h)	361	416		75	435		197					
Percent Heavy Vehicles	2	2		2	2		2					

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20					
Initial Degree of Utilization, x	0.320	0.369		0.067	0.387		0.175					
Final Departure Headway, hd (s)	5.92	5.82		6.73	6.22		6.34					
Final Degree of Utilization, x	0.592	0.672		0.140	0.752		0.347					
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0					
Service Time, ts (s)	3.62	3.52		4.43	3.92		4.34					

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	361	416		75	435		197					
Capacity	609	618		535	578		567					
95% Queue Length, Q_{95} (veh)	3.9	5.1		0.5	6.6		1.5					
Control Delay (s/veh)	16.8	19.6		10.5	25.4		12.7					
Level of Service, LOS	C	C		B	D		B					
Approach Delay (s/veh)	18.3			23.2			12.7					
Approach LOS	C			C			B					
Intersection Delay, s/veh | LOS	19.2						C					

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HCS7 All-Way Stop Control Report

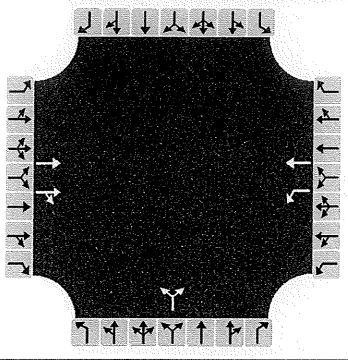
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	EXISTING + PROJECT

Site Information

Intersection	BATTLES/THORNBURG
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	THORNBURG
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume		653	95	153	677		142		150			
% Thrus in Shared Lane			50									
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	T	TR		L	T		LR					
Flow Rate, v (veh/h)	327	422		153	677		292					
Percent Heavy Vehicles	2	2		2	2		2					

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20					
Initial Degree of Utilization, x	0.290	0.375		0.136	0.602		0.260					
Final Departure Headway, hd (s)	6.62	6.46		7.24	6.73		6.64					
Final Degree of Utilization, x	0.601	0.757		0.308	1.266		0.538					
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0					
Service Time, ts (s)	4.32	4.16		4.94	4.43		4.64					

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	327	422		153	677		292					
Capacity	544	557		497	535		543					
95% Queue Length, Q_{95} (veh)	3.9	6.7		1.3	27.1		3.2					
Control Delay (s/veh)	18.8	26.5		13.1	155.3		17.1					
Level of Service, LOS	C	D		B	F		C					
Approach Delay (s/veh)	23.1			129.1			17.1					
Approach LOS	C			F			C					
Intersection Delay, s/veh | LOS	69.2						F					

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AWD => 50 SEC = LOS F

HCS7 All-Way Stop Control Report

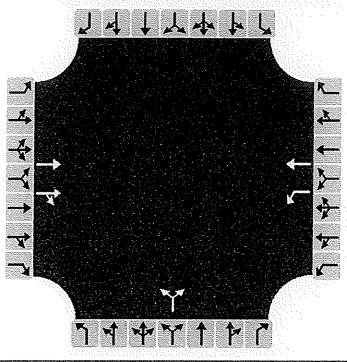
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	CUMULATIVE

Site Information

Intersection	BATTLES/THORNBURG
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	THORNBURG
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume		512	59	80	321		99		108			
% Thrus in Shared Lane			50									
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	T	TR		L	T		LR					
Flow Rate, v (veh/h)	256	315		80	321		207					
Percent Heavy Vehicles	2	2		2	2		2					

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20					
Initial Degree of Utilization, x	0.228	0.280		0.071	0.285		0.184					
Final Departure Headway, hd (s)	5.72	5.59		6.41	5.90		5.84					
Final Degree of Utilization, x	0.407	0.489		0.142	0.526		0.336					
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0					
Service Time, ts (s)	3.42	3.29		4.11	3.60		3.84					

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	256	315		80	321		207					
Capacity	630	645		562	610		616					
95% Queue Length, Q_{95} (veh)	2.0	2.7		0.5	3.1		1.5					
Control Delay (s/veh)	12.3	13.5		10.2	15.0		11.8					
Level of Service, LOS	B	B		B	B		B					
Approach Delay (s/veh)	13.0			14.0			11.8					
Approach LOS	B			B			B					
Intersection Delay, s/veh | LOS	13.1						B					

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HCS7 All-Way Stop Control Report

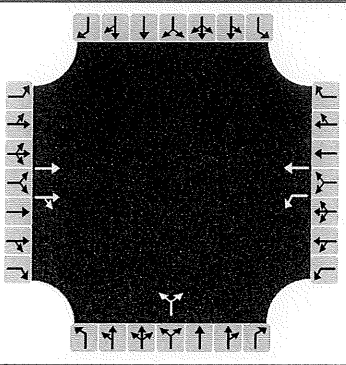
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	CUMULATIVE

Site Information

Intersection	BATTLES/THORNBURG
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	THORNBURG
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume		539	90	153	496		150		183			
% Thrus in Shared Lane			50									
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	T	TR		L	T		LR					
Flow Rate, v (veh/h)	270	360		153	496		333					
Percent Heavy Vehicles	2	2		2	2		2					

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20					
Initial Degree of Utilization, x	0.240	0.320		0.136	0.441		0.296					
Final Departure Headway, hd (s)	6.81	6.63		7.24	6.73		6.51					
Final Degree of Utilization, x	0.510	0.662		0.308	0.927		0.602					
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0					
Service Time, ts (s)	4.51	4.33		4.94	4.43		4.51					

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	270	360		153	496		333					
Capacity	529	543		497	535		553					
95% Queue Length, Q_{95} (veh)	2.9	4.9		1.3	11.4		4.0					
Control Delay (s/veh)	16.4	21.4		13.1	48.6		18.9					
Level of Service, LOS	C	C		B	E		C					
Approach Delay (s/veh)	19.2			40.2			18.9					
Approach LOS	C			E			C					
Intersection Delay, s/veh | LOS	27.6						D					

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HCS7 All-Way Stop Control Report

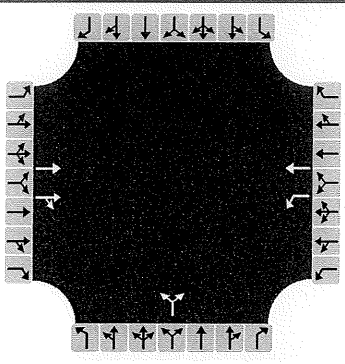
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	AM PEAK HOUR
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	BATTLES/THORNBURG
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	THORNBURG
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume		728	59	80	462		104		108			
% Thrus in Shared Lane			50									
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	T	TR		L	T		LR					
Flow Rate, v (veh/h)	364	423		80	462		212					
Percent Heavy Vehicles	2	2		2	2		2					

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20					
Initial Degree of Utilization, x	0.324	0.376		0.071	0.411		0.188					
Final Departure Headway, hd (s)	6.06	5.96		6.85	6.34		6.47					
Final Degree of Utilization, x	0.612	0.700		0.152	0.813		0.381					
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0					
Service Time, ts (s)	3.76	3.66		4.55	4.04		4.47					

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	364	423		80	462		212					
Capacity	594	604		526	568		556					
95% Queue Length, Q_{95} (veh)	4.1	5.6		0.5	8.1		1.8					
Control Delay (s/veh)	17.9	21.4		10.8	31.0		13.4					
Level of Service, LOS	C	C		B	D		B					
Approach Delay (s/veh)	19.7			28.0			13.4					
Approach LOS	C			D			B					
Intersection Delay, s/veh | LOS	21.8						C					

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HCS7 All-Way Stop Control Report

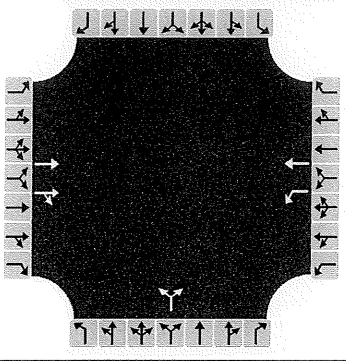
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Analysis Time Period (hrs)	0.25
Time Analyzed	PM PEAK HOUR
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	BATTLES/THORNBURG
Jurisdiction	SANTA MARIA
East/West Street	BATTLES
North/South Street	THORNBURG
Peak Hour Factor	1.00

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume		716	94	153	699		150		183			
% Thrus in Shared Lane			50									
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	T	TR		L	T		LR					
Flow Rate, v (veh/h)	358	452		153	699		333					
Percent Heavy Vehicles	2	2		2	2		2					

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20	3.20		3.20	3.20		3.20					
Initial Degree of Utilization, x	0.318	0.402		0.136	0.621		0.296					
Final Departure Headway, hd (s)	6.81	6.67		7.53	7.02		6.66					
Final Degree of Utilization, x	0.677	0.837		0.320	1.362		0.616					
Move-Up Time, m (s)	2.3	2.3		2.3	2.3		2.0					
Service Time, ts (s)	4.51	4.37		5.23	4.72		4.66					

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	358	452		153	699		333					
Capacity	528	540		478	513		541					
95% Queue Length, Q_{95} (veh)	5.1	8.6		1.4	31.6		4.1					
Control Delay (s/veh)	22.6	34.8		13.7	195.9		19.8					
Level of Service, LOS	C	D		B	F		C					
Approach Delay (s/veh)	29.4			163.2			19.8					
Approach LOS	D			F			C					
Intersection Delay, s/veh | LOS	84.9						F					

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#19016 - AQUISTAPACE SP REF: 14 PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

TIME PERIOD: *PM PEAK HOUR*

N/S STREET: *THORNBURG STREET* MITIGATED WITH TRAFFIC SIGNALS

E/W STREET: *BATTLES ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**142**	**0**	**150**	**0**	**0**	**0**	**0**	**476**	**91**	**153**	**474**	**0**
(B)	PROJECT-ADDED:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**177**	**4**	**0**	**203**	**0**
(C)	CUMULATIVE:	**150**	**0**	**183**	**0**	**0**	**0**	**0**	**539**	**90**	**153**	**496**	**0**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
	LR		T TR	L T

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS		# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL		0	0	142	142	150	150	-	-	-	-
NBT		1	1600	0	0	0	0	0.183 *	0.183 *	0.208 *	0.208 *
NBR	*(a)*	0	0	150	150	183	183	-	-	-	-
SBL		0	0	0	0	0	0	-	-	-	-
SBT		0	0	0	0	0	0	-	-	-	-
SBR	*(b)*	0	0	0	0	0	0	-	-	-	-
EBL		0	0	0	0	0	0	-	-	-	-
EBT		2	3200	476	653	539	716	0.177	0.234	0.197	0.253
EBR	*(c)*	0	0	91	95	90	94	-	-	-	-
WBL		1	1600	153	153	153	153	0.096	0.096	0.096	0.096
WBT		1	1600	474	677	496	699	0.296 *	0.423 *	0.310 *	0.437 *
WBR	*(d)*	0	0	0	0	0	0	-	-	-	-
							LOST TIME:	0.100 *	0.100 *	0.100 *	0.100 *
							TOTAL INTERSECTION CAPACITY UTILIZATION:	**0.579**	**0.706**	**0.618**	**0.745**
							SCENARIO LEVEL OF SERVICE:	**A**	**C**	**B**	**C**

NOTES:

Printed: 05/30/19

#19016 - AQUISTAPACE SP REF: 15_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***AM PEAK HOUR***

N/S STREET: ***BROADWAY***

E/W STREET: ***BATTLES ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	53	624	44	48	590	79	157	394	72	83	235	42
(B)	PROJECT-ADDED:	33	0	0	0	0	16	24	134	58	0	77	0
(C)	CUMULATIVE:	57	722	80	13	580	81	159	397	74	101	258	59

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L TT TR	SOUTH BOUND L TT TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	53	86	57	90	0.033 *	0.054 *	0.036 *	0.056 *
NBT	3	4800	624	624	722	722	0.136	0.136	0.162	0.162
NBR (a)	0	0	31	31	56	56	-	-	-	-
SBL	1	1600	48	48	13	13	0.030	0.030	0.008	0.008
SBT	3	4800	590	590	580	580	0.139 *	0.142 *	0.137 *	0.140 *
SBR (b)	0	0	75	90	77	92	-	-	-	-
EBL	1	1600	157	181	159	183	0.098	0.113	0.099	0.114
EBT	2	3200	394	528	397	531	0.142 *	0.200 *	0.144 *	0.201 *
EBR (c)	0	0	61	111	63	112	-	-	-	-
WBL	1	1600	83	83	101	101	0.052 *	0.052 *	0.063 *	0.063 *
WBT	2	3200	235	312	258	335	0.085	0.109	0.097	0.121
WBR (d)	0	0	37	37	52	52	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.466**	**0.548**	**0.480**	**0.560**
					SCENARIO LEVEL OF SERVICE:		A	A	A	A

NOTES:

RTOR: *(a) 30%*
(b) 5%
(c) 15%
(d) 12%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 15_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BROADWAY***

E/W STREET: ***BATTLES ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**153**	**1118**	**131**	**99**	**919**	**129**	**152**	**351**	**102**	**170**	**448**	**82**
(B)	PROJECT-ADDED:	**39**	**0**	**0**	**0**	**0**	**24**	**16**	**110**	**51**	**0**	**132**	**0**
(C)	CUMULATIVE:	**143**	**1123**	**138**	**102**	**994**	**102**	**192**	**395**	**111**	**170**	**489**	**99**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L TT TR	SOUTH BOUND L TT TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	153	192	143	182	0.096	0.120 *	0.089	0.114 *
NBT	3	4800	1118	1118	1123	1123	0.256 *	0.256	0.258 *	0.258
NBR (a)	0	0	111	111	117	117	-	-	-	-
SBL	1	1600	99	99	102	102	0.062 *	0.062	0.064 *	0.064
SBT	3	4800	919	919	994	994	0.216	0.220 *	0.226	0.231 *
SBR (b)	0	0	116	138	92	113	-	-	-	-
EBL	1	1600	152	168	192	208	0.095 *	0.105 *	0.120 *	0.130 *
EBT	2	3200	351	461	395	505	0.134	0.180	0.149	0.196
EBR (c)	0	0	77	115	83	122	-	-	-	-
WBL	1	1600	170	170	170	170	0.106	0.106	0.106	0.106
WBT	2	3200	448	580	489	621	0.163 *	0.205 *	0.181 *	0.222 *
WBR (d)	0	0	75	75	90	90	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.676**	**0.750**	**0.723**	**0.797**
					SCENARIO LEVEL OF SERVICE:		**B**	**C**	**C**	**C**

NOTES:

RTOR: *(a) 15%*
(b) 10%
(c) 25%
(d) 9%

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 16_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***AM PEAK HOUR***

N/S STREET: ***MILLER STREET***

E/W STREET: ***BATTLES ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**29**	**314**	**83**	**30**	**296**	**61**	**58**	**396**	**23**	**113**	**325**	**44**
(B)	PROJECT-ADDED:	**5**	**0**	**0**	**0**	**0**	**6**	**0**	**122**	**0**	**0**	**66**	**0**
(C)	CUMULATIVE:	**37**	**322**	**86**	**39**	**415**	**39**	**53**	**467**	**18**	**116**	**381**	**55**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	29	34	37	42	0.018	0.021	0.023 *	0.026 *
NBT	2	3200	314	314	322	322	0.118 *	0.118 *	0.121	0.121
NBR (a)	0	0	62	62	65	65	-	-	-	-
SBL	1	1600	30	30	39	39	0.019 *	0.019 *	0.024	0.024
SBT	2	3200	296	296	415	415	0.106	0.107	0.138 *	0.140 *
SBR (b)	0	0	43	47	27	32	-	-	-	-
EBL	1	1600	58	58	53	53	0.036	0.036	0.033	0.033
EBT	2	3200	396	518	467	589	0.128 *	0.166 *	0.149 *	0.188 *
EBR (c)	0	0	14	14	11	11	-	-	-	-
WBL	1	1600	113	113	116	116	0.071 *	0.071 *	0.073 *	0.073 *
WBT	2	3200	325	391	381	447	0.113	0.133	0.133	0.154
WBR (d)	0	0	36	36	45	45	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.436**	**0.474**	**0.483**	**0.527**
					SCENARIO LEVEL OF SERVICE:		**A**	**A**	**A**	**A**

NOTES:

RTOR: *(a) 25%*
(b) 30%
(c) 39%
(d) 18%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 16_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *3/28/2019*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***MILLER STREET***

E/W STREET: ***BATTLES ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**82**	**483**	**91**	**66**	**613**	**125**	**96**	**346**	**87**	**122**	**545**	**52**
(B)	PROJECT-ADDED:	**10**	**0**	**0**	**0**	**0**	**10**	**6**	**104**	**0**	**0**	**112**	**0**
(C)	CUMULATIVE:	**57**	**502**	**87**	**79**	**731**	**114**	**81**	**416**	**80**	**120**	**629**	**64**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND L T TR	WEST BOUND L T TR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	82	92	57	67	0.051 *	0.058 *	0.036 *	0.042 *
NBT	2	3200	483	483	502	502	0.172	0.172	0.177	0.177
NBR (a)	0	0	68	68	65	65	-	-	-	-
SBL	1	1600	66	66	79	79	0.041	0.041	0.049	0.049
SBT	2	3200	613	613	731	731	0.225 *	0.228 *	0.259 *	0.262 *
SBR (b)	0	0	108	116	98	107	-	-	-	-
EBL	1	1600	96	102	81	87	0.060 *	0.064 *	0.051 *	0.054 *
EBT	2	3200	346	450	416	520	0.128	0.160	0.148	0.181
EBR (c)	0	0	63	63	58	58	-	-	-	-
WBL	1	1600	122	122	120	120	0.076	0.076	0.075	0.075
WBT	2	3200	545	657	629	741	0.184 *	0.219 *	0.213 *	0.248 *
WBR (d)	0	0	43	43	53	53	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.620**	**0.669**	**0.659**	**0.706**
					SCENARIO LEVEL OF SERVICE:		**B**	**B**	**B**	**C**

NOTES:

RTOR: *(a) 25%*
(b) 14%
(c) 28%
(d) 17%

Printed: 05/24/19

HCS7 Two-Way Stop-Control Report

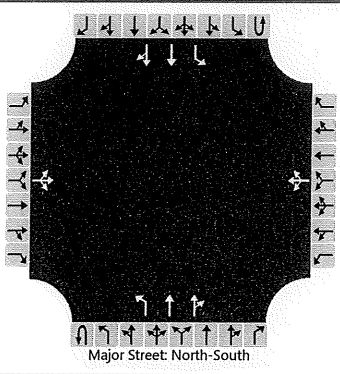
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	AM PEAK HOUR
Intersection Orientation	North-South
Project Description	EXISTING CONDITIONS

Site Information

Intersection	BLOSSER/SONYA
Jurisdiction	SANTA MARIA
East/West Street	SONYA
North/South Street	BLOSSER
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	1	0	0	1	2	0	0	1	2	0
Configuration			LTR				LTR			L	T	TR		L	T	TR
Volume (veh/h)		37	12	93		24	7	66	0	67	595	40	0	67	729	112
Percent Heavy Vehicles (%)		3	3	3		3	3	3	3	3			3	3		
Proportion Time Blocked																
Percent Grade (%)		0				0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		5.7	5.7	5.7		5.5	5.5	5.5		4.1				4.1		
Critical Headway (sec)		5.76	5.76	5.76		5.56	5.56	5.56		4.16				4.16		
Base Follow-Up Headway (sec)		2.5	2.5	2.5		2.5	2.5	2.5		2.2				2.2		
Follow-Up Headway (sec)		2.53	2.53	2.53		2.53	2.53	2.53		2.23				2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)			142				97			67				67		
Capacity, c (veh/h)			372				438			784				937		
v/c Ratio			0.38				0.22			0.09				0.07		
95% Queue Length, Q_{95} (veh)			1.7				0.8			0.3				0.2		
Control Delay (s/veh)			20.5				15.6			10.0				9.1		
Level of Service (LOS)			C				C			B				A		
Approach Delay (s/veh)	20.5				15.6				1.0				0.7			
Approach LOS	C				C											

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AWD = 15.3 sec = LOS C

HCS7 Two-Way Stop-Control Report

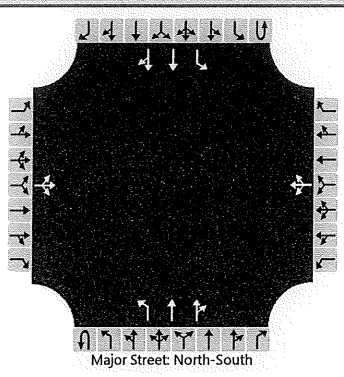
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	PM PEAK HOUR
Intersection Orientation	North-South
Project Description	EXISTING CONDITIONS

Site Information

Intersection	BLOSSER/SONYA
Jurisdiction	SANTA MARIA
East/West Street	SONYA
North/South Street	BLOSSER
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	1	0	0	1	2	0	0	1	2	0
Configuration			LTR				LTR			L	T	TR		L	T	TR
Volume (veh/h)		40	16	62		12	4	26	0	108	901	102	0	49	651	127
Percent Heavy Vehicles (%)		3	3	3		3	3	3	3	3			3	3		
Proportion Time Blocked																
Percent Grade (%)		0				0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		3.6	3.6	3.6		5.3	5.3	5.3		4.1				4.1		
Critical Headway (sec)		3.66	3.66	3.66		5.36	5.36	5.36		4.16				4.16		
Base Follow-Up Headway (sec)		2.0	2.0	2.0		2.0	2.0	2.0		2.2				2.2		
Follow-Up Headway (sec)		2.03	2.03	2.03		2.03	2.03	2.03		2.23				2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)			118				42			108				49		
Capacity, c (veh/h)			640				340			828				680		
v/c Ratio			0.18				0.12			0.13				0.07		
95% Queue Length, Q_{95} (veh)			0.7				0.4			0.4				0.2		
Control Delay (s/veh)			11.9				17.1			10.0				10.7		
Level of Service (LOS)			B				C			A				B		
Approach Delay (s/veh)		11.9				17.1				1.0				0.6		
Approach LOS		B				C										

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AWD = 11.8 LOS = B

HCS7 Two-Way Stop-Control Report

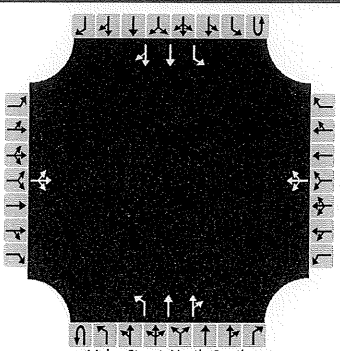
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	AM PEAK HOUR
Intersection Orientation	North-South
Project Description	EXISTING + PROJECT

Site Information

Intersection	BLOSSER/SONYA
Jurisdiction	SANTA MARIA
East/West Street	SONYA
North/South Street	BLOSSER
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	1	0	0	1	2	0	0	1	2	0
Configuration			LTR				LTR			L	T	TR		L	T	TR
Volume (veh/h)		36	12	94		22	7	63	0	68	642	40	0	65	807	111
Percent Heavy Vehicles (%)		3	3	3		3	3	3	3	3			3	3		
Proportion Time Blocked																
Percent Grade (%)		0				0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		5.7	5.7	5.7		5.5	5.5	5.5		4.1				4.1		
Critical Headway (sec)		5.76	5.76	5.76		5.56	5.56	5.56		4.16				4.16		
Base Follow-Up Headway (sec)		2.5	2.5	2.5		2.5	2.5	2.5		2.2				2.2		
Follow-Up Headway (sec)		2.53	2.53	2.53		2.53	2.53	2.53		2.23				2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)			142				92			68				65		
Capacity, c (veh/h)			333				393			733				900		
v/c Ratio			0.43				0.23			0.09				0.07		
95% Queue Length, Q_{95} (veh)			2.1				0.9			0.3				0.2		
Control Delay (s/veh)			23.6				16.9			10.4				9.3		
Level of Service (LOS)			C				C			B				A		
Approach Delay (s/veh)	23.6				16.9				0.9				0.6			
Approach LOS	C				C											

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HCS™ TWSC Version 7.8
17 EX + PROJECT AM.xtw

Generated: 5/23/2019 4:00:40 PM

AWD = 16.9 SEC = LOS C

HCS7 Two-Way Stop-Control Report

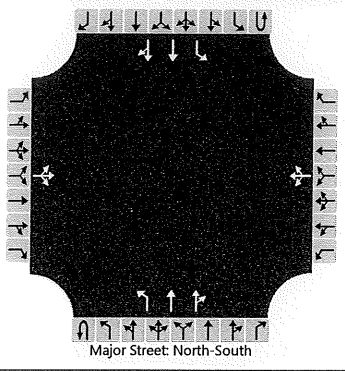
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	PM PEAK HOUR
Intersection Orientation	North-South
Project Description	EXISTING + PROJECT

Site Information

Intersection	BLOSSER/SONYA
Jurisdiction	SANTA MARIA
East/West Street	SONYA
North/South Street	BLOSSER
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	1	0	0	1	2	0	0	1	2	0
Configuration			LTR				LTR			L	T	TR		L	T	TR
Volume (veh/h)		44	14	63		12	4	24	0	109	957	104	0	49	723	128
Percent Heavy Vehicles (%)		3	3	3		3	3	3	3	3			3	3		
Proportion Time Blocked																
Percent Grade (%)		0				0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		3.6	3.6	3.6		5.3	5.3	5.3		4.1				4.1		
Critical Headway (sec)		3.66	3.66	3.66		5.36	5.36	5.36		4.16				4.16		
Base Follow-Up Headway (sec)		2.0	2.0	2.0		2.0	2.0	2.0		2.2				2.2		
Follow-Up Headway (sec)		2.03	2.03	2.03		2.03	2.03	2.03		2.23				2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)			121				40			109				49		
Capacity, c (veh/h)			594				290			777				646		
v/c Ratio			0.20				0.14			0.14				0.08		
95% Queue Length, Q_{95} (veh)			0.8				0.5			0.5				0.2		
Control Delay (s/veh)			12.6				19.4			10.4				11.0		
Level of Service (LOS)			B				C			B				B		
Approach Delay (s/veh)	12.6				19.4				1.0				0.6			
Approach LOS	B				C											

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AWD = 12.5 SEC = LOS B

HCS7 Two-Way Stop-Control Report

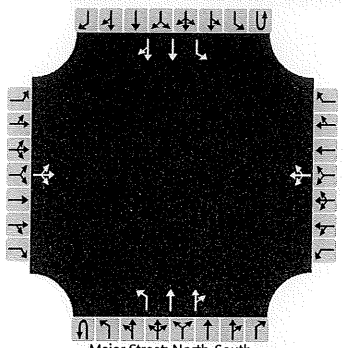
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	AM PEAK HOUR
Intersection Orientation	North-South
Project Description	CUMULATIVE

Site Information

Intersection	BLOSSER/SONYA
Jurisdiction	SANTA MARIA
East/West Street	SONYA
North/South Street	BLOSSER
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	1	0	0	1	2	0	0	1	2	0
Configuration			LTR				LTR			L	T	TR		L	T	TR
Volume (veh/h)		35	14	89		5	10	83	0	65	613	40	0	86	792	119
Percent Heavy Vehicles (%)		3	3	3		3	3	3	3	3			3	3		
Proportion Time Blocked																
Percent Grade (%)		0				0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		5.7	5.7	5.7		5.5	5.5	5.5		4.1				4.1		
Critical Headway (sec)		5.76	5.76	5.76		5.56	5.56	5.56		4.16				4.16		
Base Follow-Up Headway (sec)		2.5	2.5	2.5		2.5	2.5	2.5		2.2				2.2		
Follow-Up Headway (sec)		2.53	2.53	2.53		2.53	2.53	2.53		2.23				2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)			138				98			65				86		
Capacity, c (veh/h)			308				504			737				923		
v/c Ratio			0.45				0.19			0.09				0.09		
95% Queue Length, Q_{95} (veh)			2.2				0.7			0.3				0.3		
Control Delay (s/veh)			25.8				13.9			10.4				9.3		
Level of Service (LOS)			D				B			B				A		
Approach Delay (s/veh)	25.8				13.9				0.9				0.8			
Approach LOS	D				B											

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AWD = 16.5 sec = LOS C

HCS7 Two-Way Stop-Control Report

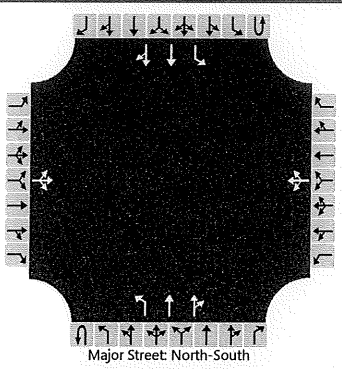
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	PM PEAK HOUR
Intersection Orientation	North-South
Project Description	CUMULATIVE

Site Information

Intersection	BLOSSER/SONYA
Jurisdiction	SANTA MARIA
East/West Street	SONYA
North/South Street	BLOSSER
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	1	0	0	1	2	0	0	1	2	0
Configuration			LTR				LTR			L	T	TR		L	T	TR
Volume (veh/h)		41	29	60		10	10	65	0	105	939	112	0	84	727	99
Percent Heavy Vehicles (%)		3	3	3		3	3	3	3	3			3	3		
Proportion Time Blocked																
Percent Grade (%)		0				0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		3.6	3.6	3.6		5.3	5.3	5.3		4.1				4.1		
Critical Headway (sec)		3.66	3.66	3.66		5.36	5.36	5.36		4.16				4.16		
Base Follow-Up Headway (sec)		2.0	2.0	2.0		2.0	2.0	2.0		2.2				2.2		
Follow-Up Headway (sec)		2.03	2.03	2.03		2.03	2.03	2.03		2.23				2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)			130				85			105				84		
Capacity, c (veh/h)			470				339			794				652		
v/c Ratio			0.28				0.25			0.13				0.13		
95% Queue Length, Q_{95} (veh)			1.1				1.0			0.5				0.4		
Control Delay (s/veh)			15.6				19.1			10.2				11.3		
Level of Service (LOS)			C				C			B				B		
Approach Delay (s/veh)	15.6				19.1				0.9				1.0			
Approach LOS	C				C											

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AWD = 13.1 SEC = LOS B

HCS7 Two-Way Stop-Control Report

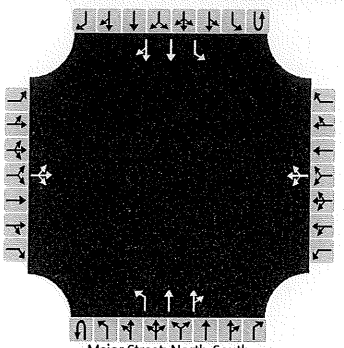
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	AM PEAK HOUR
Intersection Orientation	North-South
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	BLOSSER/SONYA
Jurisdiction	SANTA MARIA
East/West Street	SONYA
North/South Street	BLOSSER
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	1	0	0	1	2	0	0	1	2	0
Configuration			LTR				LTR			L	T	TR		L	T	TR
Volume (veh/h)		34	14	90		3	10	80	0	66	660	40	0	84	870	118
Percent Heavy Vehicles (%)		3	3	3		3	3	3	3	3			3	3		
Proportion Time Blocked																
Percent Grade (%)		0				0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		5.7	5.7	5.7		5.5	5.5	5.5		4.1				4.1		
Critical Headway (sec)		5.76	5.76	5.76		5.56	5.56	5.56		4.16				4.16		
Base Follow-Up Headway (sec)		2.5	2.5	2.5		2.5	2.5	2.5		2.2				2.2		
Follow-Up Headway (sec)		2.53	2.53	2.53		2.53	2.53	2.53		2.23				2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)			138				93			66				84		
Capacity, c (veh/h)			274				464			689				886		
v/c Ratio			0.50				0.20			0.10				0.09		
95% Queue Length, Q_{95} (veh)			2.6				0.7			0.3				0.3		
Control Delay (s/veh)			30.8				14.7			10.8				9.5		
Level of Service (LOS)			D				B			B				A		
Approach Delay (s/veh)		30.8				14.7				0.9				0.7		
Approach LOS		D				B										

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AWD = 18.7 sec = LOS C

HCS7 Two-Way Stop-Control Report

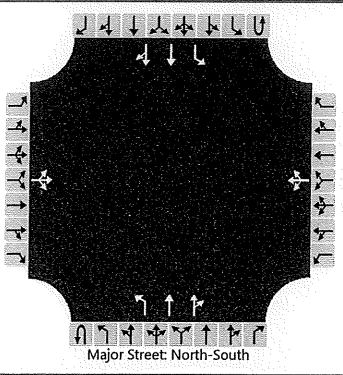
General Information

Analyst	DLD
Agency/Co.	ATE
Date Performed	5/7/2019
Analysis Year	
Time Analyzed	PM PEAK HOUR
Intersection Orientation	North-South
Project Description	CUMULATIVE + PROJECT

Site Information

Intersection	BLOSSER/SONYA
Jurisdiction	SANTA MARIA
East/West Street	SONYA
North/South Street	BLOSSER
Peak Hour Factor	1.00
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	1	0	0	1	2	0	0	1	2	0
Configuration			LTR				LTR			L	T	TR		L	T	TR
Volume (veh/h)		45	27	61		10	10	63	0	106	995	114	0	84	799	100
Percent Heavy Vehicles (%)		3	3	3		3	3	3	3	3			3	3		
Proportion Time Blocked																
Percent Grade (%)		0				0										
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		3.6	3.6	3.6		5.3	5.3	5.3		4.1				4.1		
Critical Headway (sec)		3.66	3.66	3.66		5.36	5.36	5.36		4.16				4.16		
Base Follow-Up Headway (sec)		2.0	2.0	2.0		2.0	2.0	2.0		2.2				2.2		
Follow-Up Headway (sec)		2.03	2.03	2.03		2.03	2.03	2.03		2.23				2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)			133				83			106				84		
Capacity, c (veh/h)			427				292			745				620		
v/c Ratio			0.31				0.28			0.14				0.14		
95% Queue Length, Q_{95} (veh)			1.3				1.1			0.5				0.5		
Control Delay (s/veh)			17.2				22.2			10.6				11.7		
Level of Service (LOS)			C				C			B				B		
Approach Delay (s/veh)	17.2				22.2				0.9				1.0			
Approach LOS	C				C											

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AWD = 15.4 SEC = LOS C

#19016 - AQUISTAPACE SP REF: 18_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *9/6/2018*

TIME PERIOD: ***AM PEAK HOUR***

N/S STREET: ***BLOSSER ROAD***

E/W STREET: ***CARMEN LANE***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

		NORTH BOUND			SOUTH BOUND			EAST BOUND			WEST BOUND		
VOLUMES		L	T	R	L	T	R	L	T	R	L	T	R
(A)	EXISTING:	47	568	105	20	727	30	73	22	121	184	22	30
(B)	PROJECT-ADDED:	1	49	0	0	76	-1	2	0	5	4	0	3
(C)	CUMULATIVE:	55	581	106	21	759	37	81	27	124	228	25	25

GEOMETRICS

	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
LANE GEOMETRICS	L T TR	L T TR	LT R	LTR

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	47	48	55	56	0.029 *	0.030 *	0.034 *	0.035 *
NBT	2	3200	568	617	581	630	0.207	0.223	0.211	0.227
NBR	0	0	95	95	95	95	-	-	-	-
SBL	1	1600	20	20	21	21	0.013	0.013	0.013	0.013
SBT	2	3200	727	803	759	835	0.235 *	0.258 *	0.247 *	0.270 *
SBR (a)	0	0	24	23	30	29	-	-	-	-
EBL	1	1600	73	75	81	83	0.046	0.047	0.051	0.052
EBT	1	1600	22	22	27	27	0.047 *	0.048 *	0.051 *	0.053 *
EBR (b)	0	0	53	55	55	57	-	-	-	-
WBL	1	1600	184	188	228	232	0.115 *	0.118 *	0.143 *	0.145 *
WBT	1	1600	22	22	25	25	0.019	0.020	0.021	0.021
WBR	0	0	9	10	8	8	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.526**	**0.554**	**0.575**	**0.603**
					SCENARIO LEVEL OF SERVICE:		A	A	A	A

NOTES:

RTOR: *(a) 10%*
(b) 20%
(c) 56%
(d) 70%

Printed 05/23/19

#19016 - AQUISTAPACE SP REF: 18_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *9/6/2018*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BLOSSER ROAD***

E/W STREET: ***CARMEN LANE***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**112**	**1050**	**78**	**6**	**629**	**80**	**58**	**7**	**74**	**59**	**7**	**3**
(B)	PROJECT-ADDED:	**1**	**54**	**9**	**0**	**73**	**0**	**6**	**-9**	**2**	**-1**	**-1**	**-1**
(C)	CUMULATIVE:	**119**	**1126**	**83**	**6**	**691**	**88**	**45**	**17**	**122**	**68**	**14**	**5**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L T TR	EAST BOUND LT R	WEST BOUND LT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	112	113	119	120	0.070	0.071	0.074	0.075
NBT	2	3200	1050	1104	1126	1180	0.350 *	0.370 *	0.376 *	0.395 *
NBR	0	0	71	79	76	84	-	-	-	-
SBL	1	1600	6	6	6	6	0.004 *	0.004 *	0.004 *	0.004 *
SBT	2	3200	629	702	691	764	0.218	0.241	0.240	0.263
SBR (a)	0	0	69	69	76	76	-	-	-	-
EBL	1	1600	58	64	45	51	0.036	0.040	0.028	0.032
EBT	1	1600	7	-2	17	8	0.024 *	0.019 *	0.043 *	0.038 *
EBR (b)	0	0	32	33	52	53	-	-	-	-
WBL	1	1600	59	58	68	67	0.037 *	0.036 *	0.043 *	0.042 *
WBT	1	1600	7	6	14	13	0.005	0.004	0.010	0.009
WBR	0	0	1	1	2	1	-	-	-	-
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.515**	**0.529**	**0.566**	**0.579**
					SCENARIO LEVEL OF SERVICE:		A	A	A	A

NOTES:

RTOR: *(a) 9%*
(b) 14%
(c) 57%
(d) 67%

Printed 05/28/19

#19016 - AQUISTAPACE SP REF: 19_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *9/6/2018*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: ***BLOSSER STREET***

E/W STREET: ***BETTERAVIA ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**86**	**570**	**73**	**209**	**687**	**89**	**67**	**322**	**48**	**116**	**266**	**200**
(B)	PROJECT-ADDED:	**10**	**9**	**-4**	**59**	**16**	**10**	**10**	**1**	**1**	**4**	**-4**	**31**
(C)	CUMULATIVE:	**83**	**584**	**76**	**217**	**738**	**105**	**97**	**331**	**54**	**124**	**372**	**213**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L TT R	EAST BOUND L T TR	WEST BOUND L TT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	86	96	83	93	0.054	0.060	0.052	0.058
NBT	2	3200	570	579	584	593	0.191 *	0.193 *	0.196 *	0.198 *
NBR *(a)*	0	0	41	39	43	40	-	-	-	-
SBL	1	1600	209	268	217	276	0.131 *	0.168 *	0.136 *	0.173 *
SBT	2	3200	687	703	738	754	0.215	0.220	0.231	0.236
SBR *(b)*	1	1600	40	45	47	52	0.025	0.028	0.029	0.033
EBL	1	1600	67	77	97	107	0.042	0.048	0.061	0.067
EBT	2	3200	322	323	331	332	0.113 *	0.113 *	0.117 *	0.118 *
EBR *(c)*	0	0	39	40	44	45	-	-	-	-
WBL	1	1600	116	120	124	128	0.073 *	0.075 *	0.078 *	0.080 *
WBT	2	3200	266	262	372	368	0.083	0.082	0.116	0.115
WBR *(d)*	1	1600	94	109	100	115	0.059	0.068	0.063	0.072
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.608**	**0.649**	**0.627**	**0.669**
					SCENARIO LEVEL OF SERVICE:		**B**	**B**	**B**	**B**

NOTES:

RTOR: *(a) 44%*
(b) 55%
(c) 19%
(d) 53%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 19_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *9/6/2018*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***BLOSSER STREET***

E/W STREET: ***BETTERAVIA ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**93**	**731**	**148**	**223**	**556**	**60**	**198**	**496**	**69**	**102**	**315**	**233**
(B)	PROJECT-ADDED:	**1**	**16**	**10**	**50**	**14**	**10**	**3**	**-5**	**7**	**7**	**-4**	**45**
(C)	CUMULATIVE:	**90**	**811**	**150**	**214**	**680**	**69**	**211**	**541**	**86**	**149**	**338**	**244**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L T TR	SOUTH BOUND L TT R	EAST BOUND L T TR	WEST BOUND L TT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	93	94	90	91	0.058	0.059	0.056	0.057
NBT	2	3200	731	747	811	827	0.253 *	0.260 *	0.278 *	0.285 *
NBR *(a)*	0	0	78	84	80	85	-	-	-	-
SBL	1	1600	223	273	214	264	0.139 *	0.171 *	0.134 *	0.165 *
SBT	2	3200	556	570	680	694	0.174	0.178	0.213	0.217
SBR *(b)*	1	1600	29	34	33	38	0.018	0.021	0.021	0.024
EBL	1	1600	198	201	211	214	0.124	0.126	0.132	0.134
EBT	2	3200	496	491	541	536	0.175 *	0.176 *	0.194 *	0.195 *
EBR *(c)*	0	0	65	71	81	87	-	-	-	-
WBL	1	1600	102	109	149	156	0.064 *	0.068 *	0.093 *	0.098 *
WBT	2	3200	315	311	338	334	0.098	0.097	0.106	0.104
WBR *(d)*	1	1600	126	150	132	156	0.079	0.094	0.083	0.098
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.731**	**0.775**	**0.799**	**0.843**
					SCENARIO LEVEL OF SERVICE:		**C**	**C**	**C**	**D**

NOTES:

RTOR: *(a) 47%*
(b) 52%
(c) 6%
(d) 46%

Printed: 05/28/19

#19016 - AQUISTAPACE SP REF: 20_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *BROADWAY*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**141**	**717**	**98**	**153**	**465**	**84**	**75**	**470**	**85**	**161**	**552**	**113**
(B)	PROJECT-ADDED:	**13**	**13**	**0**	**38**	**20**	**0**	**0**	**38**	**21**	**0**	**20**	**20**
(C)	CUMULATIVE:	**173**	**840**	**81**	**149**	**467**	**93**	**84**	**502**	**94**	**119**	**639**	**116**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L TTT R	SOUTH BOUND LL TT TR	EAST BOUND L TT R	WEST BOUND L TT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	1	1600	141	154	173	186	0.088	0.096	0.108	0.116
NBT	3	4800	717	730	840	853	0.149 *	0.152 *	0.175 *	0.178 *
NBR *(a)*	1	1600	47	47	39	39	0.029	0.029	0.024	0.024
SBL	1	1600	153	191	149	187	0.096 *	0.119 *	0.093 *	0.117 *
SBT	3	4800	465	485	467	487	0.111	0.115	0.113	0.117
SBR *(b)*	0	0	68	68	75	75	-	-	-	-
EBL	1	1600	75	75	84	84	0.047	0.047	0.053 *	0.053 *
EBT	2	3200	470	508	502	540	0.147 *	0.159 *	0.157	0.169
EBR *(c)*	1	1600	28	35	31	38	0.018	0.022	0.019	0.024
WBL	1	1600	161	161	119	119	0.101 *	0.101 *	0.074	0.074
WBT	2	3200	552	572	639	659	0.173	0.179	0.200 *	0.206 *
WBR *(d)*	1	1600	41	48	42	49	0.026	0.030	0.026	0.031
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.593**	**0.631**	**0.621**	**0.654**
					SCENARIO LEVEL OF SERVICE:		**A**	**B**	**B**	**B**

NOTES:

RTOR: *(a) 52%*
(b) 19%
(c) 67%
(d) 64%

Printed: 05/23/19

#19016 - AQUISTAPACE SP REF: 20_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *PM PEAK HOUR*

N/S STREET: *BROADWAY*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	**141**	**949**	**294**	**311**	**773**	**67**	**204**	**612**	**124**	**230**	**527**	**328**
(B)	PROJECT-ADDED:	**0**	**0**	**0**	**36**	**15**	**0**	**0**	**36**	**16**	**0**	**39**	**39**
(C)	CUMULATIVE:	**196**	**916**	**293**	**320**	**831**	**76**	**240**	**655**	**162**	**224**	**597**	**351**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L TTT R	SOUTH BOUND LL TT TR	EAST BOUND L TT R	WEST BOUND L TT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS		# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL		1	1600	141	141	196	196	0.088	0.088	0.123	0.123
NBT		3	4800	949	949	916	916	0.198 *	0.198 *	0.191 *	0.191 *
NBR	*(a)*	1	1600	132	132	132	132	0.083	0.083	0.083	0.083
SBL		1	1600	311	347	320	356	0.194 *	0.217 *	0.200 *	0.223 *
SBT		3	4800	773	788	831	846	0.171	0.175	0.185	0.188
SBR	*(b)*	0	0	50	50	57	57	-	-	-	-
EBL		1	1600	204	204	240	240	0.128	0.128	0.150	0.150
EBT		2	3200	612	648	655	691	0.191 *	0.203 *	0.205 *	0.216 *
EBR	*(c)*	1	1600	56	63	73	80	0.035	0.039	0.046	0.050
WBL		1	1600	230	230	224	224	0.144 *	0.144 *	0.140 *	0.140 *
WBT		2	3200	527	566	597	636	0.165	0.177	0.187	0.199
WBR	*(d)*	1	1600	230	257	246	273	0.144	0.161	0.154	0.171
						LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
						TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.827**	**0.862**	**0.836**	**0.870**
						SCENARIO LEVEL OF SERVICE:		**D**	**D**	**D**	**D**

NOTES:

RTOR: *(a) 55%*
(b) 25%
(c) 55%
(d) 30%

Printed: 05/28/19

#19016 - AQUISTAPACE SP REF: 21_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *BRADLEY ROAD*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	115	96	255	57	103	73	91	564	116	320	821	81
(B)	PROJECT-ADDED:	5	0	0	0	0	0	0	61	8	0	45	0
(C)	CUMULATIVE:	126	164	259	82	48	145	113	571	132	398	826	131

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND LL T R	SOUTH BOUND L TT R	EAST BOUND L TT TR	WEST BOUND LL TTT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	2	3200	115	120	126	131	0.036	0.038	0.039	0.041
NBT	1	1600	96	96	164	164	0.060 *	0.060 *	0.103 *	0.103 *
NBR (a)	1	1600	102	102	104	104	0.064	0.064	0.065	0.065
SBL	1	1600	57	57	82	82	0.036 *	0.036 *	0.051 *	0.051 *
SBT	2	3200	103	103	48	48	0.032	0.032	0.015	0.015
SBR (b)	1	1600	28	28	55	55	0.018	0.018	0.034	0.034
EBL	1	1600	91	91	113	113	0.057	0.057	0.071	0.071
EBT	3	4800	564	625	571	632	0.133 *	0.147 *	0.136 *	0.150 *
EBR (c)	0	0	74	79	84	90	-	-	-	-
WBL	2	3200	320	320	398	398	0.100 *	0.100 *	0.124 *	0.124 *
WBT	3	4800	821	866	826	871	0.171	0.180	0.172	0.181
WBR (d)	1	1600	41	41	67	67	0.026	0.026	0.042	0.042
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.429**	**0.443**	**0.514**	**0.528**
					SCENARIO LEVEL OF SERVICE:		A	A	A	A

NOTES:

RTOR: *(a) 60%*
(b) 62%
(c) 36%
(d) 49%

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 21_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *PM PEAK HOUR*

N/S STREET: *BRADLEY ROAD*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**264**	**209**	**428**	**200**	**309**	**157**	**236**	**930**	**236**	**476**	**879**	**195**
(B)	PROJECT-ADDED:	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**60**	**6**	**0**	**62**	**0**
(C)	CUMULATIVE:	**274**	**296**	**461**	**308**	**352**	**268**	**311**	**972**	**269**	**497**	**895**	**283**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND LL T R	SOUTH BOUND L TT R	EAST BOUND L TT TR	WEST BOUND LL TTT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	2	3200	264	272	274	282	0.083	0.085	0.086	0.088
NBT	1	1600	209	209	296	296	0.131 *	0.131 *	0.185 *	0.185 *
NBR *(a)*	1	1600	244	244	263	263	0.153	0.153	0.164	0.164
SBL	1	1600	200	200	308	308	0.125 *	0.125 *	0.193 *	0.193 *
SBT	2	3200	309	309	352	352	0.097	0.097	0.110	0.110
SBR *(b)*	1	1600	77	77	131	131	0.048	0.048	0.082	0.082
EBL	1	1600	236	236	311	311	0.148	0.148	0.194	0.194
EBT	3	4800	930	990	972	1032	0.233 *	0.247 *	0.247 *	0.261 *
EBR *(c)*	0	0	189	194	215	220	-	-	-	-
WBL	2	3200	476	476	497	497	0.149 *	0.149 *	0.155 *	0.155 *
WBT	3	4800	879	941	895	957	0.183	0.196	0.186	0.199
WBR *(d)*	1	1600	111	111	161	161	0.069	0.069	0.101	0.101
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.738**	**0.752**	**0.880**	**0.894**
					SCENARIO LEVEL OF SERVICE:		**C**	**C**	**D**	**D**

NOTES:

RTOR: *(a) 43%*
(b) 51%
(c) 20%
(d) 43%

Printed: 05/28/19

#19016 - AQUISTAPACE SP REF: 22_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *US 101 SB RAMPS*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

EXISTING CONDITONS

TRAFFIC VOLUME SUMMARY

VOLUMES	NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A) EXISTING:	0	0	0	131	0	993	0	710	220	34	315	0

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND L LT R	EAST BOUND TT R	WEST BOUND L TT

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	SCENARIO V/C RATIOS 1
NBL	0	0	0	-
NBT	0	0	0	-
NBR (a)	0	0	0	-
SBL	0	0	131	-
SBT	2	3200	0	0.041
SBR (b)	1	1600	761	0.476 *
EBL	0	0	0	-
EBT	2	3200	710	0.222 *
EBR (c)	1	1600	163	0.102
WBL	1	1600	34	0.021 *
WBT	2	3200	315	0.098
WBR (d)	0	0	0	-
			LOST TIME:	0.100 *
			TOTAL INTERSECTION CAPACITY UTILIZATION:	**0.819**
			SCENARIO LEVEL OF SERVICE:	**D**

NOTES:

RTOR: *(a) 0%*

(b) Volume reduced for right-turn green overlap arrow.

(c) 26%

(d) 0%

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 22_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *PM PEAK HOUR*

N/S STREET: *US 101 SB RAMPS* *EXISTING CONDITIONS*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES	NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A) EXISTING:	0	0	0	71	0	826	0	1203	394	66	773	0

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND L LT R	EAST BOUND TT R	WEST BOUND L TT

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	SCENARIO V/C RATIOS 1
NBL	0	0	0	-
NBT	0	0	0	-
NBR (a)	0	0	0	-
SBL	0	0	71	-
SBT	2	3200	0	0.022
SBR (b)	1	1600	611	0.382 *
EBL	0	0	0	-
EBT	2	3200	1203	0.376 *
EBR (c)	1	1600	288	0.180
WBL	1	1600	66	0.041 *
WBT	2	3200	773	0.242
WBR (d)	0	0	0	-
			LOST TIME:	0.100 *
			TOTAL INTERSECTION CAPACITY UTILIZATION:	**0.899**
			SCENARIO LEVEL OF SERVICE:	**D**

NOTES:

RTOR: *(a) 0%*

(b) Volume reduced for right-turn green overlap arrow.

(c) 27%

(d) 0%

Printed: 05/28/19

#19016 - AQUISTAPACE SP

REF: 22_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *US 101 SB RAMPS*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

WITH PLANNED IMPROVEMENTS

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	NORTH BOUND T	NORTH BOUND R	SOUTH BOUND L	SOUTH BOUND T	SOUTH BOUND R	EAST BOUND L	EAST BOUND T	EAST BOUND R	WEST BOUND L	WEST BOUND T	WEST BOUND R
(A)	EXISTING:	0	0	0	131	0	993	0	710	220	34	315	0
(B)	PROJECT-ADDED:	0	0	0	0	0	0	0	0	61	0	40	0
(C)	CUMULATIVE:	0	0	0	131	0	1056	0	712	255	40	389	0

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND	EAST BOUND	WEST BOUND
		L LT RR	TT R	L TT

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 2	3	4	SCENARIO V/C RATIOS 2	3	4
NBL	0	0	0	0	0	-	-	-
NBT	0	0	0	0	0	-	-	-
NBR *(a)*	0	0	0	0	0	-	-	-
SBL	0	0	131	131	131	-	-	-
SBT	2	3200	0	0	0	0.041	0.041	0.041
SBR *(b)*	2	3200	529	652	692	0.165 *	0.204 *	0.216 *
EBL	0	0	0	0	0	-	-	-
EBT	2	3200	710	712	712	0.222 *	0.223 *	0.223 *
EBR *(c)*	1	1600	208	189	234	0.130	0.118	0.146
WBL	1	1600	34	40	40	0.021 *	0.025 *	0.025 *
WBT	2	3200	355	389	429	0.111	0.122	0.134
WBR *(d)*	0	0	0	0	0	-	-	-
			LOST TIME:			0.100 *	0.100 *	0.100 *
			TOTAL INTERSECTION CAPACITY UTILIZATION:			**0.508**	**0.552**	**0.564**
			SCENARIO LEVEL OF SERVICE:			A	A	A

NOTES:

RTOR: *(a) 0%*
(b) Volume reduced for right-turn green overlap arrow.
(c) 26%
(d) 0%

Printed: 05/24/19

#19016 - AQUISTAPACE SP REF: 22_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *PM PEAK HOUR*

N/S STREET: *US 101 SB RAMPS* *WITH PLANNED IMPROVEMENTS*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**0**	**0**	**0**	**71**	**0**	**826**	**0**	**1203**	**394**	**66**	**773**	**0**
(B)	PROJECT-ADDED:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**60**	**0**	**62**	**0**
(C)	CUMULATIVE:	**0**	**0**	**0**	**71**	**0**	**881**	**0**	**1214**	**565**	**66**	**842**	**0**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND	SOUTH BOUND L LT RR	EAST BOUND TT R	WEST BOUND L TT

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVEMENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 2	3	4	SCENARIO V/C RATIOS 2	3	4
NBL	0	0	0	0	0	-	-	-
NBT	0	0	0	0	0	-	-	-
NBR *(a)*	0	0	0	0	0	-	-	-
SBL	0	0	71	71	71	-	-	-
SBT	2	3200	0	0	0	0.022	0.022	0.022
SBR *(b)*	2	3200	326	378	440	0.102 *	0.118 *	0.138 *
EBL	0	0	0	0	0	-	-	-
EBT	2	3200	1203	1214	1214	0.376 *	0.379 *	0.379 *
EBR *(c)*	1	1600	331	412	456	0.207	0.258	0.285
WBL	1	1600	66	66	66	0.041 *	0.041 *	0.041 *
WBT	2	3200	835	842	904	0.261	0.263	0.283
WBR *(d)*	0	0	0	0	0	-	-	-
			LOST TIME:			0.100 *	0.100 *	0.100 *
			TOTAL INTERSECTION CAPACITY UTILIZATION:			**0.619**	**0.638**	**0.658**
			SCENARIO LEVEL OF SERVICE:			**B**	**B**	**B**

NOTES:

RTOR: *(a) 0%*
(b) Volume reduced for right-turn green overlap arrow.
(c) 27%
(d) 0%

Printed: 05/28/19

#19016 - AQUISTAPACE SP REF: 23_AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: *AM PEAK HOUR*

N/S STREET: *US 101 NB RAMPS*

E/W STREET: *BETTERAVIA ROAD*

CONTROL TYPE: *SIGNAL*

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**230**	**0**	**74**	**0**	**0**	**0**	**570**	**276**	**0**	**0**	**169**	**111**
(B)	PROJECT-ADDED:	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
(C)	CUMULATIVE:	**294**	**0**	**84**	**0**	**0**	**0**	**572**	**276**	**0**	**0**	**185**	**113**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L LT R	SOUTH BOUND	EAST BOUND LL TT	WEST BOUND TT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A + B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B + C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	0	0	230	270	294	334	-	-	-	-
NBT	2	3200	0	0	0	0	0.072 *	0.084 *	0.092 *	0.104 *
NBR *(a)*	1	1600	24	24	27	27	0.015	0.015	0.017	0.017
SBL	0	0	0	0	0	0	-	-	-	-
SBT	0	0	0	0	0	0	-	-	-	-
SBR *(b)*	0	0	0	0	0	0	-	-	-	-
EBL	2	3200	570	570	572	572	0.178 *	0.178 *	0.179 *	0.179 *
EBT	2	3200	276	276	276	276	0.086	0.086	0.086	0.086
EBR *(c)*	0	0	0	0	0	0	-	-	-	-
WBL	0	0	0	0	0	0	-	-	-	-
WBT	2	3200	169	169	185	185	0.053 *	0.053 *	0.058 *	0.058 *
WBR *(d)*	1	1600	56	56	57	57	0.035	0.035	0.036	0.036
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.403**	**0.415**	**0.429**	**0.441**
					SCENARIO LEVEL OF SERVICE:		A	A	A	A

NOTES:

RTOR: *(a) 68%*
(b) 0%
(c) 0%
(d) 50%

Printed: 05/31/19

#19016 - AQUISTAPACE SP REF: 23_PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: *03/28/19*

TIME PERIOD: ***PM PEAK HOUR***

N/S STREET: ***US 101 NB RAMPS***

E/W STREET: ***BETTERAVIA ROAD***

CONTROL TYPE: ***SIGNAL***

TRAFFIC VOLUME SUMMARY

VOLUMES		NORTH BOUND L	T	R	SOUTH BOUND L	T	R	EAST BOUND L	T	R	WEST BOUND L	T	R
(A)	EXISTING:	**426**	**0**	**48**	**0**	**0**	**0**	**1064**	**211**	**0**	**0**	**415**	**287**
(B)	PROJECT-ADDED:	**62**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
(C)	CUMULATIVE:	**485**	**0**	**53**	**0**	**0**	**0**	**1066**	**218**	**0**	**0**	**421**	**287**

GEOMETRICS

LANE GEOMETRICS	NORTH BOUND L LT R	SOUTH BOUND	EAST BOUND LL TT	WEST BOUND TT R

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
SCENARIO 2 = EXISTING + PROJECT VOLUMES(A+B)
SCENARIO 3 = SHORT-TERM CUMULATIVE (C)
SCENARIO 4 = SHORT-TERM CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

MOVE-MENTS	# OF LANES	CAPACITY	SCENARIO VOLUMES 1	2	3	4	SCENARIO V/C RATIOS 1	2	3	4
NBL	0	0	426	488	485	547	-	-	-	-
NBT	2	3200	0	0	0	0	0.133 *	0.153 *	0.152 *	0.171 *
NBR *(a)*	1	1600	19	19	21	21	0.012	0.012	0.013	0.013
SBL	0	0	0	0	0	0	-	-	-	-
SBT	0	0	0	0	0	0	-	-	-	-
SBR *(b)*	0	0	0	0	0	0	-	-	-	-
EBL	2	3200	1064	1064	1066	1066	0.333 *	0.333 *	0.333 *	0.333 *
EBT	2	3200	211	211	218	218	0.066	0.066	0.068	0.068
EBR *(c)*	0	0	0	0	0	0	-	-	-	-
WBL	0	0	0	0	0	0	-	-	-	-
WBT	2	3200	415	415	421	421	0.130 *	0.130 *	0.132 *	0.132 *
WBR *(d)*	1	1600	164	164	164	164	0.103	0.103	0.103	0.103
					LOST TIME:		0.100 *	0.100 *	0.100 *	0.100 *
					TOTAL INTERSECTION CAPACITY UTILIZATION:		**0.696**	**0.716**	**0.717**	**0.736**
					SCENARIO LEVEL OF SERVICE:		**B**	**C**	**C**	**C**

NOTES:

RTOR: *(a) 60%*
(b) 0%
(c) 0%
(d) 43%

Printed: 05/31/19