Appendix A

Notice of Preparation and Scoping Comments

Compton Unified School District
School District Administrator
501 S. Santa Fe
Compton, CA. 90221

Southern California Edison Real Property Dept.
1924 Cashdan St.
Compton, CA. 90224

Southern California Gas Company
Real Property Department
Fred Schultz
701 N. Bullis Rd.
Compton, CA. 90221

Los Angeles County Regional Planning Dept.
Impact Analysis Section
320 W Temple St.
Los Angeles, CA. 90012

Los Angeles County Dept. of Public Works
Land Development Division
900 S Fremont Alhambra, CA. 91803

Los Angeles County Flood Control District
Environmental Division/Real Property
10179 Glenoaks Blvd.
Sun Valley, CA. 91352

Los Angeles Metropolitan Water District
Environmental Division/Real Property
PO Box 51111
Los Angeles, CA. 90051

California Regional Water Quality Control Board
Environmental/Land Development Division
320 W. 4th St., Ste. 200
Los Angeles, CA. 90013

South Coast Air Quality Management District
Planning & Rule Dev. & Area Services
21865 Copley Drive
Diamond Bar, CA. 91765

City of Lynwood Planning Department
11330 Bullis Rd.
Lynwood, CA. 90263

City of Carson Planning Department
701 E Carson Street
Carson, CA. 90745

City of Long Beach Planning Department
333 W. Ocean Boulevard
Long Beach, CA. 90802

Michael Martinez
Cultural Resource Coordinator
Torres Martinez Desert Cahilla Indians
PO Box 1160
Thermal, Ca. 92274

Notice of Preparation (NOP) of a Program Environmental Impact Report for the Proposed Compton Hub City Specific Plan

To:

Public Agencies
Interested Parties

ORIGINAL FILED
APR 02 2019
LOS ANGELES. COUNTY CLERK

From:

City of Compton
Planning and Economic Development
205 South Willowbrook Avenue
Compton, CA 90220
Contact: Robert Delgadillo, Senior Planner

Introduction: The City of Compton will be the Lead Agency preparing the Program Environmental Impact Report (Program EIR) for the Compton Hub City Specific Plan (proposed project). The Program EIR is intended to be sufficient in scope to address State and local requirements and environmental issues concerning the proposed project. In addition, the Program EIR is intended to disclose all relevant project information to decision-makers and the general public and disclose the environmental consequences of the proposed project. Therefore, interested parties are invited to provide their views on the scope of the Program EIR, which will become part of the record and will be considered in each of the documents.

In accordance with the California Environmental Quality Act (CEQA), the City of Compton will serve as the lead agency for preparation of the Program EIR. This Notice of Preparation (NOP) for the Program EIR was prepared in accordance with State CEQA Guidelines for implementation of the California Environmental Quality Act.

Project Location: The Compton Hub City Specific Plan is proposed in the southeast corner of the City of Compton. The Specific Plan area encompasses 1.19 square miles and includes existing residential, commercial, agricultural, and industrial uses. The Specific Plan area is loosely bounded by Bennet Street to the north, West Victoria/Apra Streets to the south, Wilmington Avenue to the west, and South Tartar Lane to the east.

Project Description: The Compton Hub City Specific Plan projects approximately one million square feet (sf) of new development (4,800 housing units; 74,348 sf retail; and 76,426 sf office) by the horizon year 2040 in order to envision a new, compact, transit-oriented neighborhood within walking distance of the existing Artesia Blue Line station. This new transit village would be made possible by strategic public access and place-making investments that improve the appearance and safety of the public realm, introduces new open spaces, closes existing gaps in the bicycle and pedestrian network (first/last mile), and other site improvements through the redevelopment of multiple opportunity sites adjacent to the station.

Potential Environmental Effects: The following are several key environmental issues that will be addressed in the Program EIR:

- Aesthetics
- Agricultural Resources
- Air Quality
- Cultural Resources
- Energy
- Geology/Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use Planning
- Noise
- Population and Housing
- Recreation
- Transportation/Traffic
- Tribal Cultural Resources
- Utilities and Service Systems

It is important to note that additional issues may be analyzed based upon the input received during the scoping process.

Comment Period: Due to the time limits mandated by State law, your response must be sent at the earliest possible date, but not later than 30 days after receipt of this notice. Please send your written comments to the address below:

City of Compton
Attention: Robert Delgadillo
Planning and Economic Development
205 South Willowbrook Avenue
Compton, CA 90220

Comment letters should include the commenter's contact information, and the project title "Compton Hub City Specific Plan."

E-mail comments should be sent to rdelgadillo@comptoncity.org and shuerta@rinconconsultants.com. Email comments should include "Compton Hub City Specific Plan" in the e-mail subject line.

Public Scoping Meeting: Pursuant to CEQA Guidelines Section 15206, the Compton Hub City Specific Plan project is considered a "Project of Areawide Significance," as it envisions approximately 4,800 dwelling units and more than 150,000 square feet of commercial and retail area. Therefore, the City of Compton will hold a public scoping meeting during a special Planning Commission meeting on April 10, 2019 beginning at 7:00 pm. The meeting will be held in the City Council chambers located at 205 South Willowbrook, Ave., Compton, CA 90220.

If you have any questions regarding this project, please contact Robert Delgadillo at the City of Compton (310) 605-5500 or Susanne Huerta at Rincon Consultants (213) 788-4842, ext. 104.

Prepared By:

City of Compton
205 South Willowbrook Ave.
Compton, CA 90220
310-605-5500

Rincon Consultants, Inc.
250 E 1st St. Suite 301
Los Angeles, CA 90012
213-788-4842 ext. 104

Signature — Date: 3-28-19

Robert Delgadillo — Senior Planner

Printed Name — Title

CITY OF LONG BEACH

DEPARTMENT OF DEVELOPMENT SERVICES

333 West Ocean Blvd., 5th Floor Long Beach, CA 90802 (562) 570-6194 FAX (562) 570-6068

PLANNING BUREAU

May 3, 2019

Robert Delgadillo
Senior Planner
City of Compton
205 S. Willowbrook Avenue
Compton, CA 90220

Dear Mr. Delgadillo:

Thank you for the opportunity to provide input on the Notice of Preparation for the Program EIR for the Compton Hub City Specific Plan.

The City of Long Beach is supportive of the City of Compton's effort to encourage transit-oriented development that will direct increased housing opportunities and commercial activity to areas served by transit.

The City of Long Beach is currently undertaking a similar planning process and is developing new zoning regulations to encourage mixed use in North Long Beach (Uptown) on Artesia Boulevard, between the City's boundary with the City of Bellflower and Atlantic Avenue and on Atlantic Avenue from Artesia Boulevard to 51st Street. Artesia Boulevard is the main arterial that leads to the Metro Blue Line Artesia Station, which serves as the nearest rail transit stop for the City's northernmost residents. Both Artesia Boulevard and Atlantic Avenue are major corridors that are identified (partially or wholly) in the City's Mobility Plan as multimodal streets, supporting walking, biking and transit use.

We encourage you to continue coordinating your planning efforts with the City of Long Beach's North Long Beach planning effort (known as UPLAN). More specifically, the key corridors noted above have been identified in Long Beach's recent General Plan Land Use and Urban Design Element Update as neighborhood-serving centers or corridors. New zoning districts are currently being developed to implement General Plan Land Use and Urban Design Element policies to encourage mixed use and pedestrian friendly development to establish a walkable, full service community. Much like Compton's planning effort, UPLAN has the shared goal of reducing the vehicle miles travelled, increasing housing affordability, creating a variety of housing choices, and providing options for entertainment and recreation. We look forward to coordinating on our respective planning efforts to advance these mutual goals.

To learn more about the UPLAN effort, please visit the project Web site at http://www.longbeach.gov/uplanlb. For additional information, please contact members of the project team: Alison Spindler, Project Manager, at Alison.Spindler@longbeach.gov or Alejandro Sanchez-Lopez, Planner, at Alejandro.Sanchez-Lopez@longbeach.gov.

Sincerely,

Christopher Koontz, AICP
Planning Bureau Manager

CK/bb
Compton Hub City Notice of Preparation for Program EIR

DEPARTMENT OF TRANSPORTATION
DISTRICT 7 – Office of Regional Planning
100 S. MAIN STREET, MS 16
LOS ANGELES, CA 90012
PHONE (213) 897-9140
FAX (213) 897-1337
TTY 711
www.dot.ca.gov

Making Conservation a California Way of Life.

May 1, 2019

Mr. Robert Delgadillo
City of Compton
205 South Willowbrook Avenue
Compton, CA 90220

RE: Compton Hub City Specific Plan – Notice of Preparation (NOP)
SCH# 2019049007
GTS # 07-LA-2019-02410
Vic. LA-91/PM: R 9.162 - LA-91/PM: R 10.351

Dear Mr. Robert Delgadillo:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project's NOP. The Compton Hub City Specific Plan projects approximately one million square feet (sf} of new development (4,800 housing units; 74,348 sf retail; and 76,426 sf office) by the horizon year 2040 in order to envision a new, compact, transit-oriented neighborhood within walking distance of the existing Artesia Blue Line station. This new transit village would be made possible by strategic public access and place-making investments that improve the appearance and safety of the public realm, introduces new open spaces, closes existing gaps in the bicycle and pedestrian network (first/last mile), and other site improvements through the redevelopment of multiple opportunity sites adjacent to the station.

After reviewing this project's NOP Caltrans has the following comments:

Due to the large scale of this project and its close proximity to Interstate 110 (I-110) and Interstate 710 (I-710) and State Route 91 (SR-91) and State Route 47 (SR-47), future projects may impact these facilities. When the future individual projects begin for the Compton Hub City Specific Plan, Caltrans District 7 would recommend conducting traffic analysis that includes trip generation. If these traffic impact studies are being prepared we suggest the following intersection be studied closely:

1. SR-91 and Central Ave. Eastbound/Westbound On/Off-ramps
2. SR-91 and S Wilmington Ave. Eastbound/Westbound On/Off-ramps
3. SR-91 and Alameda St Eastbound On/Off-ramps
4. SR-91 and Santa Fe/E Artesia Blvd. Westbound split Off-ramps
5. SR-91 and Long Beach Blvd. Eastbound/Westbound On/Off-ramps

For a traffic impact study of freeway mainline, weave, merge and diverge segments, the methodologies in Chapter 12, 13, and 14 of the Highway Capacity Manual (HCM) 6th edition are limited to under saturated flow conditions. When a freeway facility has oversaturated conditions, Chapter 10 is recommended to be used to determine a more precise density. It is acknowledged that there are limitations of the HCM methodology and it is recommended to use a traffic simulation model for the analysis.

Please provide threshold of significance for determination of impact on freeway and at on- and off-ramps terminal intersections.

The impact is considered to be significant, if the traffic generated by the project (a) causes one or more freeway segment's demand to exceed capacity (congested flow); or (b) when the segment is already congested, causes an increase in the demand/capacity ratio of greater than 1%.

Impacts to off-ramps are considered significant if the traffic generated by the project causes queueing that: (a) exceeds 85% of the off-ramp's storage capacity; or (b) when an auxiliary lane is present, exceeds the lesser of one-half the length of auxiliary lane or 1,000 feet.

Use Synchro 10 for intersections. For the intersection analysis, the actual traffic signal timing should be used, not signal timing optimization for matching existing field conditions.

Caltrans seeks to promote safe, accessible multimodal transportation. Methods to reduce pedestrian and bicyclist exposure to vehicles improve safety by lessening the time that the user is in the likely path of a motor vehicle. These methods include the construction of physically separated facilities such as sidewalks, raised medians, refuge islands, and off-road paths and trails, or a reduction in crossing distances through roadway narrowing.

Caltrans recommends the project to consider the use of methods such as, but not limited to, pedestrian and bicyclist warning signage, flashing beacons, crosswalks, signage and striping, be used to indicate to motorists that they should expect to see and yield to pedestrians and bicyclists. Visual indication from signage can be reinforced by road design features such as lane widths, landscaping, street furniture, and other design elements.

Any transportation of heavy construction equipment and/or materials which requires use of oversized-transport vehicles on State highways will need a Caltrans transportation permit. We recommend large size truck trips be limited to off-peak commute periods

If you have any questions regarding these comments, please contact project coordinator Reece Allen, at reece.allen@dot.ca.gov and refer to GTS# 07-LA-2019-02410

Sincerely,

MIYA EDMONSON
IGR/CEQA Branch Chief

cc: Scott Morgan, State Clearinghouse

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA USPS AND E-MAIL: April 16, 2019

rdelgadillo@comptoncity.org
Robert Delgadillo, Senior Planner
City of Compton, Planning and Economic Development
205 South Willowbrook Avenue
Compton, CA 90220

Notice of Preparation of a Program Environmental Impact Report for Compton Hub City Specific Plan

The South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. South Coast AQMD staff's comments are recommendations regarding the analysis of potential air quality impacts from the Proposed Project that should be included in the Program Environmental Impact Report (EIR). Please send South Coast AQMD a copy of the Program EIR upon its completion. Note that copies of the Program EIR that are submitted to the State Clearinghouse are not forwarded to South Coast AQMD. Please forward a copy of the Program EIR directly to South Coast AQMD at the address shown in the letterhead. **In addition, please send with the Program EIR all appendices or technical documents related to the air quality, health risk, and greenhouse gas analyses and electronic versions of all air quality modeling and health risk assessment files[1]. These include emission calculation spreadsheets and modeling input and output files (not PDF files). Without all files and supporting documentation, South Coast AQMD staff will be unable to complete our review of the air quality analyses in a timely manner. Any delays in providing all supporting documentation will require additional time for review beyond the end of the comment period.**

Air Quality Analysis

South Coast AQMD adopted its California Environmental Quality Act (CEQA) Air Quality Handbook in 1993 to assist other public agencies with the preparation of air quality analyses. South Coast AQMD recommends that the Lead Agency use this Handbook as guidance when preparing its air quality analysis. Copies of the Handbook are available from South Coast AQMD's Subscription Services Department by calling (909) 396-3720. More guidance developed since this Handbook is also available on South Coast AQMD's website at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993). South Coast AQMD staff also recommends that the Lead Agency use the CalEEMod land use emissions software. This software has recently been updated to incorporate up-to-date state and locally approved emission factors and methodologies for estimating pollutant emissions from typical land use development. CalEEMod is the only software model maintained by the California Air Pollution Control Officers Association (CAPCOA) and replaces the now outdated URBEMIS. This model is available free of charge at: www.caleemod.com.

South Coast AQMD has also developed both regional and localized significance thresholds. South Coast AQMD staff requests that the Lead Agency quantify criteria pollutant emissions and compare the results

[1] Pursuant to the CEQA Guidelines Section 15174, the information contained in an EIR shall include summarized technical data, maps, plot plans, diagrams, and similar relevant information sufficient to permit full assessment of significant environmental impacts by reviewing agencies and members of the public. Placement of highly technical and specialized analysis and data in the body of an EIR should be avoided through inclusion of supporting information and analyses as appendices to the main body of the EIR. Appendices to the EIR may be prepared in volumes separate from the basic EIR document, but shall be readily available for public examination and shall be submitted to all clearinghouses which assist in public review.

to South Coast AQMD's CEQA regional pollutant emissions significance thresholds to determine air quality impacts. South Coast AQMD's CEQA regional pollutant emissions significance thresholds can be found here: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf. In addition to analyzing regional air quality impacts, South Coast AQMD staff recommends calculating localized air quality impacts and comparing the results to localized significance thresholds (LSTs). LSTs can be used in addition to the recommended regional significance thresholds as a second indication of air quality impacts when preparing a CEQA document. Therefore, when preparing the air quality analysis for the Proposed Project, it is recommended that the Lead Agency perform a localized analysis by either using the LSTs developed by South Coast AQMD staff or performing dispersion modeling as necessary. Guidance for performing a localized air quality analysis can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis. Furthermore, for phased projects where there will be an overlap between construction and operation, the emissions from the overlapping construction and operational activities should be combined and compared to South Coast AQMD's regional air quality CEQA *operational* thresholds to determine the level of significance

Mobile Source Health Risk Assessment

Notwithstanding the court rulings, South Coast AQMD staff recognizes that the Lead Agencies that approve CEQA documents retain the authority to include any additional information they deem relevant to assessing and mitigating the environmental impacts of a project. Because of South Coast AQMD staff's concern about the potential public health impacts of siting sensitive populations within close proximity of freeways and other sources of air pollution, South Coast AQMD staff recommends that, prior to approving the project, Lead Agencies consider the impacts of air pollutants on people who will live in a new project and provide mitigation where necessary.

When specific development is reasonably foreseeable as result of the goals, policies, and guidelines in the Proposed Project, the Lead Agency should identify any potential adverse health risk impacts using its best efforts to find out and a good-faith effort at full disclosure in the CEQA document. Based on a review of project location in the Notice of Preparation and aerial photographs, South Coast AQMD staff found that the Proposed Project will be located near State Route 91 (SR-91). Because of the proximity to the existing freeway and a potential source of air pollution, residents at the Proposed Project[2] would be exposed to diesel particulate matter (DPM). Diesel particulate matter emitted from diesel powered engines (such as trucks) has been classified by the state as a toxic air contaminant and a carcinogen. Since future residences at the Proposed Project would be exposed to toxic emissions from the nearby sources of air pollution (e.g., diesel fueled highway vehicles and locomotives), South Coast AQMD staff recommends

[2]According to the Project Description in the Notice of Preparation, the Proposed Project would include, among others, construction of a total of 4,800 residential units on 1.19 square miles.

that the Lead Agency conduct a health risk assessment (HRA)[3] to disclose the potential health risks to the residents in the Program EIR[4].

Guidance Regarding Residences Sited Near a High-Volume Freeway or Other Sources of Air Pollution

South Coast AQMD staff recognizes that there are many factors Lead Agencies must consider when making local planning and land use decisions. To facilitate stronger collaboration between Lead Agencies and the South Coast AQMD to reduce community exposure to source-specific and cumulative air pollution impacts, the South Coast AQMD adopted the Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning in 2005. This Guidance Document provides suggested policies that local governments can use in their General Plans or through local planning to prevent or reduce potential air pollution impacts and protect public health. South Coast AQMD staff recommends that the Lead Agency review this Guidance Document as a tool when making local planning and land use decisions. This Guidance Document is available on South Coast AQMD's website at: http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf. Additional guidance on siting incompatible land uses (such as placing homes near freeways or other polluting sources) can be found in the California Air Resources Board's (CARB) *Air Quality and Land Use Handbook: A Community Health Perspective*, which can be found at: http://www.arb.ca.gov/ch/handbook.pdf. Guidance[5] on strategies to reduce air pollution exposure near high-volume roadways can be found at: https://www.arb.ca.gov/ch/rd_technical_advisory_final.PDF.

Mitigation Measures

In the event that the Proposed Project generates significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized during project construction and operation to minimize these impacts. Pursuant to CEQA Guidelines Section 15126.4 (a)(1)(D), any impacts resulting from mitigation measures must also be discussed. Several resources are available to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project, including:

- Chapter 11 of South Coast AQMD's CEQA Air Quality Handbook
- South Coast AQMD's CEQA web pages available here: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies
- South Coast AQMD's Rule 403 – Fugitive Dust, and the Implementation Handbook for controlling construction-related emissions and Rule 1403 – Asbestos Emissions from Demolition/Renovation Activities
- South Coast AQMD's Mitigation Monitoring and Reporting Plan (MMRP) for the 2016 Air Quality Management Plan (2016 AQMP) available here (starting on page 86): http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-mar3-035.pdf
- CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures* available here: http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

[3] South Coast Air Quality Management District. "*Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*." Accessed at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.

[4] The South Coast AQMD has developed the CEQA significance threshold of 10 in one million for cancer risk. When the South Coast AQMD acts as the Lead Agency, South Coast AQMD staff conducts a HRA, compares the maximum cancer risk to the threshold of 10 in one million to determine the level of significance for health risk impacts, and identifies mitigation measures if the risk is found to be significant.

[5] In April 2017, CARB published a technical advisory, *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways: Technical Advisory*, to supplement CARB's Air Quality and Land Use Handbook: A Community Health Perspective. This technical advisory is intended to provide information on strategies to reduce exposures to traffic emissions near high-volume roadways to assist land use planning and decision-making in order to protect public health and promote equity and environmental justice. The technical advisory is available at: https://www.arb.ca.gov/ch/landuse.htm.

As stated above, residential units may be located in proximity to SR-91. Many strategies are available to reduce exposure, including, but are not limited to, building filtration systems with Minimum Efficiency Reporting Value (MERV) 13 or better, or in some cases, MERV 15 or better is recommended; building design, orientation, location; vegetation barriers or landscaping screening, etc. Because of the potential adverse health risks involved with siting sensitive receptors near freeways and sources of air pollution, it is essential that any proposed strategy must be carefully evaluated before implementation.

In the event that enhanced filtration units are installed at the Proposed Project either as a mitigation measure or project design feature requirement, South Coast AQMD staff recommends that the Lead Agency consider the limitations of the enhanced filtration. For example, in a study that South Coast AQMD conducted to investigate filters[6], a cost burden is expected to be within the range of $120 to $240 per year to replace each filter. The initial start-up cost could substantially increase if an HVAC system needs to be installed. In addition, because the filters would not have any effectiveness unless the HVAC system is running, there may be increased energy costs to the residents. It is typically assumed that the filters operate 100 percent of the time while residents are indoors, and the environmental analysis does not generally account for the times when the residents have their windows or doors open or are in common space areas of the project. In addition, these filters have no ability to filter out any toxic gases from vehicle exhaust. Therefore, the presumed effectiveness and feasibility of any filtration units should be carefully evaluated in more detail prior to assuming that they will sufficiently alleviate exposures to toxic emissions.

Additionally, if enhanced filtration units are installed at the Proposed Project, and to ensure that they are enforceable throughout the lifetime of the Proposed Project as well as effective in reducing exposures to DPM emissions, South Coast AQMD staff recommends that the Lead Agency provide additional details regarding the ongoing, regular maintenance of filters in the Program EIR. To facilitate a good faith effort at full disclosure and provide useful information to future residents who will live and/or work at the Proposed Project, the Program EIR should include the following information, at a minimum:

- Disclosure on potential health impacts to prospective residents from living and/or working in proximity to freeways, and the reduced effectiveness of air filtration system when windows are open and when tenants are outdoor;
- Identification of the responsible implementing and enforcement agency such as the Lead Agency for ensuring that enhanced filters are installed on-site at the Proposed Project before a permit of occupancy is issued;
- Identification of the responsible implementing and enforcement agency such as the Lead Agency's building and safety inspection unit to provide periodic, regular inspection on filters;
- Provide information and guidance to the Project developer or proponent on the importance of filter installation and ongoing maintenance;
- Provide information to residents about where the MERV filers can be purchased;
- Disclosure on increased costs for purchasing enhanced filtration systems to prospective residents;
- Disclosure on increased energy costs for running the HVAC system with MERV filters to prospective residents;
- Disclosure on recommended schedules (e.g., once a year or every six months) for replacing the enhanced filtration units to prospective residents;
- Identification of the responsible entity such as residents, tenants, Homeowner's Association (HOA) or property management to ensure filters are replaced on time, if appropriate and feasible;

[6] This study evaluated filters rated MERV 13 or better. Accessed at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf. Also see 2012 Peer Review Journal article by South Coast AQMD: http://d7.iqair.com/sites/default/files/pdf/Polidori-et-al-2012.pdf.

- Develop ongoing cost sharing strategies between the HOA and residents/tenants, if available, for replacing the enhanced filtration units;
- Set up criteria for assessing progress in installing and replacing the enhanced filtration units; and
- Set up process for evaluating the effectiveness of the enhanced filtration units at the Proposed Project.

Alternatives

In the event that the Proposed Project generates significant adverse air quality impacts, CEQA requires the consideration and discussion of alternatives to the project or its location which are capable of avoiding or substantially lessening any of the significant effects of the project. The discussion of a reasonable range of potentially feasible alternatives, including a "no project" alternative, is intended to foster informed decision-making and public participation. Pursuant to CEQA Guidelines Section 15126.6(d), the Program EIR shall include sufficient information about each alternative to allow meaningful evaluation, analysis, and comparison with the Proposed Project.

Permits

In the event that implementation the Proposed Project requires a permit from South Coast AQMD, South Coast AQMD should be identified as a Responsible Agency for the Proposed Project in the Program EIR (CEQA Guidelines Section 15381). For more information on permits, please visit South Coast AQMD webpage at: http://www.aqmd.gov/home/permits. Questions on permits can be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385.

Data Sources

South Coast AQMD rules and relevant air quality reports and data are available by calling South Coast AQMD's Public Information Center at (909) 396-2039. Much of the information available through the Public Information Center is also available at South Coast AQMD's webpage at: http://www.aqmd.gov.

South Coast AQMD staff is available to work with the Lead Agency to ensure that project air quality impacts are accurately evaluated and any significant impacts are mitigated where feasible. If you have any questions regarding this letter, please contact me at lsun@aqmd.gov.

Sincerely,

Lijin Sun

Lijin Sun, J.D.
Program Supervisor, CEQA IGR
Planning, Rule Development & Area Sources

LS
LAC190404-05
Control Number

Appendix B

CalEEMod Output Worksheets

Compton Hub City - Existing Uses in Plan Area

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.55	Acre	89.95	1,243,638.00	0
General Light Industry	185.57	1000sqft	4.26	185,570.00	0
Regional Shopping Center	502.00	1000sqft	11.52	502,000.00	0
Place of Worship	11.68	1000sqft	0.27	11,675.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on applicant-provided information

Construction Phase - Construction phases not necessary for this run; Kept defaults

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Updated to reflect KOA trip generation rates from September 2019 study, including 10th ITE Ed

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	28.55	89.95
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.97	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.11	6.95

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, 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					
2021	4.2756	46.4546	31.6319	0.0642	18.2675	2.0459	20.3134	9.9840	1.8823	11.8663	0.0000	6,228.5241	6,228.5241	1.9488	0.0000	6,277.2430
2022	5.5690	46.2995	49.8492	0.1894	10.5973	1.6365	11.5205	3.6558	1.5056	5.1614	0.0000	19,320.9790	19,320.9790	1.9496	0.0000	19,354.0446
2023	5.0436	37.8640	47.0143	0.1838	10.5973	0.7838	11.3811	2.8566	0.7367	3.5933	0.0000	18,756.5484	18,756.5484	1.2337	0.0000	18,787.3912
2024	4.7765	36.7168	45.1375	0.1808	10.5973	0.6964	11.2937	2.8566	0.6542	3.5108	0.0000	18,468.5406	18,468.5406	1.2079	0.0000	18,498.7379
2025	4.5214	35.4199	43.2750	0.1773	10.5973	0.6091	11.2064	2.8566	0.5722	3.4288	0.0000	18,122.3507	18,122.3507	1.1825	0.0000	18,151.9138
2026	4.3906	35.1064	41.7719	0.1743	10.5973	0.6068	11.2041	2.8566	0.5700	3.4267	0.0000	17,818.1124	17,818.1124	1.1627	0.0000	17,847.1801
2027	4.2646	34.8117	40.4425	0.1716	10.5973	0.6034	11.2007	2.8566	0.5668	3.4235	0.0000	17,549.6873	17,549.6873	1.1443	0.0000	17,578.2942
2028	4.1373	34.5604	39.2875	0.1692	10.5973	0.5992	11.1965	2.8566	0.5629	3.4196	0.0000	17,314.6017	17,314.6017	1.1279	0.0000	17,342.7984
2029	3.9969	34.3159	38.1554	0.1671	10.5973	0.5953	11.1926	2.8566	0.5594	3.4160	0.0000	17,106.2598	17,106.2598	1.1124	0.0000	17,134.0703
2030	3.7972	29.5476	37.1941	0.1692	10.5973	0.2124	10.8097	2.8566	0.2081	3.0647	0.0000	17,262.4554	17,262.4554	0.6135	0.0000	17,277.7929
2031	3.6494	29.3868	36.2701	0.1678	10.5973	0.2094	10.8068	2.8566	0.2053	3.0619	0.0000	17,125.6568	17,125.6568	0.6012	0.0000	17,140.6867
2032	3.5145	29.1867	35.3917	0.1664	10.5973	0.2065	10.8038	2.8566	0.2026	3.0592	0.0000	16,986.8309	16,986.8309	0.5899	0.0000	17,001.5774
2033	3.3997	29.0099	34.6430	0.1652	10.5973	0.2038	10.8012	2.8566	0.2001	3.0568	0.0000	16,867.3150	16,867.3150	0.5801	0.0000	16,881.8175
2034	3.3021	28.8546	33.9187	0.1642	10.5974	0.3313	10.7987	2.8566	0.3312	3.0544	0.0000	16,764.3107	16,764.3107	0.5711	0.0000	16,778.5892
2035	31.4307	4.8888	16.0527	0.0292	1.7102	0.1880	1.7261	0.4536	0.1879	0.4690	0.0000	2,769.2963	2,769.2963	0.1036	0.0000	2,771.8852
2036	31.4307	0.8872	4.1647	0.0145	1.7102	0.0159	1.7261	0.4536	0.0154	0.4690	0.0000	1,431.7993	1,431.7993	0.0239	0.0000	1,432.3963
Maximum	**31.4307**	**46.4546**	**49.8492**	**0.1894**	**18.2675**	**2.0459**	**20.3134**	**9.9840**	**1.8823**	**11.8663**	**0.0000**	**19,320.9790**	**19,320.9790**	**1.9496**	**0.0000**	**19,354.0446**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, 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					
2021	4.2756	46.4546	31.6319	0.0642	8.3310	2.0459	10.3770	4.5222	1.8823	6.4044	0.0000	6,228.5241	6,228.5241	1.9488	0.0000	6,277.2430
2022	5.5690	46.2995	49.8492	0.1894	10.5973	1.6365	11.5205	2.8566	1.5056	3.7248	0.0000	19,320.9790	19,320.9790	1.9496	0.0000	19,354.0446
2023	5.0436	37.8640	47.0143	0.1838	10.5973	0.7838	11.3811	2.8566	0.7367	3.5933	0.0000	18,756.5484	18,756.5484	1.2337	0.0000	18,787.3912
2024	4.7765	36.7168	45.1375	0.1808	10.5973	0.6964	11.2937	2.8566	0.6542	3.5108	0.0000	18,468.5406	18,468.5406	1.2079	0.0000	18,498.7379
2025	4.5214	35.4199	43.2750	0.1773	10.5973	0.6091	11.2064	2.8566	0.5722	3.4288	0.0000	18,122.3507	18,122.3507	1.1825	0.0000	18,151.9138
2026	4.3906	35.1064	41.7719	0.1743	10.5973	0.6068	11.2041	2.8566	0.5700	3.4267	0.0000	17,818.1124	17,818.1124	1.1627	0.0000	17,847.1801
2027	4.2646	34.8117	40.4425	0.1716	10.5973	0.6034	11.2007	2.8566	0.5668	3.4235	0.0000	17,549.6873	17,549.6873	1.1443	0.0000	17,578.2942
2028	4.1373	34.5604	39.2875	0.1692	10.5973	0.5992	11.1965	2.8566	0.5629	3.4196	0.0000	17,314.6017	17,314.6017	1.1279	0.0000	17,342.7984
2029	3.9969	34.3159	38.1554	0.1671	10.5973	0.5953	11.1926	2.8566	0.5594	3.4160	0.0000	17,106.2598	17,106.2598	1.1124	0.0000	17,134.0703
2030	3.7972	29.5476	37.1941	0.1692	10.5973	0.2124	10.8097	2.8566	0.2081	3.0647	0.0000	17,262.4554	17,262.4554	0.6135	0.0000	17,277.7929
2031	3.6494	29.3868	36.2701	0.1678	10.5973	0.2094	10.8068	2.8566	0.2053	3.0619	0.0000	17,125.6568	17,125.6568	0.6012	0.0000	17,140.6867
2032	3.5145	29.1867	35.3917	0.1664	10.5973	0.2065	10.8038	2.8566	0.2026	3.0592	0.0000	16,986.8309	16,986.8309	0.5899	0.0000	17,001.5774
2033	3.3997	29.0099	34.6430	0.1652	10.5973	0.2038	10.8012	2.8566	0.2001	3.0568	0.0000	16,867.3150	16,867.3150	0.5801	0.0000	16,881.8175
2034	3.3021	28.8546	33.9187	0.1642	10.5974	0.3313	10.7987	2.8566	0.3312	3.0544	0.0000	16,764.3107	16,764.3107	0.5711	0.0000	16,778.5892
2035	31.4307	4.8888	16.0527	0.0292	1.7102	0.1880	1.7261	0.4536	0.1879	0.4690	0.0000	2,769.2963	2,769.2963	0.1036	0.0000	2,771.8852
2036	31.4307	0.8872	4.1647	0.0145	1.7102	0.0159	1.7261	0.4536	0.0154	0.4690	0.0000	1,431.7993	1,431.7993	0.0239	0.0000	1,432.3963
Maximum	**31.4307**	**46.4546**	**49.8492**	**0.1894**	**10.5974**	**2.0459**	**11.5205**	**4.5222**	**1.8823**	**6.4044**	**0.0000**	**19,320.9790**	**19,320.9790**	**1.9496**	**0.0000**	**19,354.0446**

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, 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	6.23	0.00	5.92	12.82	0.00	12.00	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	16.1632	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Energy	0.1298	1.1801	0.9913	7.0800e-003		0.0897	0.0897		0.0897	0.0897		1,416.0885	1,416.0885	0.0271	0.0260	1,424.5036
Mobile	41.6690	197.8433	463.7280	1.6051	124.3967	1.2664	125.6631	33.2846	1.1823	34.4669		163,363.4488	163,363.4488	8.2619		163,569.9951
Total	**57.9620**	**199.0240**	**464.7939**	**1.6122**	**124.3967**	**1.3564**	**125.7531**	**33.2846**	**1.2723**	**34.5569**		**164,779.6966**	**164,779.6966**	**8.2894**	**0.0260**	**164,994.6685**

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	16.1632	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Energy	0.1298	1.1801	0.9913	7.0800e-003		0.0897	0.0897		0.0897	0.0897		1,416.0885	1,416.0885	0.0271	0.0260	1,424.5036
Mobile	38.3787	175.3989	374.5621	1.2489	94.2255	0.9976	95.2231	25.2117	0.9311	26.1428		127,193.9462	127,193.9462	6.7678		127,363.1413
Total	**54.6717**	**176.5796**	**375.6279**	**1.2560**	**94.2255**	**1.0875**	**95.3130**	**25.2117**	**1.0210**	**26.2328**		**128,610.1940**	**128,610.1940**	**6.7954**	**0.0260**	**128,787.8147**

	ROG	NOx	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	**5.68**	**11.28**	**19.18**	**22.09**	**24.25**	**19.82**	**24.21**	**24.25**	**19.75**	**24.09**	**0.00**	**21.95**	**21.95**	**18.02**	**0.00**	**21.94**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/6/2021	8/20/2021	5	120	
2	Grading	Grading	8/21/2021	10/28/2022	5	310	
3	Building Construction	Building Construction	10/29/2022	9/15/2034	5	3100	
4	Paving	Paving	9/16/2034	7/20/2035	5	220	
5	Architectural Coating	Architectural Coating	7/21/2035	5/23/2036	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 89.95

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,048,868; Non-Residential Outdoor: 349,623; Striped Parking Area: 74,618 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	766.00	318.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	153.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 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**

3.2 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	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666
Total	**0.0760**	**0.0493**	**0.6781**	**2.0000e-003**	**0.2012**	**1.4800e-003**	**0.2027**	**0.0534**	**1.3600e-003**	**0.0547**		**199.3326**	**199.3326**	**5.3600e-003**		**199.4666**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			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**	**8.1298**	**2.0445**	**10.1743**	**4.4688**	**1.8809**	**6.3497**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666
Total	**0.0760**	**0.0493**	**0.6781**	**2.0000e-003**	**0.2012**	**1.4800e-003**	**0.2027**	**0.0534**	**1.3600e-003**	**0.0547**		**199.3326**	**199.3326**	**5.3600e-003**		**199.4666**

3.3 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**

3.3 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	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0844**	**0.0548**	**0.7535**	**2.2200e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**221.4807**	**221.4807**	**5.9600e-003**		**221.6296**

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			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**	**3.9030**	**1.9853**	**5.8883**	**1.6184**	**1.8265**	**3.4449**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0844**	**0.0548**	**0.7535**	**2.2200e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**221.4807**	**221.4807**	**5.9600e-003**		**221.6296**

3.3 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**

3.3 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	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	**0.0792**	**0.0495**	**0.6967**	**2.1400e-003**	**0.2236**	**1.6000e-003**	**0.2252**	**0.0593**	**1.4700e-003**	**0.0608**		**213.5448**	**213.5448**	**5.3800e-003**		**213.6794**

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			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**	**3.9030**	**1.6349**	**5.5379**	**1.6184**	**1.5041**	**3.1225**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 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	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	**0.0792**	**0.0495**	**0.6967**	**2.1400e-003**	**0.2236**	**1.6000e-003**	**0.2252**	**0.0593**	**1.4700e-003**	**0.0608**		**213.5448**	**213.5448**	**5.3800e-003**		**213.6794**

3.4 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**

3.4 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	0.8298	28.7895	6.8020	0.0804	2.0352	0.0529	2.0882	0.5859	0.0506	0.6365		8,587.8801	8,587.8801	0.5045		8,600.4930
Worker	3.0330	1.8943	26.6838	0.0821	8.5621	0.0612	8.6233	2.2707	0.0564	2.3271		8,178.7653	8,178.7653	0.2062		8,183.9194
Total	**3.8628**	**30.6838**	**33.4858**	**0.1624**	**10.5973**	**0.1141**	**10.7115**	**2.8566**	**0.1070**	**2.9636**		**16,766.6455**	**16,766.6455**	**0.7107**		**16,784.4124**

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**

3.4 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	0.8298	28.7895	6.8020	0.0804	2.0352	0.0529	2.0882	0.5859	0.0506	0.6365		8,587.8801	8,587.8801	0.5045		8,600.4930
Worker	3.0330	1.8943	26.6838	0.0821	8.5621	0.0612	8.6233	2.2707	0.0564	2.3271		8,178.7653	8,178.7653	0.2062		8,183.9194
Total	**3.8628**	**30.6838**	**33.4858**	**0.1624**	**10.5973**	**0.1141**	**10.7115**	**2.8566**	**0.1070**	**2.9636**		**16,766.6455**	**16,766.6455**	**0.7107**		**16,784.4124**

3.4 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**

3.4 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	0.6191	21.7650	6.1284	0.0778	2.0352	0.0245	2.0597	0.5859	0.0234	0.6093		8,327.3934	8,327.3934	0.4399		8,338.3917
Worker	2.8517	1.7141	24.6419	0.0790	8.5621	0.0596	8.6217	2.2707	0.0549	2.3256		7,873.9451	7,873.9451	0.1859		7,878.5934
Total	**3.4708**	**23.4791**	**30.7703**	**0.1568**	**10.5973**	**0.0841**	**10.6814**	**2.8566**	**0.0783**	**2.9349**		**16,201.3385**	**16,201.3385**	**0.6259**		**16,216.9851**

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**

3.4 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	0.6191	21.7650	6.1284	0.0778	2.0352	0.0245	2.0597	0.5859	0.0234	0.6093		8,327.3934	8,327.3934	0.4399		8,338.3917
Worker	2.8517	1.7141	24.6419	0.0790	8.5621	0.0596	8.6217	2.2707	0.0549	2.3256		7,873.9451	7,873.9451	0.1859		7,878.5934
Total	**3.4708**	**23.4791**	**30.7703**	**0.1568**	**10.5973**	**0.0841**	**10.6814**	**2.8566**	**0.0783**	**2.9349**		**16,201.3385**	**16,201.3385**	**0.6259**		**16,216.9851**

3.4 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**

3.4 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	0.6061	21.7110	5.9520	0.0775	2.0352	0.0242	2.0594	0.5859	0.0232	0.6091		8,297.2013	8,297.2013	0.4331		8,308.0285
Worker	2.6989	1.5620	23.0186	0.0764	8.5621	0.0588	8.6209	2.2707	0.0542	2.3249		7,615.6405	7,615.6405	0.1705		7,619.9017
Total	**3.3050**	**23.2730**	**28.9707**	**0.1539**	**10.5973**	**0.0831**	**10.6804**	**2.8566**	**0.0773**	**2.9339**		**15,912.8417**	**15,912.8417**	**0.6035**		**15,927.9303**

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**

3.4 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	0.6061	21.7110	5.9520	0.0775	2.0352	0.0242	2.0594	0.5859	0.0232	0.6091		8,297.2013	8,297.2013	0.4331		8,308.0285
Worker	2.6989	1.5620	23.0186	0.0764	8.5621	0.0588	8.6209	2.2707	0.0542	2.3249		7,615.6405	7,615.6405	0.1705		7,619.9017
Total	**3.3050**	**23.2730**	**28.9707**	**0.1539**	**10.5973**	**0.0831**	**10.6804**	**2.8566**	**0.0773**	**2.9339**		**15,912.8417**	**15,912.8417**	**0.6035**		**15,927.9303**

3.4 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**

3.4 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	0.5907	21.5218	5.7948	0.0770	2.0352	0.0239	2.0591	0.5859	0.0228	0.6087		8,250.0373	8,250.0373	0.4262		8,260.6925
Worker	2.5633	1.4285	21.3955	0.0734	8.5621	0.0577	8.6198	2.2707	0.0531	2.3238		7,315.8390	7,315.8390	0.1554		7,319.7233
Total	**3.1540**	**22.9502**	**27.1903**	**0.1504**	**10.5973**	**0.0816**	**10.6789**	**2.8566**	**0.0759**	**2.9326**		**15,565.8763**	**15,565.8763**	**0.5816**		**15,580.4157**

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**

3.4 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	0.5907	21.5218	5.7948	0.0770	2.0352	0.0239	2.0591	0.5859	0.0228	0.6087		8,250.0373	8,250.0373	0.4262		8,260.6925
Worker	2.5633	1.4285	21.3955	0.0734	8.5621	0.0577	8.6198	2.2707	0.0531	2.3238		7,315.8390	7,315.8390	0.1554		7,319.7233
Total	**3.1540**	**22.9502**	**27.1903**	**0.1504**	**10.5973**	**0.0816**	**10.6789**	**2.8566**	**0.0759**	**2.9326**		**15,565.8763**	**15,565.8763**	**0.5816**		**15,580.4157**

3.4 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**

3.4 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	0.5773	21.3215	5.6743	0.0766	2.0352	0.0235	2.0587	0.5859	0.0224	0.6083		8,204.8499	8,204.8499	0.4194		8,215.3346
Worker	2.4460	1.3152	20.0130	0.0708	8.5621	0.0558	8.6179	2.2707	0.0514	2.3221		7,056.7881	7,056.7881	0.1424		7,060.3475
Total	**3.0232**	**22.6367**	**25.6873**	**0.1473**	**10.5973**	**0.0793**	**10.6766**	**2.8566**	**0.0738**	**2.9304**		**15,261.6381**	**15,261.6381**	**0.5618**		**15,275.6821**

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**

3.4 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	0.5773	21.3215	5.6743	0.0766	2.0352	0.0235	2.0587	0.5859	0.0224	0.6083		8,204.8499	8,204.8499	0.4194		8,215.3346
Worker	2.4460	1.3152	20.0130	0.0708	8.5621	0.0558	8.6179	2.2707	0.0514	2.3221		7,056.7881	7,056.7881	0.1424		7,060.3475
Total	**3.0232**	**22.6367**	**25.6873**	**0.1473**	**10.5973**	**0.0793**	**10.6766**	**2.8566**	**0.0738**	**2.9304**		**15,261.6381**	**15,261.6381**	**0.5618**		**15,275.6821**

3.4 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**

3.4 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	0.5660	21.1288	5.5770	0.0761	2.0352	0.0230	2.0583	0.5859	0.0220	0.6080		8,164.6366	8,164.6366	0.4127		8,174.9528
Worker	2.3313	1.2133	18.7809	0.0685	8.5621	0.0528	8.6148	2.2707	0.0485	2.3193		6,828.5764	6,828.5764	0.1307		6,831.8433
Total	**2.8972**	**22.3420**	**24.3578**	**0.1446**	**10.5973**	**0.0758**	**10.6731**	**2.8566**	**0.0706**	**2.9272**		**14,993.2130**	**14,993.2130**	**0.5433**		**15,006.7961**

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**

3.4 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	0.5660	21.1288	5.5770	0.0761	2.0352	0.0230	2.0583	0.5859	0.0220	0.6080		8,164.6366	8,164.6366	0.4127		8,174.9528
Worker	2.3313	1.2133	18.7809	0.0685	8.5621	0.0528	8.6148	2.2707	0.0485	2.3193		6,828.5764	6,828.5764	0.1307		6,831.8433
Total	**2.8972**	**22.3420**	**24.3578**	**0.1446**	**10.5973**	**0.0758**	**10.6731**	**2.8566**	**0.0706**	**2.9272**		**14,993.2130**	**14,993.2130**	**0.5433**		**15,006.7961**

3.4 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**

3.4 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	0.5564	20.9689	5.5023	0.0758	2.0352	0.0227	2.0580	0.5859	0.0217	0.6076		8,130.3636	8,130.3636	0.4063		8,140.5221
Worker	2.2135	1.1218	17.7005	0.0664	8.5621	0.0489	8.6110	2.2707	0.0450	2.3157		6,627.7637	6,627.7637	0.1206		6,630.7783
Total	**2.7699**	**22.0907**	**23.2028**	**0.1422**	**10.5973**	**0.0716**	**10.6689**	**2.8566**	**0.0667**	**2.9233**		**14,758.1274**	**14,758.1274**	**0.5269**		**14,771.3004**

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**

3.4 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	0.5564	20.9689	5.5023	0.0758	2.0352	0.0227	2.0580	0.5859	0.0217	0.6076		8,130.3636	8,130.3636	0.4063		8,140.5221
Worker	2.2135	1.1218	17.7005	0.0664	8.5621	0.0489	8.6110	2.2707	0.0450	2.3157		6,627.7637	6,627.7637	0.1206		6,630.7783
Total	**2.7699**	**22.0907**	**23.2028**	**0.1422**	**10.5973**	**0.0716**	**10.6689**	**2.8566**	**0.0667**	**2.9233**		**14,758.1274**	**14,758.1274**	**0.5269**		**14,771.3004**

3.4 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**

3.4 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	0.5476	20.8126	5.4325	0.0755	2.0353	0.0224	2.0576	0.5859	0.0214	0.6073		8,099.9038	8,099.9038	0.4008		8,109.9230
Worker	2.0819	1.0336	16.6383	0.0646	8.5621	0.0454	8.6075	2.2707	0.0418	2.3125		6,449.8816	6,449.8816	0.1107		6,452.6492
Total	**2.6295**	**21.8462**	**22.0708**	**0.1401**	**10.5973**	**0.0678**	**10.6651**	**2.8566**	**0.0631**	**2.9198**		**14,549.7854**	**14,549.7854**	**0.5115**		**14,562.5722**

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**

3.4 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	0.5476	20.8126	5.4325	0.0755	2.0353	0.0224	2.0576	0.5859	0.0214	0.6073		8,099.9038	8,099.9038	0.4008		8,109.9230
Worker	2.0819	1.0336	16.6383	0.0646	8.5621	0.0454	8.6075	2.2707	0.0418	2.3125		6,449.8816	6,449.8816	0.1107		6,452.6492
Total	**2.6295**	**21.8462**	**22.0708**	**0.1401**	**10.5973**	**0.0678**	**10.6651**	**2.8566**	**0.0631**	**2.9198**		**14,549.7854**	**14,549.7854**	**0.5115**		**14,562.5722**

3.4 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**

3.4 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	0.5401	20.6627	5.3795	0.0752	2.0353	0.0220	2.0573	0.5859	0.0210	0.6070		8,072.6813	8,072.6813	0.3956		8,082.5721
Worker	1.9481	0.9502	15.6576	0.0631	8.5621	0.0423	8.6044	2.2707	0.0389	2.3096		6,292.2274	6,292.2274	0.1016		6,294.7679
Total	**2.4881**	**21.6129**	**21.0371**	**0.1383**	**10.5973**	**0.0643**	**10.6616**	**2.8566**	**0.0599**	**2.9165**		**14,364.9087**	**14,364.9087**	**0.4973**		**14,377.3400**

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**

3.4 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	0.5401	20.6627	5.3795	0.0752	2.0353	0.0220	2.0573	0.5859	0.0210	0.6070		8,072.6813	8,072.6813	0.3956		8,082.5721
Worker	1.9481	0.9502	15.6576	0.0631	8.5621	0.0423	8.6044	2.2707	0.0389	2.3096		6,292.2274	6,292.2274	0.1016		6,294.7679
Total	**2.4881**	**21.6129**	**21.0371**	**0.1383**	**10.5973**	**0.0643**	**10.6616**	**2.8566**	**0.0599**	**2.9165**		**14,364.9087**	**14,364.9087**	**0.4973**		**14,377.3400**

3.4 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**

3.4 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	0.5377	20.5838	5.3674	0.0751	2.0353	0.0217	2.0570	0.5859	0.0208	0.6067		8,064.6435	8,064.6435	0.3917		8,074.4356
Worker	1.8026	0.8684	14.7457	0.0618	8.5621	0.0396	8.6016	2.2707	0.0364	2.3071		6,163.4666	6,163.4666	0.0933		6,165.7982
Total	**2.3402**	**21.4522**	**20.1131**	**0.1369**	**10.5973**	**0.0613**	**10.6586**	**2.8566**	**0.0572**	**2.9138**		**14,228.1101**	**14,228.1101**	**0.4849**		**14,240.2338**

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	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**

3.4 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	0.5377	20.5838	5.3674	0.0751	2.0353	0.0217	2.0570	0.5859	0.0208	0.6067		8,064.6435	8,064.6435	0.3917		8,074.4356
Worker	1.8026	0.8684	14.7457	0.0618	8.5621	0.0396	8.6016	2.2707	0.0364	2.3071		6,163.4666	6,163.4666	0.0933		6,165.7982
Total	**2.3402**	**21.4522**	**20.1131**	**0.1369**	**10.5973**	**0.0613**	**10.6586**	**2.8566**	**0.0572**	**2.9138**		**14,228.1101**	**14,228.1101**	**0.4849**		**14,240.2338**

3.4 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**

3.4 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	0.5330	20.4551	5.3435	0.0749	2.0353	0.0215	2.0567	0.5859	0.0205	0.6065		8,048.6947	8,048.6947	0.3881		8,058.3968
Worker	1.6724	0.7970	13.8912	0.0605	8.5621	0.0369	8.5990	2.2707	0.0339	2.3046		6,040.5894	6,040.5894	0.0855		6,042.7278
Total	**2.2054**	**21.2521**	**19.2347**	**0.1355**	**10.5973**	**0.0584**	**10.6557**	**2.8566**	**0.0544**	**2.9111**		**14,089.2841**	**14,089.2841**	**0.4736**		**14,101.1246**

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**

3.4 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	0.5330	20.4551	5.3435	0.0749	2.0353	0.0215	2.0567	0.5859	0.0205	0.6065		8,048.6947	8,048.6947	0.3881		8,058.3968
Worker	1.6724	0.7970	13.8912	0.0605	8.5621	0.0369	8.5990	2.2707	0.0339	2.3046		6,040.5894	6,040.5894	0.0855		6,042.7278
Total	**2.2054**	**21.2521**	**19.2347**	**0.1355**	**10.5973**	**0.0584**	**10.6557**	**2.8566**	**0.0544**	**2.9111**		**14,089.2841**	**14,089.2841**	**0.4736**		**14,101.1246**

3.4 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**

3.4 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	0.5296	20.3389	5.3273	0.0748	2.0353	0.0212	2.0565	0.5859	0.0203	0.6062		8,036.4015	8,036.4015	0.3849		8,046.0248
Worker	1.5609	0.7364	13.1588	0.0594	8.5621	0.0345	8.5965	2.2707	0.0317	2.3024		5,933.3667	5,933.3667	0.0789		5,935.3399
Total	**2.0906**	**21.0753**	**18.4860**	**0.1342**	**10.5973**	**0.0557**	**10.6531**	**2.8566**	**0.0520**	**2.9086**		**13,969.7682**	**13,969.7682**	**0.4639**		**13,981.3646**

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**

3.4 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	0.5296	20.3389	5.3273	0.0748	2.0353	0.0212	2.0565	0.5859	0.0203	0.6062		8,036.4015	8,036.4015	0.3849		8,046.0248
Worker	1.5609	0.7364	13.1588	0.0594	8.5621	0.0345	8.5965	2.2707	0.0317	2.3024		5,933.3667	5,933.3667	0.0789		5,935.3399
Total	**2.0906**	**21.0753**	**18.4860**	**0.1342**	**10.5973**	**0.0557**	**10.6531**	**2.8566**	**0.0520**	**2.9086**		**13,969.7682**	**13,969.7682**	**0.4639**		**13,981.3646**

3.4 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**

3.4 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	0.5266	20.2343	5.3097	0.0747	2.0353	0.0210	2.0563	0.5859	0.0201	0.6060		8,027.2019	8,027.2019	0.3823		8,036.7584
Worker	1.4663	0.6857	12.4520	0.0585	8.5621	0.0322	8.5943	2.2707	0.0296	2.3003		5,839.5620	5,839.5620	0.0726		5,841.3780
Total	**1.9930**	**20.9200**	**17.7617**	**0.1332**	**10.5974**	**0.0532**	**10.6505**	**2.8566**	**0.0497**	**2.9063**		**13,866.7639**	**13,866.7639**	**0.4549**		**13,878.1364**

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**

3.4 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	0.5266	20.2343	5.3097	0.0747	2.0353	0.0210	2.0563	0.5859	0.0201	0.6060		8,027.2019	8,027.2019	0.3823		8,036.7584
Worker	1.4663	0.6857	12.4520	0.0585	8.5621	0.0322	8.5943	2.2707	0.0296	2.3003		5,839.5620	5,839.5620	0.0726		5,841.3780
Total	**1.9930**	**20.9200**	**17.7617**	**0.1332**	**10.5974**	**0.0532**	**10.6505**	**2.8566**	**0.0497**	**2.9063**		**13,866.7639**	**13,866.7639**	**0.4549**		**13,878.1364**

3.5 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	1.0712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4557**	**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**

3.5 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	0.0287	0.0134	0.2438	1.1500e-003	0.1677	6.3000e-004	0.1683	0.0445	5.8000e-004	0.0451		114.3517	114.3517	1.4200e-003		114.3873
Total	**0.0287**	**0.0134**	**0.2438**	**1.1500e-003**	**0.1677**	**6.3000e-004**	**0.1683**	**0.0445**	**5.8000e-004**	**0.0451**		**114.3517**	**114.3517**	**1.4200e-003**		**114.3873**

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	1.0712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4557**	**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**

3.5 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	0.0287	0.0134	0.2438	1.1500e-003	0.1677	6.3000e-004	0.1683	0.0445	5.8000e-004	0.0451		114.3517	114.3517	1.4200e-003		114.3873
Total	**0.0287**	**0.0134**	**0.2438**	**1.1500e-003**	**0.1677**	**6.3000e-004**	**0.1683**	**0.0445**	**5.8000e-004**	**0.0451**		**114.3517**	**114.3517**	**1.4200e-003**		**114.3873**

3.5 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	1.0712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2117**	**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**

3.5 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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

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	1.0712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2117**	**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**

3.5 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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

3.6 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	31.0357					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	**31.1536**	**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**

3.6 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	0.2771	0.1295	2.3704	0.0115	1.7102	6.0200e-003	1.7162	0.4536	5.5400e-003	0.4591		1,150.3512	1,150.3512	0.0135		1,150.6883
Total	**0.2771**	**0.1295**	**2.3704**	**0.0115**	**1.7102**	**6.0200e-003**	**1.7162**	**0.4536**	**5.5400e-003**	**0.4591**		**1,150.3512**	**1,150.3512**	**0.0135**		**1,150.6883**

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	31.0357					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	**31.1536**	**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**

3.6 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	0.2771	0.1295	2.3704	0.0115	1.7102	6.0200e-003	1.7162	0.4536	5.5400e-003	0.4591		1,150.3512	1,150.3512	0.0135		1,150.6883
Total	**0.2771**	**0.1295**	**2.3704**	**0.0115**	**1.7102**	**6.0200e-003**	**1.7162**	**0.4536**	**5.5400e-003**	**0.4591**		**1,150.3512**	**1,150.3512**	**0.0135**		**1,150.6883**

3.6 Architectural Coating - 2036

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	31.0357					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	**31.1536**	**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**

3.6 Architectural Coating - 2036

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	0.2771	0.1295	2.3704	0.0115	1.7102	6.0200e-003	1.7162	0.4536	5.5400e-003	0.4591		1,150.3512	1,150.3512	0.0135		1,150.6883
Total	**0.2771**	**0.1295**	**2.3704**	**0.0115**	**1.7102**	**6.0200e-003**	**1.7162**	**0.4536**	**5.5400e-003**	**0.4591**		**1,150.3512**	**1,150.3512**	**0.0135**		**1,150.6883**

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	31.0357					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	**31.1536**	**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**

3.6 Architectural Coating - 2036

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	0.2771	0.1295	2.3704	0.0115	1.7102	6.0200e-003	1.7162	0.4536	5.5400e-003	0.4591		1,150.3512	1,150.3512	0.0135		1,150.6883
Total	**0.2771**	**0.1295**	**2.3704**	**0.0115**	**1.7102**	**6.0200e-003**	**1.7162**	**0.4536**	**5.5400e-003**	**0.4591**		**1,150.3512**	**1,150.3512**	**0.0135**		**1,150.6883**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	38.3787	175.3989	374.5621	1.2489	94.2255	0.9976	95.2231	25.2117	0.9311	26.1428		127,193.9462	127,193.9462	6.7678		127,363.1413
Unmitigated	41.6690	197.8433	463.7280	1.6051	124.3967	1.2664	125.6631	33.2846	1.1823	34.4669		163,363.4488	163,363.4488	8.2619		163,569.9951

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	920.43	244.95	126.19	3,146,149	2,383,082
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	18,950.50	25,084.94	12670.48	40,941,993	31,011,922
Place of Worship	81.14	69.93	322.58	243,205	184,218
Total	19,952.07	25,399.83	13,119.25	44,331,348	33,579,223

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Regional Shopping Center	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Place of Worship	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1298	1.1801	0.9913	7.0800e-003		0.0897	0.0897		0.0897	0.0897		1,416.0885	1,416.0885	0.0271	0.0260	1,424.5036
NaturalGas Unmitigated	0.1298	1.1801	0.9913	7.0800e-003		0.0897	0.0897		0.0897	0.0897		1,416.0885	1,416.0885	0.0271	0.0260	1,424.5036

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					
General Light Industry	9202.24	0.0992	0.9022	0.7578	5.4100e-003		0.0686	0.0686		0.0686	0.0686		1,082.6163	1,082.6163	0.0208	0.0199	1,089.0497
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	578.952	6.2400e-003	0.0568	0.0477	3.4000e-004		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003		68.1120	68.1120	1.3100e-003	1.2500e-003	68.5168
Regional Shopping Center	2255.56	0.0243	0.2211	0.1858	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3602	265.3602	5.0900e-003	4.8600e-003	266.9371
Total		**0.1298**	**1.1801**	**0.9913**	**7.0800e-003**		**0.0897**	**0.0897**		**0.0897**	**0.0897**		**1,416.0885**	**1,416.0885**	**0.0272**	**0.0260**	**1,424.5036**

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					
General Light Industry	9.20224	0.0992	0.9022	0.7578	5.4100e-003		0.0686	0.0686		0.0686	0.0686		1,082.6163	1,082.6163	0.0208	0.0199	1,089.0497
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.578952	6.2400e-003	0.0568	0.0477	3.4000e-004		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003		68.1120	68.1120	1.3100e-003	1.2500e-003	68.5168
Regional Shopping Center	2.25556	0.0243	0.2211	0.1858	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3602	265.3602	5.0900e-003	4.8600e-003	266.9371
Total		**0.1298**	**1.1801**	**0.9913**	**7.0800e-003**		**0.0897**	**0.0897**		**0.0897**	**0.0897**		**1,416.0885**	**1,416.0885**	**0.0272**	**0.0260**	**1,424.5036**

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	16.1632	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Unmitigated	16.1632	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699

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	1.8707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2856					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9700e-003	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Total	**16.1632**	**6.8000e-004**	**0.0746**	**1.0000e-005**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**		**0.1593**	**0.1593**	**4.2000e-004**		**0.1699**

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	1.8707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2856					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9700e-003	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Total	**16.1632**	**6.8000e-004**	**0.0746**	**1.0000e-005**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**		**0.1593**	**0.1593**	**4.2000e-004**		**0.1699**

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

Compton Hub City - Existing Uses in Plan Area

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.55	Acre	89.95	1,243,638.00	0
General Light Industry	185.57	1000sqft	4.26	185,570.00	0
Regional Shopping Center	502.00	1000sqft	11.52	502,000.00	0
Place of Worship	11.68	1000sqft	0.27	11,675.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on applicant-provided information

Construction Phase - Construction phases not necessary for this run; Kept defaults

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Updated to reflect KOA trip generation rates from September 2019 study, including 10th ITE Ed

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	28.55	89.95
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.97	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.11	6.95

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, 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					
2021	4.2834	46.4598	31.5555	0.0641	18.2675	2.0459	20.3134	9.9840	1.8823	11.8663	0.0000	6,214.1770	6,214.1770	1.9484	0.0000	6,262.8858
2022	5.9024	46.3633	47.9147	0.1817	10.5973	1.6365	11.5222	3.6558	1.5056	5.1614	0.0000	18,540.8996	18,540.8996	1.9492	0.0000	18,574.5355
2023	5.3584	37.8855	45.0387	0.1764	10.5973	0.7850	11.3823	2.8566	0.7379	3.5945	0.0000	18,007.4413	18,007.4413	1.2496	0.0000	18,038.6823
2024	5.0839	36.7301	43.2759	0.1737	10.5973	0.6974	11.2947	2.8566	0.6552	3.5119	0.0000	17,737.7972	17,737.7972	1.2238	0.0000	17,768.3924
2025	4.8223	35.4209	41.5515	0.1704	10.5973	0.6101	11.2074	2.8566	0.5731	3.4297	0.0000	17,413.6121	17,413.6121	1.1985	0.0000	17,443.5746
2026	4.6867	35.0966	40.1657	0.1675	10.5973	0.6077	11.2050	2.8566	0.5708	3.4275	0.0000	17,128.4936	17,128.4936	1.1787	0.0000	17,157.9599
2027	4.5547	34.7911	38.9412	0.1650	10.5973	0.6041	11.2014	2.8566	0.5676	3.4242	0.0000	16,876.4600	16,876.4600	1.1601	0.0000	16,905.4628
2028	4.4187	34.5315	37.8791	0.1628	10.5973	0.5998	11.1972	2.8566	0.5636	3.4202	0.0000	16,655.7724	16,655.7724	1.1436	0.0000	16,684.3617
2029	4.2671	34.2783	36.8363	0.1608	10.5973	0.5959	11.1932	2.8566	0.5600	3.4166	0.0000	16,459.8415	16,459.8415	1.1281	0.0000	16,488.0428
2030	4.0549	29.5012	35.9572	0.1630	10.5973	0.2129	10.8103	2.8566	0.2086	3.0652	0.0000	16,626.7086	16,626.7086	0.6291	0.0000	16,642.4357
2031	3.8919	29.3344	35.1009	0.1617	10.5973	0.2099	10.8073	2.8566	0.2058	3.0624	0.0000	16,497.3789	16,497.3789	0.6167	0.0000	16,512.7969
2032	3.7436	29.1260	34.2961	0.1604	10.5973	0.2069	10.8043	2.8566	0.2030	3.0596	0.0000	16,365.9842	16,365.9842	0.6054	0.0000	16,381.1197
2033	3.6176	28.9417	33.6124	0.1592	10.5973	0.2042	10.8016	2.8566	0.2005	3.0571	0.0000	16,252.5914	16,252.5914	0.5957	0.0000	16,267.4837
2034	3.5109	28.7798	32.9519	0.1582	10.5974	0.3313	10.7990	2.8566	0.3312	3.0548	0.0000	16,154.6457	16,154.6457	0.5868	0.0000	16,169.3161
2035	31.4656	4.8899	16.0245	0.0291	1.7102	0.1880	1.7261	0.4536	0.1879	0.4690	0.0000	2,761.8080	2,761.8080	0.1035	0.0000	2,764.3943
2036	31.4656	0.8985	3.8771	0.0137	1.7102	0.0159	1.7261	0.4536	0.0154	0.4690	0.0000	1,355.4188	1,355.4188	0.0228	0.0000	1,355.9886
Maximum	**31.4656**	**46.4598**	**47.9147**	**0.1817**	**18.2675**	**2.0459**	**20.3134**	**9.9840**	**1.8823**	**11.8663**	**0.0000**	**18,540.8996**	**18,540.8996**	**1.9492**	**0.0000**	**18,574.5355**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, 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					
2021	4.2834	46.4598	31.5555	0.0641	8.3310	2.0459	10.3770	4.5222	1.8823	6.4044	0.0000	6,214.1770	6,214.1770	1.9484	0.0000	6,262.8858
2022	5.9024	46.3633	47.9147	0.1817	10.5973	1.6365	11.5222	2.8566	1.5056	3.7264	0.0000	18,540.8996	18,540.8996	1.9492	0.0000	18,574.5355
2023	5.3584	37.8855	45.0387	0.1764	10.5973	0.7850	11.3823	2.8566	0.7379	3.5945	0.0000	18,007.4413	18,007.4413	1.2496	0.0000	18,038.6823
2024	5.0839	36.7301	43.2759	0.1737	10.5973	0.6974	11.2947	2.8566	0.6552	3.5119	0.0000	17,737.7972	17,737.7972	1.2238	0.0000	17,768.3924
2025	4.8223	35.4209	41.5515	0.1704	10.5973	0.6101	11.2074	2.8566	0.5731	3.4297	0.0000	17,413.6121	17,413.6121	1.1985	0.0000	17,443.5746
2026	4.6867	35.0966	40.1657	0.1675	10.5973	0.6077	11.2050	2.8566	0.5708	3.4275	0.0000	17,128.4936	17,128.4936	1.1787	0.0000	17,157.9599
2027	4.5547	34.7911	38.9412	0.1650	10.5973	0.6041	11.2014	2.8566	0.5676	3.4242	0.0000	16,876.4600	16,876.4600	1.1601	0.0000	16,905.4628
2028	4.4187	34.5315	37.8791	0.1628	10.5973	0.5998	11.1972	2.8566	0.5636	3.4202	0.0000	16,655.7724	16,655.7724	1.1436	0.0000	16,684.3617
2029	4.2671	34.2783	36.8363	0.1608	10.5973	0.5959	11.1932	2.8566	0.5600	3.4166	0.0000	16,459.8415	16,459.8415	1.1281	0.0000	16,488.0428
2030	4.0549	29.5012	35.9572	0.1630	10.5973	0.2129	10.8103	2.8566	0.2086	3.0652	0.0000	16,626.7086	16,626.7086	0.6291	0.0000	16,642.4357
2031	3.8919	29.3344	35.1009	0.1617	10.5973	0.2099	10.8073	2.8566	0.2058	3.0624	0.0000	16,497.3789	16,497.3789	0.6167	0.0000	16,512.7969
2032	3.7436	29.1260	34.2961	0.1604	10.5973	0.2069	10.8043	2.8566	0.2030	3.0596	0.0000	16,365.9842	16,365.9842	0.6054	0.0000	16,381.1197
2033	3.6176	28.9417	33.6124	0.1592	10.5973	0.2042	10.8016	2.8566	0.2005	3.0571	0.0000	16,252.5914	16,252.5914	0.5957	0.0000	16,267.4837
2034	3.5109	28.7798	32.9519	0.1582	10.5974	0.3313	10.7990	2.8566	0.3312	3.0548	0.0000	16,154.6457	16,154.6457	0.5868	0.0000	16,169.3161
2035	31.4656	4.8899	16.0245	0.0291	1.7102	0.1880	1.7261	0.4536	0.1879	0.4690	0.0000	2,761.8080	2,761.8080	0.1035	0.0000	2,764.3943
2036	31.4656	0.8985	3.8771	0.0137	1.7102	0.0159	1.7261	0.4536	0.0154	0.4690	0.0000	1,355.4188	1,355.4188	0.0228	0.0000	1,355.9886
Maximum	**31.4656**	**46.4598**	**47.9147**	**0.1817**	**10.5974**	**2.0459**	**11.5222**	**4.5222**	**1.8823**	**6.4044**	**0.0000**	**18,540.8996**	**18,540.8996**	**1.9492**	**0.0000**	**18,574.5355**

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, 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	6.23	0.00	5.91	12.82	0.00	12.00	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	16.1632	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Energy	0.1298	1.1801	0.9913	7.0800e-003		0.0897	0.0897		0.0897	0.0897		1,416.0885	1,416.0885	0.0271	0.0260	1,424.5036
Mobile	39.5135	200.3791	442.3080	1.5171	124.3967	1.2772	125.6739	33.2846	1.1926	34.4772		154,484.7064	154,484.7064	8.3413		154,693.2400
Total	**55.8064**	**201.5599**	**443.3738**	**1.5242**	**124.3967**	**1.3672**	**125.7638**	**33.2846**	**1.2826**	**34.5672**		**155,900.9542**	**155,900.9542**	**8.3689**	**0.0260**	**156,117.9134**

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	16.1632	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Energy	0.1298	1.1801	0.9913	7.0800e-003		0.0897	0.0897		0.0897	0.0897		1,416.0885	1,416.0885	0.0271	0.0260	1,424.5036
Mobile	36.3238	176.6667	362.9978	1.1793	94.2255	1.0083	95.2338	25.2117	0.9414	26.1531		120,136.2931	120,136.2931	6.8952		120,308.6723
Total	**52.6168**	**177.8475**	**364.0636**	**1.1864**	**94.2255**	**1.0983**	**95.3238**	**25.2117**	**1.0313**	**26.2431**		**121,552.5409**	**121,552.5409**	**6.9227**	**0.0260**	**121,733.3457**

	ROG	NOx	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	**5.72**	**11.76**	**17.89**	**22.17**	**24.25**	**19.67**	**24.20**	**24.25**	**19.59**	**24.08**	**0.00**	**22.03**	**22.03**	**17.28**	**0.00**	**22.02**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/6/2021	8/20/2021	5	120	
2	Grading	Grading	8/21/2021	10/28/2022	5	310	
3	Building Construction	Building Construction	10/29/2022	9/15/2034	5	3100	
4	Paving	Paving	9/16/2034	7/20/2035	5	220	
5	Architectural Coating	Architectural Coating	7/21/2035	5/23/2036	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 89.95

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,048,868; Non-Residential Outdoor: 349,623; Striped Parking Area: 74,618 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	766.00	318.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	153.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 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**

3.2 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	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451
Total	**0.0830**	**0.0539**	**0.6094**	**1.8700e-003**	**0.2012**	**1.4800e-003**	**0.2027**	**0.0534**	**1.3600e-003**	**0.0547**		**186.4202**	**186.4202**	**5.0000e-003**		**186.5451**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			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**	**8.1298**	**2.0445**	**10.1743**	**4.4688**	**1.8809**	**6.3497**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451
Total	**0.0830**	**0.0539**	**0.6094**	**1.8700e-003**	**0.2012**	**1.4800e-003**	**0.2027**	**0.0534**	**1.3600e-003**	**0.0547**		**186.4202**	**186.4202**	**5.0000e-003**		**186.5451**

3.3 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**

3.3 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	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0922**	**0.0599**	**0.6771**	**2.0800e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**207.1336**	**207.1336**	**5.5500e-003**		**207.2724**

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			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**	**3.9030**	**1.9853**	**5.8883**	**1.6184**	**1.8265**	**3.4449**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0922**	**0.0599**	**0.6771**	**2.0800e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**207.1336**	**207.1336**	**5.5500e-003**		**207.2724**

3.3 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**

3.3 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	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	**0.0868**	**0.0541**	**0.6250**	**2.0000e-003**	**0.2236**	**1.6000e-003**	**0.2252**	**0.0593**	**1.4700e-003**	**0.0608**		**199.7073**	**199.7073**	**5.0100e-003**		**199.8326**

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			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**	**3.9030**	**1.6349**	**5.5379**	**1.6184**	**1.5041**	**3.1225**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

3.3 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	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	**0.0868**	**0.0541**	**0.6250**	**2.0000e-003**	**0.2236**	**1.6000e-003**	**0.2252**	**0.0593**	**1.4700e-003**	**0.0608**		**199.7073**	**199.7073**	**5.0100e-003**		**199.8326**

3.4 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**

3.4 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	0.8738	28.6746	7.6159	0.0781	2.0352	0.0547	2.0899	0.5859	0.0523	0.6382		8,337.7763	8,337.7763	0.5415		8,351.3136
Worker	3.3224	2.0731	23.9355	0.0767	8.5621	0.0612	8.6233	2.2707	0.0564	2.3271		7,648.7898	7,648.7898	0.1920		7,653.5897
Total	**4.1962**	**30.7476**	**31.5513**	**0.1548**	**10.5973**	**0.1159**	**10.7132**	**2.8566**	**0.1087**	**2.9653**		**15,986.5661**	**15,986.5661**	**0.7335**		**16,004.9033**

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**

3.4 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	0.8738	28.6746	7.6159	0.0781	2.0352	0.0547	2.0899	0.5859	0.0523	0.6382		8,337.7763	8,337.7763	0.5415		8,351.3136
Worker	3.3224	2.0731	23.9355	0.0767	8.5621	0.0612	8.6233	2.2707	0.0564	2.3271		7,648.7898	7,648.7898	0.1920		7,653.5897
Total	**4.1962**	**30.7476**	**31.5513**	**0.1548**	**10.5973**	**0.1159**	**10.7132**	**2.8566**	**0.1087**	**2.9653**		**15,986.5661**	**15,986.5661**	**0.7335**		**16,004.9033**

3.4 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**

3.4 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	0.6522	21.6255	6.7343	0.0756	2.0352	0.0257	2.0609	0.5859	0.0245	0.6105		8,088.7007	8,088.7007	0.4688		8,100.4210
Worker	3.1334	1.8751	22.0604	0.0739	8.5621	0.0596	8.6217	2.2707	0.0549	2.3256		7,363.5307	7,363.5307	0.1730		7,367.8553
Total	**3.7856**	**23.5006**	**28.7947**	**0.1495**	**10.5973**	**0.0853**	**10.6826**	**2.8566**	**0.0794**	**2.9361**		**15,452.2314**	**15,452.2314**	**0.6418**		**15,468.2763**

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**

3.4 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	0.6522	21.6255	6.7343	0.0756	2.0352	0.0257	2.0609	0.5859	0.0245	0.6105		8,088.7007	8,088.7007	0.4688		8,100.4210
Worker	3.1334	1.8751	22.0604	0.0739	8.5621	0.0596	8.6217	2.2707	0.0549	2.3256		7,363.5307	7,363.5307	0.1730		7,367.8553
Total	**3.7856**	**23.5006**	**28.7947**	**0.1495**	**10.5973**	**0.0853**	**10.6826**	**2.8566**	**0.0794**	**2.9361**		**15,452.2314**	**15,452.2314**	**0.6418**		**15,468.2763**

3.4 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**

3.4 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	0.6381	21.5782	6.5411	0.0753	2.0352	0.0253	2.0605	0.5859	0.0242	0.6101		8,061.1898	8,061.1898	0.4611		8,072.7167
Worker	2.9743	1.7081	20.5679	0.0714	8.5621	0.0588	8.6209	2.2707	0.0542	2.3249		7,120.9085	7,120.9085	0.1584		7,124.8680
Total	**3.6123**	**23.2863**	**27.1091**	**0.1467**	**10.5973**	**0.0841**	**10.6814**	**2.8566**	**0.0783**	**2.9350**		**15,182.0983**	**15,182.0983**	**0.6195**		**15,197.5847**

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**

3.4 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	0.6381	21.5782	6.5411	0.0753	2.0352	0.0253	2.0605	0.5859	0.0242	0.6101		8,061.1898	8,061.1898	0.4611		8,072.7167
Worker	2.9743	1.7081	20.5679	0.0714	8.5621	0.0588	8.6209	2.2707	0.0542	2.3249		7,120.9085	7,120.9085	0.1584		7,124.8680
Total	**3.6123**	**23.2863**	**27.1091**	**0.1467**	**10.5973**	**0.0841**	**10.6814**	**2.8566**	**0.0783**	**2.9350**		**15,182.0983**	**15,182.0983**	**0.6195**		**15,197.5847**

3.4 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**

3.4 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	0.6217	21.3896	6.3702	0.0749	2.0352	0.0248	2.0600	0.5859	0.0237	0.6096		8,016.7310	8,016.7310	0.4533		8,028.0632
Worker	2.8332	1.5616	19.0967	0.0686	8.5621	0.0577	8.6198	2.2707	0.0531	2.3238		6,840.4067	6,840.4067	0.1443		6,844.0134
Total	**3.4549**	**22.9512**	**25.4669**	**0.1435**	**10.5973**	**0.0825**	**10.6798**	**2.8566**	**0.0768**	**2.9335**		**14,857.1377**	**14,857.1377**	**0.5976**		**14,872.0765**

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**

3.4 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	0.6217	21.3896	6.3702	0.0749	2.0352	0.0248	2.0600	0.5859	0.0237	0.6096		8,016.7310	8,016.7310	0.4533		8,028.0632
Worker	2.8332	1.5616	19.0967	0.0686	8.5621	0.0577	8.6198	2.2707	0.0531	2.3238		6,840.4067	6,840.4067	0.1443		6,844.0134
Total	**3.4549**	**22.9512**	**25.4669**	**0.1435**	**10.5973**	**0.0825**	**10.6798**	**2.8566**	**0.0768**	**2.9335**		**14,857.1377**	**14,857.1377**	**0.5976**		**14,872.0765**

3.4 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**

3.4 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	0.6075	21.1895	6.2381	0.0744	2.0352	0.0243	2.0595	0.5859	0.0232	0.6091		7,974.1760	7,974.1760	0.4456		7,985.3158
Worker	2.7118	1.4375	17.8430	0.0661	8.5621	0.0558	8.6179	2.2707	0.0514	2.3221		6,597.8433	6,597.8433	0.1321		6,601.1461
Total	**3.3193**	**22.6269**	**24.0810**	**0.1406**	**10.5973**	**0.0801**	**10.6774**	**2.8566**	**0.0746**	**2.9312**		**14,572.0193**	**14,572.0193**	**0.5777**		**14,586.4618**

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**

3.4 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	0.6075	21.1895	6.2381	0.0744	2.0352	0.0243	2.0595	0.5859	0.0232	0.6091		7,974.1760	7,974.1760	0.4456		7,985.3158
Worker	2.7118	1.4375	17.8430	0.0661	8.5621	0.0558	8.6179	2.2707	0.0514	2.3221		6,597.8433	6,597.8433	0.1321		6,601.1461
Total	**3.3193**	**22.6269**	**24.0810**	**0.1406**	**10.5973**	**0.0801**	**10.6774**	**2.8566**	**0.0746**	**2.9312**		**14,572.0193**	**14,572.0193**	**0.5777**		**14,586.4618**

3.4 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**

3.4 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	0.5955	20.9958	6.1315	0.0740	2.0352	0.0238	2.0590	0.5859	0.0228	0.6087		7,936.0864	7,936.0864	0.4380		7,947.0362
Worker	2.5918	1.3257	16.7250	0.0640	8.5621	0.0528	8.6148	2.2707	0.0485	2.3193		6,383.8992	6,383.8992	0.1212		6,386.9285
Total	**3.1873**	**22.3214**	**22.8566**	**0.1380**	**10.5973**	**0.0766**	**10.6739**	**2.8566**	**0.0713**	**2.9279**		**14,319.9856**	**14,319.9856**	**0.5592**		**14,333.9647**

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**

3.4 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	0.5955	20.9958	6.1315	0.0740	2.0352	0.0238	2.0590	0.5859	0.0228	0.6087		7,936.0864	7,936.0864	0.4380		7,947.0362
Worker	2.5918	1.3257	16.7250	0.0640	8.5621	0.0528	8.6148	2.2707	0.0485	2.3193		6,383.8992	6,383.8992	0.1212		6,386.9285
Total	**3.1873**	**22.3214**	**22.8566**	**0.1380**	**10.5973**	**0.0766**	**10.6739**	**2.8566**	**0.0713**	**2.9279**		**14,319.9856**	**14,319.9856**	**0.5592**		**14,333.9647**

3.4 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**

3.4 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	0.5853	20.8364	6.0493	0.0737	2.0352	0.0234	2.0586	0.5859	0.0224	0.6083		7,903.8347	7,903.8347	0.4309		7,914.6067
Worker	2.4660	1.2254	15.7452	0.0621	8.5621	0.0489	8.6110	2.2707	0.0450	2.3157		6,195.4634	6,195.4634	0.1117		6,198.2570
Total	**3.0513**	**22.0618**	**21.7945**	**0.1358**	**10.5973**	**0.0723**	**10.6696**	**2.8566**	**0.0673**	**2.9240**		**14,099.2980**	**14,099.2980**	**0.5426**		**14,112.8637**

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**

3.4 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	0.5853	20.8364	6.0493	0.0737	2.0352	0.0234	2.0586	0.5859	0.0224	0.6083		7,903.8347	7,903.8347	0.4309		7,914.6067
Worker	2.4660	1.2254	15.7452	0.0621	8.5621	0.0489	8.6110	2.2707	0.0450	2.3157		6,195.4634	6,195.4634	0.1117		6,198.2570
Total	**3.0513**	**22.0618**	**21.7945**	**0.1358**	**10.5973**	**0.0723**	**10.6696**	**2.8566**	**0.0673**	**2.9240**		**14,099.2980**	**14,099.2980**	**0.5426**		**14,112.8637**

3.4 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**

3.4 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	0.5760	20.6802	5.9726	0.0734	2.0353	0.0230	2.0582	0.5859	0.0219	0.6079		7,875.0392	7,875.0392	0.4246		7,885.6543
Worker	2.3238	1.1284	14.7790	0.0604	8.5621	0.0454	8.6075	2.2707	0.0418	2.3125		6,028.3279	6,028.3279	0.1025		6,030.8905
Total	**2.8997**	**21.8087**	**20.7516**	**0.1338**	**10.5973**	**0.0684**	**10.6657**	**2.8566**	**0.0637**	**2.9204**		**13,903.3671**	**13,903.3671**	**0.5271**		**13,916.5448**

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**

3.4 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	0.5760	20.6802	5.9726	0.0734	2.0353	0.0230	2.0582	0.5859	0.0219	0.6079		7,875.0392	7,875.0392	0.4246		7,885.6543
Worker	2.3238	1.1284	14.7790	0.0604	8.5621	0.0454	8.6075	2.2707	0.0418	2.3125		6,028.3279	6,028.3279	0.1025		6,030.8905
Total	**2.8997**	**21.8087**	**20.7516**	**0.1338**	**10.5973**	**0.0684**	**10.6657**	**2.8566**	**0.0637**	**2.9204**		**13,903.3671**	**13,903.3671**	**0.5271**		**13,916.5448**

3.4 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**

3.4 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	0.5680	20.5298	5.9144	0.0732	2.0353	0.0225	2.0578	0.5859	0.0215	0.6075		7,849.1251	7,849.1251	0.4188		7,859.5960
Worker	2.1778	1.0367	13.8858	0.0589	8.5621	0.0423	8.6044	2.2707	0.0389	2.3096		5,880.0367	5,880.0367	0.0940		5,882.3868
Total	**2.7458**	**21.5666**	**19.8003**	**0.1321**	**10.5973**	**0.0648**	**10.6621**	**2.8566**	**0.0604**	**2.9171**		**13,729.1618**	**13,729.1618**	**0.5128**		**13,741.9828**

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**

3.4 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	0.5680	20.5298	5.9144	0.0732	2.0353	0.0225	2.0578	0.5859	0.0215	0.6075		7,849.1251	7,849.1251	0.4188		7,859.5960
Worker	2.1778	1.0367	13.8858	0.0589	8.5621	0.0423	8.6044	2.2707	0.0389	2.3096		5,880.0367	5,880.0367	0.0940		5,882.3868
Total	**2.7458**	**21.5666**	**19.8003**	**0.1321**	**10.5973**	**0.0648**	**10.6621**	**2.8566**	**0.0604**	**2.9171**		**13,729.1618**	**13,729.1618**	**0.5128**		**13,741.9828**

3.4 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**

3.4 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	0.5653	20.4532	5.8988	0.0731	2.0353	0.0222	2.0575	0.5859	0.0212	0.6072		7,841.8638	7,841.8638	0.4143		7,852.2223
Worker	2.0175	0.9466	13.0452	0.0577	8.5621	0.0396	8.6016	2.2707	0.0364	2.3071		5,757.9683	5,757.9683	0.0861		5,760.1217
Total	**2.5828**	**21.3998**	**18.9439**	**0.1307**	**10.5973**	**0.0618**	**10.6591**	**2.8566**	**0.0576**	**2.9143**		**13,599.8321**	**13,599.8321**	**0.5005**		**13,612.3441**

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**

3.4 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	0.5653	20.4532	5.8988	0.0731	2.0353	0.0222	2.0575	0.5859	0.0212	0.6072		7,841.8638	7,841.8638	0.4143		7,852.2223
Worker	2.0175	0.9466	13.0452	0.0577	8.5621	0.0396	8.6016	2.2707	0.0364	2.3071		5,757.9683	5,757.9683	0.0861		5,760.1217
Total	**2.5828**	**21.3998**	**18.9439**	**0.1307**	**10.5973**	**0.0618**	**10.6591**	**2.8566**	**0.0576**	**2.9143**		**13,599.8321**	**13,599.8321**	**0.5005**		**13,612.3441**

3.4 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**

3.4 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	0.5603	20.3235	5.8728	0.0729	2.0353	0.0219	2.0572	0.5859	0.0209	0.6069		7,826.2510	7,826.2510	0.4103		7,836.5078
Worker	1.8742	0.8679	12.2663	0.0565	8.5621	0.0369	8.5990	2.2707	0.0339	2.3046		5,642.1864	5,642.1864	0.0789		5,644.1591
Total	**2.4345**	**21.1914**	**18.1392**	**0.1294**	**10.5973**	**0.0588**	**10.6561**	**2.8566**	**0.0549**	**2.9115**		**13,468.4374**	**13,468.4374**	**0.4892**		**13,480.6668**

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**

3.4 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	0.5603	20.3235	5.8728	0.0729	2.0353	0.0219	2.0572	0.5859	0.0209	0.6069		7,826.2510	7,826.2510	0.4103		7,836.5078
Worker	1.8742	0.8679	12.2663	0.0565	8.5621	0.0369	8.5990	2.2707	0.0339	2.3046		5,642.1864	5,642.1864	0.0789		5,644.1591
Total	**2.4345**	**21.1914**	**18.1392**	**0.1294**	**10.5973**	**0.0588**	**10.6561**	**2.8566**	**0.0549**	**2.9115**		**13,468.4374**	**13,468.4374**	**0.4892**		**13,480.6668**

3.4 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**

3.4 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	0.5568	20.2058	5.8556	0.0728	2.0353	0.0216	2.0569	0.5859	0.0207	0.6066		7,813.9307	7,813.9307	0.4067		7,824.0986
Worker	1.7516	0.8013	11.5998	0.0555	8.5621	0.0345	8.5965	2.2707	0.0317	2.3024		5,541.1140	5,541.1140	0.0727		5,542.9323
Total	**2.3084**	**21.0071**	**17.4554**	**0.1283**	**10.5973**	**0.0561**	**10.6534**	**2.8566**	**0.0524**	**2.9090**		**13,355.0447**	**13,355.0447**	**0.4795**		**13,367.0308**

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**

3.4 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	0.5568	20.2058	5.8556	0.0728	2.0353	0.0216	2.0569	0.5859	0.0207	0.6066		7,813.9307	7,813.9307	0.4067		7,824.0986
Worker	1.7516	0.8013	11.5998	0.0555	8.5621	0.0345	8.5965	2.2707	0.0317	2.3024		5,541.1140	5,541.1140	0.0727		5,542.9323
Total	**2.3084**	**21.0071**	**17.4554**	**0.1283**	**10.5973**	**0.0561**	**10.6534**	**2.8566**	**0.0524**	**2.9090**		**13,355.0447**	**13,355.0447**	**0.4795**		**13,367.0308**

3.4 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**

3.4 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	0.5537	20.0996	5.8374	0.0727	2.0353	0.0213	2.0566	0.5859	0.0204	0.6063		7,804.4663	7,804.4663	0.4037		7,814.5592
Worker	1.6482	0.7456	10.9576	0.0546	8.5621	0.0322	8.5943	2.2707	0.0296	2.3003		5,452.6326	5,452.6326	0.0669		5,454.3040
Total	**2.2018**	**20.8452**	**16.7950**	**0.1273**	**10.5974**	**0.0535**	**10.6509**	**2.8566**	**0.0500**	**2.9066**		**13,257.0989**	**13,257.0989**	**0.4706**		**13,268.8632**

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**

3.4 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	0.5537	20.0996	5.8374	0.0727	2.0353	0.0213	2.0566	0.5859	0.0204	0.6063		7,804.4663	7,804.4663	0.4037		7,814.5592
Worker	1.6482	0.7456	10.9576	0.0546	8.5621	0.0322	8.5943	2.2707	0.0296	2.3003		5,452.6326	5,452.6326	0.0669		5,454.3040
Total	**2.2018**	**20.8452**	**16.7950**	**0.1273**	**10.5974**	**0.0535**	**10.6509**	**2.8566**	**0.0500**	**2.9066**		**13,257.0989**	**13,257.0989**	**0.4706**		**13,268.8632**

3.5 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	1.0712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4557**	**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**

3.5 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	0.0323	0.0146	0.2146	1.0700e-003	0.1677	6.3000e-004	0.1683	0.0445	5.8000e-004	0.0451		106.7748	106.7748	1.3100e-003		106.8075
Total	**0.0323**	**0.0146**	**0.2146**	**1.0700e-003**	**0.1677**	**6.3000e-004**	**0.1683**	**0.0445**	**5.8000e-004**	**0.0451**		**106.7748**	**106.7748**	**1.3100e-003**		**106.8075**

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	1.0712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4557**	**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**

3.5 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	0.0323	0.0146	0.2146	1.0700e-003	0.1677	6.3000e-004	0.1683	0.0445	5.8000e-004	0.0451		106.7748	106.7748	1.3100e-003		106.8075
Total	**0.0323**	**0.0146**	**0.2146**	**1.0700e-003**	**0.1677**	**6.3000e-004**	**0.1683**	**0.0445**	**5.8000e-004**	**0.0451**		**106.7748**	**106.7748**	**1.3100e-003**		**106.8075**

3.5 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	1.0712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2117**	**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**

3.5 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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

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	1.0712					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2117**	**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**

3.5 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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

3.6 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	31.0357					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	**31.1536**	**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**

3.6 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	0.3120	0.1408	2.0828	0.0108	1.7102	6.0200e-003	1.7162	0.4536	5.5400e-003	0.4591		1,073.9707	1,073.9707	0.0124		1,074.2806
Total	**0.3120**	**0.1408**	**2.0828**	**0.0108**	**1.7102**	**6.0200e-003**	**1.7162**	**0.4536**	**5.5400e-003**	**0.4591**		**1,073.9707**	**1,073.9707**	**0.0124**		**1,074.2806**

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	31.0357					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	**31.1536**	**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**

3.6 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	0.3120	0.1408	2.0828	0.0108	1.7102	6.0200e-003	1.7162	0.4536	5.5400e-003	0.4591		1,073.9707	1,073.9707	0.0124		1,074.2806
Total	**0.3120**	**0.1408**	**2.0828**	**0.0108**	**1.7102**	**6.0200e-003**	**1.7162**	**0.4536**	**5.5400e-003**	**0.4591**		**1,073.9707**	**1,073.9707**	**0.0124**		**1,074.2806**

3.6 Architectural Coating - 2036

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	31.0357					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	**31.1536**	**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**

3.6 Architectural Coating - 2036

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	0.3120	0.1408	2.0828	0.0108	1.7102	6.0200e-003	1.7162	0.4536	5.5400e-003	0.4591		1,073.9707	1,073.9707	0.0124		1,074.2806
Total	**0.3120**	**0.1408**	**2.0828**	**0.0108**	**1.7102**	**6.0200e-003**	**1.7162**	**0.4536**	**5.5400e-003**	**0.4591**		**1,073.9707**	**1,073.9707**	**0.0124**		**1,074.2806**

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	31.0357					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	**31.1536**	**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**

3.6 Architectural Coating - 2036

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	0.3120	0.1408	2.0828	0.0108	1.7102	6.0200e-003	1.7162	0.4536	5.5400e-003	0.4591		1,073.9707	1,073.9707	0.0124		1,074.2806
Total	**0.3120**	**0.1408**	**2.0828**	**0.0108**	**1.7102**	**6.0200e-003**	**1.7162**	**0.4536**	**5.5400e-003**	**0.4591**		**1,073.9707**	**1,073.9707**	**0.0124**		**1,074.2806**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	36.3238	176.6667	362.9978	1.1793	94.2255	1.0083	95.2338	25.2117	0.9414	26.1531		120,136.2931	120,136.2931	6.8952		120,308.6723
Unmitigated	39.5135	200.3791	442.3080	1.5171	124.3967	1.2772	125.6739	33.2846	1.1926	34.4772		154,484.7064	154,484.7064	8.3413		154,693.2400

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	920.43	244.95	126.19	3,146,149	2,383,082
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	18,950.50	25,084.94	12670.48	40,941,993	31,011,922
Place of Worship	81.14	69.93	322.58	243,205	184,218
Total	19,952.07	25,399.83	13,119.25	44,331,348	33,579,223

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Regional Shopping Center	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Place of Worship	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1298	1.1801	0.9913	7.0800e-003		0.0897	0.0897		0.0897	0.0897		1,416.0885	1,416.0885	0.0271	0.0260	1,424.5036
NaturalGas Unmitigated	0.1298	1.1801	0.9913	7.0800e-003		0.0897	0.0897		0.0897	0.0897		1,416.0885	1,416.0885	0.0271	0.0260	1,424.5036

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					
General Light Industry	9202.24	0.0992	0.9022	0.7578	5.4100e-003		0.0686	0.0686		0.0686	0.0686		1,082.6163	1,082.6163	0.0208	0.0199	1,089.0497
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	578.952	6.2400e-003	0.0568	0.0477	3.4000e-004		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003		68.1120	68.1120	1.3100e-003	1.2500e-003	68.5168
Regional Shopping Center	2255.56	0.0243	0.2211	0.1858	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3602	265.3602	5.0900e-003	4.8600e-003	266.9371
Total		**0.1298**	**1.1801**	**0.9913**	**7.0800e-003**		**0.0897**	**0.0897**		**0.0897**	**0.0897**		**1,416.0885**	**1,416.0885**	**0.0272**	**0.0260**	**1,424.5036**

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					
General Light Industry	9.20224	0.0992	0.9022	0.7578	5.4100e-003		0.0686	0.0686		0.0686	0.0686		1,082.6163	1,082.6163	0.0208	0.0199	1,089.0497
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.578952	6.2400e-003	0.0568	0.0477	3.4000e-004		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003		68.1120	68.1120	1.3100e-003	1.2500e-003	68.5168
Regional Shopping Center	2.25556	0.0243	0.2211	0.1858	1.3300e-003		0.0168	0.0168		0.0168	0.0168		265.3602	265.3602	5.0900e-003	4.8600e-003	266.9371
Total		**0.1298**	**1.1801**	**0.9913**	**7.0800e-003**		**0.0897**	**0.0897**		**0.0897**	**0.0897**		**1,416.0885**	**1,416.0885**	**0.0272**	**0.0260**	**1,424.5036**

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	16.1632	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Unmitigated	16.1632	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699

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	1.8707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2856					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9700e-003	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Total	**16.1632**	**6.8000e-004**	**0.0746**	**1.0000e-005**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**		**0.1593**	**0.1593**	**4.2000e-004**		**0.1699**

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	1.8707					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2856					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9700e-003	6.8000e-004	0.0746	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1593	0.1593	4.2000e-004		0.1699
Total	**16.1632**	**6.8000e-004**	**0.0746**	**1.0000e-005**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**		**0.1593**	**0.1593**	**4.2000e-004**		**0.1699**

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

Compton Hub City - Existing Uses in Plan Area

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.55	Acre	89.95	1,243,638.00	0
General Light Industry	185.57	1000sqft	4.26	185,570.00	0
Regional Shopping Center	502.00	1000sqft	11.52	502,000.00	0
Place of Worship	11.68	1000sqft	0.27	11,675.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on applicant-provided information

Construction Phase - Construction phases not necessary for this run; Kept defaults

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Updated to reflect KOA trip generation rates from September 2019 study, including 10th ITE Ed

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	28.55	89.95
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.97	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.11	6.95

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, 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					
2021	0.4408	4.6401	2.8067	5.4400e-003	1.8032	0.2171	2.0204	0.8034	0.1998	1.0031	0.0000	478.8654	478.8654	0.1491	0.0000	482.5934
2022	0.5230	5.2374	4.2761	0.0110	1.3161	0.1967	1.5128	0.4697	0.1814	0.6511	0.0000	990.1467	990.1467	0.2172	0.0000	995.5770
2023	0.6537	4.9746	5.9041	0.0233	1.3531	0.1020	1.4551	0.3653	0.0958	0.4612	0.0000	2,154.9150	2,154.9150	0.1459	0.0000	2,158.5614
2024	0.6243	4.8603	5.7146	0.0231	1.3635	0.0913	1.4548	0.3682	0.0858	0.4539	0.0000	2,138.8031	2,138.8031	0.1439	0.0000	2,142.4015
2025	0.5892	4.6696	5.4631	0.0226	1.3583	0.0795	1.4379	0.3667	0.0747	0.4415	0.0000	2,091.5032	2,091.5032	0.1404	0.0000	2,095.0136
2026	0.5726	4.6261	5.2784	0.0222	1.3583	0.0792	1.4375	0.3667	0.0744	0.4412	0.0000	2,057.0799	2,057.0799	0.1381	0.0000	2,060.5324
2027	0.5566	4.5851	5.1151	0.0218	1.3583	0.0788	1.4371	0.3667	0.0740	0.4408	0.0000	2,026.6736	2,026.6736	0.1359	0.0000	2,030.0720
2028	0.5382	4.5329	4.9544	0.0215	1.3531	0.0779	1.4310	0.3653	0.0732	0.4386	0.0000	1,992.3776	1,992.3776	0.1335	0.0000	1,995.7151
2029	0.5222	4.5164	4.8344	0.0213	1.3583	0.0777	1.4360	0.3667	0.0730	0.4398	0.0000	1,976.4106	1,976.4106	0.1322	0.0000	1,979.7157
2030	0.4963	3.8921	4.7169	0.0216	1.3583	0.0278	1.3861	0.3667	0.0272	0.3939	0.0000	1,995.7961	1,995.7961	0.0732	0.0000	1,997.6251
2031	0.4772	3.8697	4.6028	0.0214	1.3583	0.0274	1.3857	0.3667	0.0268	0.3936	0.0000	1,980.2420	1,980.2420	0.0717	0.0000	1,982.0349
2032	0.4614	3.8565	4.5125	0.0213	1.3635	0.0271	1.3906	0.3682	0.0266	0.3947	0.0000	1,971.9765	1,971.9765	0.0707	0.0000	1,973.7431
2033	0.4431	3.8026	4.3870	0.0210	1.3531	0.0265	1.3796	0.3653	0.0260	0.3914	0.0000	1,943.3670	1,943.3670	0.0690	0.0000	1,945.0919
2034	0.3996	2.9580	3.6615	0.0159	0.9690	0.0311	1.0000	0.2616	0.0307	0.2923	0.0000	1,468.5287	1,468.5287	0.0526	0.0000	1,469.8446
2035	1.9853	0.4069	1.3913	2.9200e-003	0.1093	0.0146	0.1238	0.0290	0.0145	0.0436	0.0000	254.0764	254.0764	8.0200e-003	0.0000	254.2768
2036	1.6344	0.0470	0.2054	7.2000e-004	0.0873	8.3000e-004	0.0881	0.0232	8.0000e-004	0.0240	0.0000	64.8282	64.8282	1.0900e-003	0.0000	64.8554
Maximum	**1.9853**	**5.2374**	**5.9041**	**0.0233**	**1.8032**	**0.2171**	**2.0204**	**0.8034**	**0.1998**	**1.0031**	**0.0000**	**2,154.9150**	**2,154.9150**	**0.2172**	**0.0000**	**2,158.5614**

2.1 Overall Construction

Mitigated Construction

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, 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					
2021	0.4408	4.6401	2.8067	5.4400e-003	0.8237	0.2171	1.0409	0.3648	0.1998	0.5645	0.0000	478.8648	478.8648	0.1491	0.0000	482.5928
2022	0.5230	5.2374	4.2761	0.0110	0.7340	0.1967	0.9307	0.2496	0.1814	0.4310	0.0000	990.1460	990.1460	0.2172	0.0000	995.5763
2023	0.6537	4.9746	5.9041	0.0233	1.3531	0.1020	1.4551	0.3653	0.0958	0.4612	0.0000	2,154.9146	2,154.9146	0.1459	0.0000	2,158.5610
2024	0.6243	4.8603	5.7146	0.0231	1.3635	0.0913	1.4548	0.3682	0.0858	0.4539	0.0000	2,138.8027	2,138.8027	0.1439	0.0000	2,142.4011
2025	0.5892	4.6696	5.4631	0.0226	1.3583	0.0795	1.4379	0.3667	0.0747	0.4415	0.0000	2,091.5028	2,091.5028	0.1404	0.0000	2,095.0132
2026	0.5726	4.6261	5.2784	0.0222	1.3583	0.0792	1.4375	0.3667	0.0744	0.4412	0.0000	2,057.0796	2,057.0796	0.1381	0.0000	2,060.5320
2027	0.5566	4.5851	5.1151	0.0218	1.3583	0.0788	1.4371	0.3667	0.0740	0.4408	0.0000	2,026.6732	2,026.6732	0.1359	0.0000	2,030.0717
2028	0.5382	4.5329	4.9544	0.0215	1.3531	0.0779	1.4310	0.3653	0.0732	0.4386	0.0000	1,992.3773	1,992.3773	0.1335	0.0000	1,995.7148
2029	0.5222	4.5164	4.8344	0.0213	1.3583	0.0777	1.4360	0.3667	0.0730	0.4398	0.0000	1,976.4102	1,976.4102	0.1322	0.0000	1,979.7153
2030	0.4963	3.8921	4.7169	0.0216	1.3583	0.0278	1.3861	0.3667	0.0272	0.3939	0.0000	1,995.7957	1,995.7957	0.0732	0.0000	1,997.6247
2031	0.4772	3.8696	4.6028	0.0214	1.3583	0.0274	1.3857	0.3667	0.0268	0.3936	0.0000	1,980.2416	1,980.2416	0.0717	0.0000	1,982.0345
2032	0.4614	3.8565	4.5125	0.0213	1.3635	0.0271	1.3906	0.3682	0.0266	0.3947	0.0000	1,971.9761	1,971.9761	0.0707	0.0000	1,973.7427
2033	0.4431	3.8026	4.3870	0.0210	1.3531	0.0265	1.3796	0.3653	0.0260	0.3914	0.0000	1,943.3666	1,943.3666	0.0690	0.0000	1,945.0915
2034	0.3996	2.9580	3.6615	0.0159	0.9690	0.0311	1.0000	0.2616	0.0307	0.2923	0.0000	1,468.5283	1,468.5283	0.0526	0.0000	1,469.8442
2035	1.9853	0.4069	1.3913	2.9200e-003	0.1093	0.0146	0.1238	0.0290	0.0145	0.0436	0.0000	254.0761	254.0761	8.0200e-003	0.0000	254.2766
2036	1.6344	0.0470	0.2054	7.2000e-004	0.0873	8.3000e-004	0.0881	0.0232	8.0000e-004	0.0240	0.0000	64.8282	64.8282	1.0900e-003	0.0000	64.8554
Maximum	**1.9853**	**5.2374**	**5.9041**	**0.0233**	**1.3635**	**0.2171**	**1.4551**	**0.3682**	**0.1998**	**0.5645**	**0.0000**	**2,154.9146**	**2,154.9146**	**0.2172**	**0.0000**	**2,158.5610**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**8.12**	**0.00**	**7.66**	**11.72**	**0.00**	**9.83**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
4	**3-1-2021**	**5-31-2021**	1.3831	1.3831
5	**6-1-2021**	**8-31-2021**	1.4869	1.4869
6	**9-1-2021**	**11-30-2021**	1.6490	1.6490
7	**12-1-2021**	**2-28-2022**	1.4596	1.4596
8	**3-1-2022**	**5-31-2022**	1.3997	1.3997
9	**6-1-2022**	**8-31-2022**	1.3996	1.3996
10	**9-1-2022**	**11-30-2022**	1.4985	1.4985
11	**12-1-2022**	**2-28-2023**	1.4899	1.4899
12	**3-1-2023**	**5-31-2023**	1.4135	1.4135
13	**6-1-2023**	**8-31-2023**	1.4098	1.4098
14	**9-1-2023**	**11-30-2023**	1.4018	1.4018
15	**12-1-2023**	**2-29-2024**	1.3748	1.3748
16	**3-1-2024**	**5-31-2024**	1.3669	1.3669
17	**6-1-2024**	**8-31-2024**	1.3634	1.3634
18	**9-1-2024**	**11-30-2024**	1.3555	1.3555
19	**12-1-2024**	**2-28-2025**	1.3109	1.3109
20	**3-1-2025**	**5-31-2025**	1.3157	1.3157
21	**6-1-2025**	**8-31-2025**	1.3124	1.3124
22	**9-1-2025**	**11-30-2025**	1.3047	1.3047
23	**12-1-2025**	**2-28-2026**	1.2838	1.2838
24	**3-1-2026**	**5-31-2026**	1.3009	1.3009
25	**6-1-2026**	**8-31-2026**	1.2978	1.2978
26	**9-1-2026**	**11-30-2026**	1.2899	1.2899

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27	**12-1-2026**	**2-28-2027**	1.2695	1.2695
28	**3-1-2027**	**5-31-2027**	1.2869	1.2869
29	**6-1-2027**	**8-31-2027**	1.2839	1.2839
30	**9-1-2027**	**11-30-2027**	1.2759	1.2759
31	**12-1-2027**	**2-29-2028**	1.2703	1.2703
32	**3-1-2028**	**5-31-2028**	1.2743	1.2743
33	**6-1-2028**	**8-31-2028**	1.2715	1.2715
34	**9-1-2028**	**11-30-2028**	1.2632	1.2632
35	**12-1-2028**	**2-28-2029**	1.2434	1.2434
36	**3-1-2029**	**5-31-2029**	1.2614	1.2614
37	**6-1-2029**	**8-31-2029**	1.2588	1.2588
38	**9-1-2029**	**11-30-2029**	1.2502	1.2502
39	**12-1-2029**	**2-28-2030**	1.1338	1.1338
40	**3-1-2030**	**5-31-2030**	1.0980	1.0980
41	**6-1-2030**	**8-31-2030**	1.0956	1.0956
42	**9-1-2030**	**11-30-2030**	1.0883	1.0883
43	**12-1-2030**	**2-28-2031**	1.0716	1.0716
44	**3-1-2031**	**5-31-2031**	1.0876	1.0876
45	**6-1-2031**	**8-31-2031**	1.0855	1.0855
46	**9-1-2031**	**11-30-2031**	1.0778	1.0778
47	**12-1-2031**	**2-29-2032**	1.0722	1.0722
48	**3-1-2032**	**5-31-2032**	1.0763	1.0763
49	**6-1-2032**	**8-31-2032**	1.0745	1.0745
50	**9-1-2032**	**11-30-2032**	1.0665	1.0665
51	**12-1-2032**	**2-28-2033**	1.0500	1.0500
52	**3-1-2033**	**5-31-2033**	1.0665	1.0665
53	**6-1-2033**	**8-31-2033**	1.0649	1.0649

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54	**9-1-2033**	**11-30-2033**	1.0566	1.0566
55	**12-1-2033**	**2-28-2034**	1.0409	1.0409
56	**3-1-2034**	**5-31-2034**	1.0581	1.0581
57	**6-1-2034**	**8-31-2034**	1.0566	1.0566
58	**9-1-2034**	**11-30-2034**	0.4334	0.4334
59	**12-1-2034**	**2-28-2035**	0.2568	0.2568
60	**3-1-2035**	**5-31-2035**	0.2342	0.2342
61	**6-1-2035**	**8-31-2035**	0.6121	0.6121
62	**9-1-2035**	**11-30-2035**	1.0513	1.0513
63	**12-1-2035**	**2-29-2036**	1.0518	1.0518
64	**3-1-2036**	**5-31-2036**	0.9701	0.9701
		Highest	1.6490	1.6490

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	2.9494	9.0000e-005	9.3200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0193
Energy	0.0237	0.2154	0.1809	1.2900e-003		0.0164	0.0164		0.0164	0.0164	0.0000	3,091.3427	3,091.3427	0.1224	0.0287	3,102.9565
Mobile	5.3074	28.1182	61.6704	0.2125	16.8445	0.1751	17.0196	4.5139	0.1634	4.6774	0.0000	19,634.4227	19,634.4227	1.0321	0.0000	19,660.2239
Waste						0.0000	0.0000		0.0000	0.0000	167.2219	0.0000	167.2219	9.8825	0.0000	414.2852
Water						0.0000	0.0000		0.0000	0.0000	25.5272	416.5211	442.0483	2.6391	0.0655	527.5342
Total	**8.2805**	**28.3337**	**61.8607**	**0.2138**	**16.8445**	**0.1915**	**17.0360**	**4.5139**	**0.1798**	**4.6938**	**192.7491**	**23,142.3045**	**23,335.0536**	**13.6762**	**0.0942**	**23,705.0191**

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	2.9494	9.0000e-005	9.3200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0193
Energy	0.0237	0.2154	0.1809	1.2900e-003		0.0164	0.0164		0.0164	0.0164	0.0000	3,091.3427	3,091.3427	0.1224	0.0287	3,102.9565
Mobile	4.8635	24.7857	50.4060	0.1654	12.7591	0.1380	12.8971	3.4191	0.1288	3.5480	0.0000	15,286.0278	15,286.0278	0.8499	0.0000	15,307.2750
Waste						0.0000	0.0000		0.0000	0.0000	167.2219	0.0000	167.2219	9.8825	0.0000	414.2852
Water						0.0000	0.0000		0.0000	0.0000	25.5272	416.5211	442.0483	2.6391	0.0655	527.5342
Total	**7.8365**	**25.0012**	**50.5962**	**0.1667**	**12.7591**	**0.1544**	**12.9135**	**3.4191**	**0.1452**	**3.5644**	**192.7491**	**18,793.9096**	**18,986.6588**	**13.4940**	**0.0942**	**19,352.0702**

	ROG	NOx	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	**5.36**	**11.76**	**18.21**	**22.05**	**24.25**	**19.34**	**24.20**	**24.25**	**19.24**	**24.06**	**0.00**	**18.79**	**18.63**	**1.33**	**0.00**	**18.36**

3.0 Construction Detail

Construction Phase

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/6/2021	8/20/2021	5	120	
2	Grading	Grading	8/21/2021	10/28/2022	5	310	
3	Building Construction	Building Construction	10/29/2022	9/15/2034	5	3100	
4	Paving	Paving	9/16/2034	7/20/2035	5	220	
5	Architectural Coating	Architectural Coating	7/21/2035	5/23/2036	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 89.95

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,048,868; Non-Residential Outdoor: 349,623; Striped Parking Area: 74,618 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City - Existing Uses in Plan Area - South Coast AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	766.00	318.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	153.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2333	2.4298	1.2693	2.2800e-003		0.1227	0.1227		0.1129	0.1129	0.0000	200.6143	200.6143	0.0649	0.0000	202.2364
Total	**0.2333**	**2.4298**	**1.2693**	**2.2800e-003**	**1.0840**	**0.1227**	**1.2067**	**0.5958**	**0.1129**	**0.7087**	**0.0000**	**200.6143**	**200.6143**	**0.0649**	**0.0000**	**202.2364**

3.2 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	4.5000e-003	3.3300e-003	0.0376	1.1000e-004	0.0119	9.0000e-005	0.0119	3.1500e-003	8.0000e-005	3.2300e-003	0.0000	10.3211	10.3211	2.8000e-004	0.0000	10.3281
Total	**4.5000e-003**	**3.3300e-003**	**0.0376**	**1.1000e-004**	**0.0119**	**9.0000e-005**	**0.0119**	**3.1500e-003**	**8.0000e-005**	**3.2300e-003**	**0.0000**	**10.3211**	**10.3211**	**2.8000e-004**	**0.0000**	**10.3281**

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					0.4878	0.0000	0.4878	0.2681	0.0000	0.2681	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2333	2.4298	1.2693	2.2800e-003		0.1227	0.1227		0.1129	0.1129	0.0000	200.6141	200.6141	0.0649	0.0000	202.2361
Total	**0.2333**	**2.4298**	**1.2693**	**2.2800e-003**	**0.4878**	**0.1227**	**0.6105**	**0.2681**	**0.1129**	**0.3810**	**0.0000**	**200.6141**	**200.6141**	**0.0649**	**0.0000**	**202.2361**

3.2 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	4.5000e-003	3.3300e-003	0.0376	1.1000e-004	0.0119	9.0000e-005	0.0119	3.1500e-003	8.0000e-005	3.2300e-003	0.0000	10.3211	10.3211	2.8000e-004	0.0000	10.3281
Total	**4.5000e-003**	**3.3300e-003**	**0.0376**	**1.1000e-004**	**0.0119**	**9.0000e-005**	**0.0119**	**3.1500e-003**	**8.0000e-005**	**3.2300e-003**	**0.0000**	**10.3211**	**10.3211**	**2.8000e-004**	**0.0000**	**10.3281**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6970	0.0000	0.6970	0.2016	0.0000	0.2016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1991	2.2040	1.4667	2.9500e-003		0.0943	0.0943		0.0868	0.0868	0.0000	258.8512	258.8512	0.0837	0.0000	260.9441
Total	**0.1991**	**2.2040**	**1.4667**	**2.9500e-003**	**0.6970**	**0.0943**	**0.7913**	**0.2016**	**0.0868**	**0.2884**	**0.0000**	**258.8512**	**258.8512**	**0.0837**	**0.0000**	**260.9441**

3.3 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	3.9600e-003	2.9300e-003	0.0331	1.0000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8400e-003	0.0000	9.0788	9.0788	2.4000e-004	0.0000	9.0849
Total	**3.9600e-003**	**2.9300e-003**	**0.0331**	**1.0000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8400e-003**	**0.0000**	**9.0788**	**9.0788**	**2.4000e-004**	**0.0000**	**9.0849**

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					0.3137	0.0000	0.3137	0.0907	0.0000	0.0907	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1991	2.2040	1.4667	2.9500e-003		0.0943	0.0943		0.0868	0.0868	0.0000	258.8509	258.8509	0.0837	0.0000	260.9438
Total	**0.1991**	**2.2040**	**1.4667**	**2.9500e-003**	**0.3137**	**0.0943**	**0.4080**	**0.0907**	**0.0868**	**0.1775**	**0.0000**	**258.8509**	**258.8509**	**0.0837**	**0.0000**	**260.9438**

3.3 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	3.9600e-003	2.9300e-003	0.0331	1.0000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	7.0000e-005	2.8400e-003	0.0000	9.0788	9.0788	2.4000e-004	0.0000	9.0849
Total	**3.9600e-003**	**2.9300e-003**	**0.0331**	**1.0000e-004**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7700e-003**	**7.0000e-005**	**2.8400e-003**	**0.0000**	**9.0788**	**9.0788**	**2.4000e-004**	**0.0000**	**9.0849**

3.3 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					1.0583	0.0000	1.0583	0.4002	0.0000	0.4002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3897	4.1757	3.1220	6.6700e-003		0.1758	0.1758		0.1617	0.1617	0.0000	586.2469	586.2469	0.1896	0.0000	590.9870
Total	**0.3897**	**4.1757**	**3.1220**	**6.6700e-003**	**1.0583**	**0.1758**	**1.2341**	**0.4002**	**0.1617**	**0.5619**	**0.0000**	**586.2469**	**586.2469**	**0.1896**	**0.0000**	**590.9870**

3.3 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	8.4200e-003	5.9800e-003	0.0692	2.2000e-004	0.0236	1.7000e-004	0.0238	6.2600e-003	1.6000e-004	6.4200e-003	0.0000	19.8100	19.8100	5.0000e-004	0.0000	19.8225
Total	**8.4200e-003**	**5.9800e-003**	**0.0692**	**2.2000e-004**	**0.0236**	**1.7000e-004**	**0.0238**	**6.2600e-003**	**1.6000e-004**	**6.4200e-003**	**0.0000**	**19.8100**	**19.8100**	**5.0000e-004**	**0.0000**	**19.8225**

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					0.4762	0.0000	0.4762	0.1801	0.0000	0.1801	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3897	4.1757	3.1220	6.6700e-003		0.1758	0.1758		0.1617	0.1617	0.0000	586.2462	586.2462	0.1896	0.0000	590.9863
Total	**0.3897**	**4.1757**	**3.1220**	**6.6700e-003**	**0.4762**	**0.1758**	**0.6520**	**0.1801**	**0.1617**	**0.3418**	**0.0000**	**586.2462**	**586.2462**	**0.1896**	**0.0000**	**590.9863**

3.3 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	8.4200e-003	5.9800e-003	0.0692	2.2000e-004	0.0236	1.7000e-004	0.0238	6.2600e-003	1.6000e-004	6.4200e-003	0.0000	19.8100	19.8100	5.0000e-004	0.0000	19.8225
Total	**8.4200e-003**	**5.9800e-003**	**0.0692**	**2.2000e-004**	**0.0236**	**1.7000e-004**	**0.0238**	**6.2600e-003**	**1.6000e-004**	**6.4200e-003**	**0.0000**	**19.8100**	**19.8100**	**5.0000e-004**	**0.0000**	**19.8225**

3.4 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	0.0384	0.3514	0.3682	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1382	52.1382	0.0125	0.0000	52.4505
Total	**0.0384**	**0.3514**	**0.3682**	**6.1000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**52.1382**	**52.1382**	**0.0125**	**0.0000**	**52.4505**

3.4 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	0.0191	0.6565	0.1622	1.7900e-003	0.0451	1.2100e-003	0.0463	0.0130	1.1500e-003	0.0142	0.0000	173.1488	173.1488	0.0106	0.0000	173.4146
Worker	0.0675	0.0480	0.5546	1.7600e-003	0.1891	1.3800e-003	0.1905	0.0502	1.2700e-003	0.0515	0.0000	158.8028	158.8028	3.9900e-003	0.0000	158.9025
Total	**0.0866**	**0.7044**	**0.7168**	**3.5500e-003**	**0.2342**	**2.5900e-003**	**0.2368**	**0.0632**	**2.4200e-003**	**0.0657**	**0.0000**	**331.9516**	**331.9516**	**0.0146**	**0.0000**	**332.3171**

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	0.0384	0.3514	0.3682	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1381	52.1381	0.0125	0.0000	52.4504
Total	**0.0384**	**0.3514**	**0.3682**	**6.1000e-004**		**0.0182**	**0.0182**		**0.0171**	**0.0171**	**0.0000**	**52.1381**	**52.1381**	**0.0125**	**0.0000**	**52.4504**

3.4 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	0.0191	0.6565	0.1622	1.7900e-003	0.0451	1.2100e-003	0.0463	0.0130	1.1500e-003	0.0142	0.0000	173.1488	173.1488	0.0106	0.0000	173.4146
Worker	0.0675	0.0480	0.5546	1.7600e-003	0.1891	1.3800e-003	0.1905	0.0502	1.2700e-003	0.0515	0.0000	158.8028	158.8028	3.9900e-003	0.0000	158.9025
Total	**0.0866**	**0.7044**	**0.7168**	**3.5500e-003**	**0.2342**	**2.5900e-003**	**0.2368**	**0.0632**	**2.4200e-003**	**0.0657**	**0.0000**	**331.9516**	**331.9516**	**0.0146**	**0.0000**	**332.3171**

3.4 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**

3.4 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	0.0823	2.8539	0.8380	0.0100	0.2606	3.2500e-003	0.2638	0.0752	3.1000e-003	0.0783	0.0000	970.2602	970.2602	0.0534	0.0000	971.5952
Worker	0.3669	0.2507	2.9544	9.7700e-003	1.0925	7.7500e-003	1.1003	0.2902	7.1400e-003	0.2973	0.0000	883.3086	883.3086	0.0208	0.0000	883.8279
Total	**0.4493**	**3.1046**	**3.7924**	**0.0198**	**1.3531**	**0.0110**	**1.3641**	**0.3653**	**0.0102**	**0.3756**	**0.0000**	**1,853.5688**	**1,853.5688**	**0.0742**	**0.0000**	**1,855.4231**

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**

3.4 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	0.0823	2.8539	0.8380	0.0100	0.2606	3.2500e-003	0.2638	0.0752	3.1000e-003	0.0783	0.0000	970.2602	970.2602	0.0534	0.0000	971.5952
Worker	0.3669	0.2507	2.9544	9.7700e-003	1.0925	7.7500e-003	1.1003	0.2902	7.1400e-003	0.2973	0.0000	883.3086	883.3086	0.0208	0.0000	883.8279
Total	**0.4493**	**3.1046**	**3.7924**	**0.0198**	**1.3531**	**0.0110**	**1.3641**	**0.3653**	**0.0102**	**0.3756**	**0.0000**	**1,853.5688**	**1,853.5688**	**0.0742**	**0.0000**	**1,855.4231**

3.4 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**

3.4 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	0.0812	2.8691	0.8199	0.0100	0.2626	3.2300e-003	0.2658	0.0758	3.0900e-003	0.0789	0.0000	974.2695	974.2695	0.0530	0.0000	975.5932
Worker	0.3504	0.2301	2.7769	9.5200e-003	1.1009	7.7100e-003	1.1086	0.2924	7.1000e-003	0.2995	0.0000	860.8113	860.8113	0.0192	0.0000	861.2904
Total	**0.4316**	**3.0992**	**3.5967**	**0.0196**	**1.3635**	**0.0109**	**1.3745**	**0.3681**	**0.0102**	**0.3783**	**0.0000**	**1,835.0808**	**1,835.0808**	**0.0721**	**0.0000**	**1,836.8836**

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**

3.4 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	0.0812	2.8691	0.8199	0.0100	0.2626	3.2300e-003	0.2658	0.0758	3.0900e-003	0.0789	0.0000	974.2695	974.2695	0.0530	0.0000	975.5932
Worker	0.3504	0.2301	2.7769	9.5200e-003	1.1009	7.7100e-003	1.1086	0.2924	7.1000e-003	0.2995	0.0000	860.8113	860.8113	0.0192	0.0000	861.2904
Total	**0.4316**	**3.0992**	**3.5967**	**0.0196**	**1.3635**	**0.0109**	**1.3745**	**0.3681**	**0.0102**	**0.3783**	**0.0000**	**1,835.0808**	**1,835.0808**	**0.0721**	**0.0000**	**1,836.8836**

3.4 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**

3.4 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	0.0788	2.8327	0.7951	9.9300e-003	0.2616	3.1700e-003	0.2647	0.0755	3.0300e-003	0.0785	0.0000	965.1018	965.1018	0.0519	0.0000	966.3988
Worker	0.3319	0.2096	2.5690	9.1000e-003	1.0967	7.5300e-003	1.1043	0.2913	6.9300e-003	0.2982	0.0000	823.7465	823.7465	0.0174	0.0000	824.1813
Total	**0.4107**	**3.0423**	**3.3641**	**0.0190**	**1.3583**	**0.0107**	**1.3690**	**0.3667**	**9.9600e-003**	**0.3767**	**0.0000**	**1,788.8483**	**1,788.8483**	**0.0693**	**0.0000**	**1,790.5801**

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**

3.4 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	0.0788	2.8327	0.7951	9.9300e-003	0.2616	3.1700e-003	0.2647	0.0755	3.0300e-003	0.0785	0.0000	965.1018	965.1018	0.0519	0.0000	966.3988
Worker	0.3319	0.2096	2.5690	9.1000e-003	1.0967	7.5300e-003	1.1043	0.2913	6.9300e-003	0.2982	0.0000	823.7465	823.7465	0.0174	0.0000	824.1813
Total	**0.4107**	**3.0423**	**3.3641**	**0.0190**	**1.3583**	**0.0107**	**1.3690**	**0.3667**	**9.9600e-003**	**0.3767**	**0.0000**	**1,788.8483**	**1,788.8483**	**0.0693**	**0.0000**	**1,790.5801**

3.4 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**

3.4 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	0.0770	2.8058	0.7784	9.8700e-003	0.2616	3.1100e-003	0.2647	0.0755	2.9700e-003	0.0785	0.0000	959.8831	959.8831	0.0510	0.0000	961.1587
Worker	0.3172	0.1930	2.4009	8.7800e-003	1.0967	7.2800e-003	1.1040	0.2913	6.7000e-003	0.2980	0.0000	794.5420	794.5420	0.0159	0.0000	794.9402
Total	**0.3942**	**2.9988**	**3.1793**	**0.0187**	**1.3583**	**0.0104**	**1.3687**	**0.3667**	**9.6700e-003**	**0.3764**	**0.0000**	**1,754.4250**	**1,754.4250**	**0.0670**	**0.0000**	**1,756.0989**

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**

3.4 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	0.0770	2.8058	0.7784	9.8700e-003	0.2616	3.1100e-003	0.2647	0.0755	2.9700e-003	0.0785	0.0000	959.8831	959.8831	0.0510	0.0000	961.1587
Worker	0.3172	0.1930	2.4009	8.7800e-003	1.0967	7.2800e-003	1.1040	0.2913	6.7000e-003	0.2980	0.0000	794.5420	794.5420	0.0159	0.0000	794.9402
Total	**0.3942**	**2.9988**	**3.1793**	**0.0187**	**1.3583**	**0.0104**	**1.3687**	**0.3667**	**9.6700e-003**	**0.3764**	**0.0000**	**1,754.4250**	**1,754.4250**	**0.0670**	**0.0000**	**1,756.0989**

3.4 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**

3.4 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	0.0755	2.7798	0.7650	9.8200e-003	0.2616	3.0500e-003	0.2646	0.0755	2.9100e-003	0.0784	0.0000	955.2279	955.2279	0.0502	0.0000	956.4824
Worker	0.3027	0.1780	2.2511	8.4900e-003	1.0967	6.8900e-003	1.1036	0.2913	6.3300e-003	0.2976	0.0000	768.7908	768.7908	0.0146	0.0000	769.1561
Total	**0.3782**	**2.9578**	**3.0160**	**0.0183**	**1.3583**	**9.9400e-003**	**1.3682**	**0.3667**	**9.2400e-003**	**0.3760**	**0.0000**	**1,724.0187**	**1,724.0187**	**0.0648**	**0.0000**	**1,725.6385**

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**

3.4 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	0.0755	2.7798	0.7650	9.8200e-003	0.2616	3.0500e-003	0.2646	0.0755	2.9100e-003	0.0784	0.0000	955.2279	955.2279	0.0502	0.0000	956.4824
Worker	0.3027	0.1780	2.2511	8.4900e-003	1.0967	6.8900e-003	1.1036	0.2913	6.3300e-003	0.2976	0.0000	768.7908	768.7908	0.0146	0.0000	769.1561
Total	**0.3782**	**2.9578**	**3.0160**	**0.0183**	**1.3583**	**9.9400e-003**	**1.3682**	**0.3667**	**9.2400e-003**	**0.3760**	**0.0000**	**1,724.0187**	**1,724.0187**	**0.0648**	**0.0000**	**1,725.6385**

3.4 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**

3.4 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	0.0739	2.7479	0.7518	9.7400e-003	0.2606	2.9900e-003	0.2636	0.0752	2.8600e-003	0.0781	0.0000	947.6262	947.6262	0.0492	0.0000	948.8562
Worker	0.2865	0.1639	2.1116	8.2100e-003	1.0925	6.3500e-003	1.0989	0.2902	5.8500e-003	0.2960	0.0000	743.2562	743.2562	0.0134	0.0000	743.5918
Total	**0.3604**	**2.9118**	**2.8634**	**0.0180**	**1.3531**	**9.3400e-003**	**1.3625**	**0.3653**	**8.7100e-003**	**0.3740**	**0.0000**	**1,690.8823**	**1,690.8823**	**0.0626**	**0.0000**	**1,692.4480**

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**

3.4 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	0.0739	2.7479	0.7518	9.7400e-003	0.2606	2.9900e-003	0.2636	0.0752	2.8600e-003	0.0781	0.0000	947.6262	947.6262	0.0492	0.0000	948.8562
Worker	0.2865	0.1639	2.1116	8.2100e-003	1.0925	6.3500e-003	1.0989	0.2902	5.8500e-003	0.2960	0.0000	743.2562	743.2562	0.0134	0.0000	743.5918
Total	**0.3604**	**2.9118**	**2.8634**	**0.0180**	**1.3531**	**9.3400e-003**	**1.3625**	**0.3653**	**8.7100e-003**	**0.3740**	**0.0000**	**1,690.8823**	**1,690.8823**	**0.0626**	**0.0000**	**1,692.4480**

3.4 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**

3.4 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	0.0730	2.7375	0.7450	9.7400e-003	0.2616	2.9500e-003	0.2645	0.0755	2.8200e-003	0.0783	0.0000	947.7476	947.7476	0.0487	0.0000	948.9649
Worker	0.2707	0.1516	1.9903	8.0200e-003	1.0967	5.9300e-003	1.1027	0.2913	5.4500e-003	0.2967	0.0000	726.0081	726.0081	0.0124	0.0000	726.3173
Total	**0.3437**	**2.8891**	**2.7353**	**0.0178**	**1.3583**	**8.8800e-003**	**1.3672**	**0.3667**	**8.2700e-003**	**0.3750**	**0.0000**	**1,673.7557**	**1,673.7557**	**0.0611**	**0.0000**	**1,675.2822**

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**

3.4 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	0.0730	2.7375	0.7450	9.7400e-003	0.2616	2.9500e-003	0.2645	0.0755	2.8200e-003	0.0783	0.0000	947.7476	947.7476	0.0487	0.0000	948.9649
Worker	0.2707	0.1516	1.9903	8.0200e-003	1.0967	5.9300e-003	1.1027	0.2913	5.4500e-003	0.2967	0.0000	726.0081	726.0081	0.0124	0.0000	726.3173
Total	**0.3437**	**2.8891**	**2.7353**	**0.0178**	**1.3583**	**8.8800e-003**	**1.3672**	**0.3667**	**8.2700e-003**	**0.3750**	**0.0000**	**1,673.7557**	**1,673.7557**	**0.0611**	**0.0000**	**1,675.2822**

3.4 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**

3.4 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	0.0720	2.7174	0.7377	9.7000e-003	0.2616	2.9000e-003	0.2645	0.0755	2.7700e-003	0.0783	0.0000	944.5898	944.5898	0.0481	0.0000	945.7912
Worker	0.2535	0.1393	1.8707	7.8200e-003	1.0967	5.5200e-003	1.1022	0.2913	5.0800e-003	0.2963	0.0000	708.1727	708.1727	0.0113	0.0000	708.4562
Total	**0.3255**	**2.8566**	**2.6084**	**0.0175**	**1.3583**	**8.4200e-003**	**1.3667**	**0.3667**	**7.8500e-003**	**0.3746**	**0.0000**	**1,652.7625**	**1,652.7625**	**0.0594**	**0.0000**	**1,654.2474**

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**

3.4 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	0.0720	2.7174	0.7377	9.7000e-003	0.2616	2.9000e-003	0.2645	0.0755	2.7700e-003	0.0783	0.0000	944.5898	944.5898	0.0481	0.0000	945.7912
Worker	0.2535	0.1393	1.8707	7.8200e-003	1.0967	5.5200e-003	1.1022	0.2913	5.0800e-003	0.2963	0.0000	708.1727	708.1727	0.0113	0.0000	708.4562
Total	**0.3255**	**2.8566**	**2.6084**	**0.0175**	**1.3583**	**8.4200e-003**	**1.3667**	**0.3667**	**7.8500e-003**	**0.3746**	**0.0000**	**1,652.7625**	**1,652.7625**	**0.0594**	**0.0000**	**1,654.2474**

3.4 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**

3.4 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	0.0717	2.7070	0.7359	9.6900e-003	0.2616	2.8600e-003	0.2645	0.0755	2.7400e-003	0.0782	0.0000	943.6769	943.6769	0.0476	0.0000	944.8658
Worker	0.2346	0.1272	1.7585	7.6600e-003	1.0967	5.1600e-003	1.1019	0.2913	4.7500e-003	0.2960	0.0000	693.5315	693.5315	0.0104	0.0000	693.7914
Total	**0.3063**	**2.8342**	**2.4944**	**0.0174**	**1.3583**	**8.0200e-003**	**1.3663**	**0.3667**	**7.4900e-003**	**0.3742**	**0.0000**	**1,637.2084**	**1,637.2084**	**0.0580**	**0.0000**	**1,638.6572**

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**

3.4 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	0.0717	2.7070	0.7359	9.6900e-003	0.2616	2.8600e-003	0.2645	0.0755	2.7400e-003	0.0782	0.0000	943.6769	943.6769	0.0476	0.0000	944.8658
Worker	0.2346	0.1272	1.7585	7.6600e-003	1.0967	5.1600e-003	1.1019	0.2913	4.7500e-003	0.2960	0.0000	693.5315	693.5315	0.0104	0.0000	693.7914
Total	**0.3063**	**2.8342**	**2.4944**	**0.0174**	**1.3583**	**8.0200e-003**	**1.3663**	**0.3667**	**7.4900e-003**	**0.3742**	**0.0000**	**1,637.2084**	**1,637.2084**	**0.0580**	**0.0000**	**1,638.6572**

3.4 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**

3.4 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	0.0714	2.7000	0.7354	9.7100e-003	0.2626	2.8400e-003	0.2654	0.0758	2.7100e-003	0.0785	0.0000	945.4139	945.4139	0.0473	0.0000	946.5961
Worker	0.2186	0.1171	1.6606	7.5300e-003	1.1009	4.8300e-003	1.1058	0.2924	4.4400e-003	0.2968	0.0000	682.2147	682.2147	9.5600e-003	0.0000	682.4538
Total	**0.2900**	**2.8171**	**2.3960**	**0.0172**	**1.3635**	**7.6700e-003**	**1.3712**	**0.3682**	**7.1500e-003**	**0.3753**	**0.0000**	**1,627.6286**	**1,627.6286**	**0.0569**	**0.0000**	**1,629.0498**

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**

3.4 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	0.0714	2.7000	0.7354	9.7100e-003	0.2626	2.8400e-003	0.2654	0.0758	2.7100e-003	0.0785	0.0000	945.4139	945.4139	0.0473	0.0000	946.5961
Worker	0.2186	0.1171	1.6606	7.5300e-003	1.1009	4.8300e-003	1.1058	0.2924	4.4400e-003	0.2968	0.0000	682.2147	682.2147	9.5600e-003	0.0000	682.4538
Total	**0.2900**	**2.8171**	**2.3960**	**0.0172**	**1.3635**	**7.6700e-003**	**1.3712**	**0.3682**	**7.1500e-003**	**0.3753**	**0.0000**	**1,627.6286**	**1,627.6286**	**0.0569**	**0.0000**	**1,629.0498**

3.4 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**

3.4 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	0.0704	2.6638	0.7276	9.6100e-003	0.2606	2.7800e-003	0.2634	0.0752	2.6600e-003	0.0779	0.0000	936.7459	936.7459	0.0465	0.0000	937.9092
Worker	0.2026	0.1073	1.5590	7.3400e-003	1.0925	4.4800e-003	1.0970	0.2902	4.1200e-003	0.2943	0.0000	664.9019	664.9019	8.7500e-003	0.0000	665.1206
Total	**0.2730**	**2.7711**	**2.2865**	**0.0170**	**1.3531**	**7.2600e-003**	**1.3604**	**0.3653**	**6.7800e-003**	**0.3721**	**0.0000**	**1,601.6477**	**1,601.6477**	**0.0553**	**0.0000**	**1,603.0298**

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**

3.4 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	0.0704	2.6638	0.7276	9.6100e-003	0.2606	2.7800e-003	0.2634	0.0752	2.6600e-003	0.0779	0.0000	936.7459	936.7459	0.0465	0.0000	937.9092
Worker	0.2026	0.1073	1.5590	7.3400e-003	1.0925	4.4800e-003	1.0970	0.2902	4.1200e-003	0.2943	0.0000	664.9019	664.9019	8.7500e-003	0.0000	665.1206
Total	**0.2730**	**2.7711**	**2.2865**	**0.0170**	**1.3531**	**7.2600e-003**	**1.3604**	**0.3653**	**6.7800e-003**	**0.3721**	**0.0000**	**1,601.6477**	**1,601.6477**	**0.0553**	**0.0000**	**1,603.0298**

3.4 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	0.1211	0.7340	1.4945	2.8600e-003		0.0137	0.0137		0.0137	0.0137	0.0000	243.1464	243.1464	9.7500e-003	0.0000	243.3903
Total	**0.1211**	**0.7340**	**1.4945**	**2.8600e-003**		**0.0137**	**0.0137**		**0.0137**	**0.0137**	**0.0000**	**243.1464**	**243.1464**	**9.7500e-003**	**0.0000**	**243.3903**

3.4 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	0.0498	1.8854	0.5160	6.8300e-003	0.1854	1.9600e-003	0.1874	0.0535	1.8700e-003	0.0554	0.0000	665.7494	665.7494	0.0329	0.0000	666.5713
Worker	0.1356	0.0711	1.0483	5.1400e-003	0.7774	2.9800e-003	0.7804	0.2065	2.7400e-003	0.2092	0.0000	465.5637	465.5637	5.7200e-003	0.0000	465.7068
Total	**0.1854**	**1.9564**	**1.5643**	**0.0120**	**0.9628**	**4.9400e-003**	**0.9677**	**0.2600**	**4.6100e-003**	**0.2646**	**0.0000**	**1,131.3131**	**1,131.3131**	**0.0386**	**0.0000**	**1,132.2781**

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	0.1211	0.7340	1.4945	2.8600e-003		0.0137	0.0137		0.0137	0.0137	0.0000	243.1462	243.1462	9.7500e-003	0.0000	243.3900
Total	**0.1211**	**0.7340**	**1.4945**	**2.8600e-003**		**0.0137**	**0.0137**		**0.0137**	**0.0137**	**0.0000**	**243.1462**	**243.1462**	**9.7500e-003**	**0.0000**	**243.3900**

3.4 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	0.0498	1.8854	0.5160	6.8300e-003	0.1854	1.9600e-003	0.1874	0.0535	1.8700e-003	0.0554	0.0000	665.7494	665.7494	0.0329	0.0000	666.5713
Worker	0.1356	0.0711	1.0483	5.1400e-003	0.7774	2.9800e-003	0.7804	0.2065	2.7400e-003	0.2092	0.0000	465.5637	465.5637	5.7200e-003	0.0000	465.7068
Total	**0.1854**	**1.9564**	**1.5643**	**0.0120**	**0.9628**	**4.9400e-003**	**0.9677**	**0.2600**	**4.6100e-003**	**0.2646**	**0.0000**	**1,131.3131**	**1,131.3131**	**0.0386**	**0.0000**	**1,132.2781**

3.5 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	0.0519	0.2670	0.5944	1.0500e-003		0.0124	0.0124		0.0124	0.0124	0.0000	90.3732	90.3732	4.2400e-003	0.0000	90.4791
Paving	0.0402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0921**	**0.2670**	**0.5944**	**1.0500e-003**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**90.3732**	**90.3732**	**4.2400e-003**	**0.0000**	**90.4791**

3.5 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	1.0800e-003	5.6000e-004	8.3200e-003	4.0000e-005	6.1700e-003	2.0000e-005	6.1900e-003	1.6400e-003	2.0000e-005	1.6600e-003	0.0000	3.6960	3.6960	5.0000e-005	0.0000	3.6971
Total	**1.0800e-003**	**5.6000e-004**	**8.3200e-003**	**4.0000e-005**	**6.1700e-003**	**2.0000e-005**	**6.1900e-003**	**1.6400e-003**	**2.0000e-005**	**1.6600e-003**	**0.0000**	**3.6960**	**3.6960**	**5.0000e-005**	**0.0000**	**3.6971**

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	0.0519	0.2670	0.5944	1.0500e-003		0.0124	0.0124		0.0124	0.0124	0.0000	90.3731	90.3731	4.2400e-003	0.0000	90.4790
Paving	0.0402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0921**	**0.2670**	**0.5944**	**1.0500e-003**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**90.3731**	**90.3731**	**4.2400e-003**	**0.0000**	**90.4790**

3.5 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	1.0800e-003	5.6000e-004	8.3200e-003	4.0000e-005	6.1700e-003	2.0000e-005	6.1900e-003	1.6400e-003	2.0000e-005	1.6600e-003	0.0000	3.6960	3.6960	5.0000e-005	0.0000	3.6971
Total	**1.0800e-003**	**5.6000e-004**	**8.3200e-003**	**4.0000e-005**	**6.1700e-003**	**2.0000e-005**	**6.1900e-003**	**1.6400e-003**	**2.0000e-005**	**1.6600e-003**	**0.0000**	**3.6960**	**3.6960**	**5.0000e-005**	**0.0000**	**3.6971**

3.5 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	0.0827	0.3535	1.1470	2.0300e-003		0.0136	0.0136		0.0136	0.0136	0.0000	174.7215	174.7215	6.7200e-003	0.0000	174.8896
Paving	0.0777					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1604**	**0.3535**	**1.1470**	**2.0300e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**	**0.0000**	**174.7215**	**174.7215**	**6.7200e-003**	**0.0000**	**174.8896**

3.5 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	1.9700e-003	1.0300e-003	0.0153	8.0000e-005	0.0119	4.0000e-005	0.0120	3.1700e-003	4.0000e-005	3.2100e-003	0.0000	7.0465	7.0465	8.0000e-005	0.0000	7.0486
Total	**1.9700e-003**	**1.0300e-003**	**0.0153**	**8.0000e-005**	**0.0119**	**4.0000e-005**	**0.0120**	**3.1700e-003**	**4.0000e-005**	**3.2100e-003**	**0.0000**	**7.0465**	**7.0465**	**8.0000e-005**	**0.0000**	**7.0486**

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	0.0827	0.3535	1.1470	2.0300e-003		0.0136	0.0136		0.0136	0.0136	0.0000	174.7213	174.7213	6.7200e-003	0.0000	174.8894
Paving	0.0777					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1604**	**0.3535**	**1.1470**	**2.0300e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**	**0.0000**	**174.7213**	**174.7213**	**6.7200e-003**	**0.0000**	**174.8894**

3.5 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	1.9700e-003	1.0300e-003	0.0153	8.0000e-005	0.0119	4.0000e-005	0.0120	3.1700e-003	4.0000e-005	3.2100e-003	0.0000	7.0465	7.0465	8.0000e-005	0.0000	7.0486
Total	**1.9700e-003**	**1.0300e-003**	**0.0153**	**8.0000e-005**	**0.0119**	**4.0000e-005**	**0.0120**	**3.1700e-003**	**4.0000e-005**	**3.2100e-003**	**0.0000**	**7.0465**	**7.0465**	**8.0000e-005**	**0.0000**	**7.0486**

3.6 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	1.8001					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8400e-003	0.0440	0.1041	1.7000e-004		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	14.8089	14.8089	5.5000e-004	0.0000	14.8226
Total	**1.8069**	**0.0440**	**0.1041**	**1.7000e-004**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**14.8089**	**14.8089**	**5.5000e-004**	**0.0000**	**14.8226**

3.6 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	0.0161	8.4100e-003	0.1250	6.3000e-004	0.0974	3.5000e-004	0.0977	0.0259	3.2000e-004	0.0262	0.0000	57.4995	57.4995	6.7000e-004	0.0000	57.5161
Total	**0.0161**	**8.4100e-003**	**0.1250**	**6.3000e-004**	**0.0974**	**3.5000e-004**	**0.0977**	**0.0259**	**3.2000e-004**	**0.0262**	**0.0000**	**57.4995**	**57.4995**	**6.7000e-004**	**0.0000**	**57.5161**

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	1.8001					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8400e-003	0.0440	0.1041	1.7000e-004		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	14.8089	14.8089	5.5000e-004	0.0000	14.8225
Total	**1.8069**	**0.0440**	**0.1041**	**1.7000e-004**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**14.8089**	**14.8089**	**5.5000e-004**	**0.0000**	**14.8225**

3.6 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	0.0161	8.4100e-003	0.1250	6.3000e-004	0.0974	3.5000e-004	0.0977	0.0259	3.2000e-004	0.0262	0.0000	57.4995	57.4995	6.7000e-004	0.0000	57.5161
Total	**0.0161**	**8.4100e-003**	**0.1250**	**6.3000e-004**	**0.0974**	**3.5000e-004**	**0.0977**	**0.0259**	**3.2000e-004**	**0.0262**	**0.0000**	**57.4995**	**57.4995**	**6.7000e-004**	**0.0000**	**57.5161**

3.6 Architectural Coating - 2036

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	1.6139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1300e-003	0.0394	0.0933	1.5000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	13.2769	13.2769	4.9000e-004	0.0000	13.2892
Total	**1.6200**	**0.0394**	**0.0933**	**1.5000e-004**		**5.2000e-004**	**5.2000e-004**		**5.2000e-004**	**5.2000e-004**	**0.0000**	**13.2769**	**13.2769**	**4.9000e-004**	**0.0000**	**13.2892**

3.6 Architectural Coating - 2036

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	0.0144	7.5400e-003	0.1121	5.7000e-004	0.0873	3.1000e-004	0.0876	0.0232	2.9000e-004	0.0235	0.0000	51.5513	51.5513	6.0000e-004	0.0000	51.5662
Total	**0.0144**	**7.5400e-003**	**0.1121**	**5.7000e-004**	**0.0873**	**3.1000e-004**	**0.0876**	**0.0232**	**2.9000e-004**	**0.0235**	**0.0000**	**51.5513**	**51.5513**	**6.0000e-004**	**0.0000**	**51.5662**

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	1.6139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1300e-003	0.0394	0.0933	1.5000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	13.2769	13.2769	4.9000e-004	0.0000	13.2892
Total	**1.6200**	**0.0394**	**0.0933**	**1.5000e-004**		**5.2000e-004**	**5.2000e-004**		**5.2000e-004**	**5.2000e-004**	**0.0000**	**13.2769**	**13.2769**	**4.9000e-004**	**0.0000**	**13.2892**

3.6 Architectural Coating - 2036

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	0.0144	7.5400e-003	0.1121	5.7000e-004	0.0873	3.1000e-004	0.0876	0.0232	2.9000e-004	0.0235	0.0000	51.5513	51.5513	6.0000e-004	0.0000	51.5662
Total	**0.0144**	**7.5400e-003**	**0.1121**	**5.7000e-004**	**0.0873**	**3.1000e-004**	**0.0876**	**0.0232**	**2.9000e-004**	**0.0235**	**0.0000**	**51.5513**	**51.5513**	**6.0000e-004**	**0.0000**	**51.5662**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.8635	24.7857	50.4060	0.1654	12.7591	0.1380	12.8971	3.4191	0.1288	3.5480	0.0000	15,286.0278	15,286.0278	0.8499	0.0000	15,307.2750
Unmitigated	5.3074	28.1182	61.6704	0.2125	16.8445	0.1751	17.0196	4.5139	0.1634	4.6774	0.0000	19,634.4227	19,634.4227	1.0321	0.0000	19,660.2239

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	920.43	244.95	126.19	3,146,149	2,383,082
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	18,950.50	25,084.94	12670.48	40,941,993	31,011,922
Place of Worship	81.14	69.93	322.58	243,205	184,218
Total	19,952.07	25,399.83	13,119.25	44,331,348	33,579,223

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Regional Shopping Center	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Place of Worship	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,856.8934	2,856.8934	0.1180	0.0244	2,867.1140
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,856.8934	2,856.8934	0.1180	0.0244	2,867.1140
NaturalGas Mitigated	0.0237	0.2154	0.1809	1.2900e-003		0.0164	0.0164		0.0164	0.0164	0.0000	234.4493	234.4493	4.4900e-003	4.3000e-003	235.8425
NaturalGas Unmitigated	0.0237	0.2154	0.1809	1.2900e-003		0.0164	0.0164		0.0164	0.0164	0.0000	234.4493	234.4493	4.4900e-003	4.3000e-003	235.8425

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	3.35882e+006	0.0181	0.1647	0.1383	9.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	179.2393	179.2393	3.4400e-003	3.2900e-003	180.3044
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	211318	1.1400e-003	0.0104	8.7000e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.2767	11.2767	2.2000e-004	2.1000e-004	11.3437
Regional Shopping Center	823280	4.4400e-003	0.0404	0.0339	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	43.9334	43.9334	8.4000e-004	8.1000e-004	44.1944
Total		**0.0237**	**0.2154**	**0.1809**	**1.2900e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**234.4493**	**234.4493**	**4.5000e-003**	**4.3100e-003**	**235.8426**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	3.35882e+006	0.0181	0.1647	0.1383	9.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	179.2393	179.2393	3.4400e-003	3.2900e-003	180.3044
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	211318	1.1400e-003	0.0104	8.7000e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.2767	11.2767	2.2000e-004	2.1000e-004	11.3437
Regional Shopping Center	823280	4.4400e-003	0.0404	0.0339	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	43.9334	43.9334	8.4000e-004	8.1000e-004	44.1944
Total		**0.0237**	**0.2154**	**0.1809**	**1.2900e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**234.4493**	**234.4493**	**4.5000e-003**	**4.3100e-003**	**235.8426**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.05983e+006	656.3050	0.0271	5.6100e-003	658.6530
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	129593	41.2910	1.7000e-003	3.5000e-004	41.4387
Regional Shopping Center	6.777e+006	2,159.2974	0.0892	0.0184	2,167.0223
Total		**2,856.8934**	**0.1180**	**0.0244**	**2,867.1140**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.05983e+006	656.3050	0.0271	5.6100e-003	658.6530
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	129593	41.2910	1.7000e-003	3.5000e-004	41.4387
Regional Shopping Center	6.777e+006	2,159.2974	0.0892	0.0184	2,167.0223
Total		**2,856.8934**	**0.1180**	**0.0244**	**2,867.1140**

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	2.9494	9.0000e-005	9.3200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0193
Unmitigated	2.9494	9.0000e-005	9.3200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0193

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6071					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.7000e-004	9.0000e-005	9.3200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0193
Total	**2.9494**	**9.0000e-005**	**9.3200e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0181**	**0.0181**	**5.0000e-005**	**0.0000**	**0.0193**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6071					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.7000e-004	9.0000e-005	9.3200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0181	0.0181	5.0000e-005	0.0000	0.0193
Total	**2.9494**	**9.0000e-005**	**9.3200e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0181**	**0.0181**	**5.0000e-005**	**0.0000**	**0.0193**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	442.0483	2.6391	0.0655	527.5342
Unmitigated	442.0483	2.6391	0.0655	527.5342

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	42.9131 / 0	191.6507	1.4057	0.0345	237.0849
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.365454 / 0.571608	3.6556	0.0121	3.1000e-004	4.0497
Regional Shopping Center	37.1844 / 22.7904	246.7420	1.2214	0.0306	286.3996
Total		**442.0483**	**2.6391**	**0.0655**	**527.5342**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	42.9131 / 0	191.6507	1.4057	0.0345	237.0849
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.365454 / 0.571608	3.6556	0.0121	3.1000e-004	4.0497
Regional Shopping Center	37.1844 / 22.7904	246.7420	1.2214	0.0306	286.3996
Total		**442.0483**	**2.6391**	**0.0655**	**527.5342**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	167.2219	9.8825	0.0000	414.2852
Unmitigated	167.2219	9.8825	0.0000	414.2852

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	230.11	46.7103	2.7605	0.0000	115.7227
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	66.58	13.5151	0.7987	0.0000	33.4832
Regional Shopping Center	527.1	106.9965	6.3233	0.0000	265.0794
Total		**167.2219**	**9.8825**	**0.0000**	**414.2852**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	230.11	46.7103	2.7605	0.0000	115.7227
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	66.58	13.5151	0.7987	0.0000	33.4832
Regional Shopping Center	527.1	106.9965	6.3233	0.0000	265.0794
Total		**167.2219**	**9.8825**	**0.0000**	**414.2852**

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

Compton Hub City Specific Plan (Phase 1 and 2)

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	76.46	1000sqft	0.00	76,462.00	0
Other Asphalt Surfaces	7.73	Acre	7.73	336,718.80	0
City Park	1.30	Acre	1.30	56,628.00	0
Apartments Mid Rise	1,948.00	Dwelling Unit	15.35	1,948,321.00	5571
Regional Shopping Center	74.35	1000sqft	0.00	74,348.00	0
Library	32.25	1000sqft	0.74	32,250.00	0
Place of Worship	32.25	1000sqft	0.74	32,250.00	0
Government (Civic Center)	32.25	1000sqft	0.74	32,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Based on project plans dated August 2019; Library land use substitute for Museum and Gov Civic Center for Community Center

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Trips and VMT -

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates September 2019 plus ITE 10th Ed rates

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	550.00
tblConstructionPhase	NumDays	35.00	218.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,655.80	0.00
tblFireplaces	NumberNoFireplace	194.80	0.00
tblFireplaces	NumberWood	97.40	0.00

tblGrading	AcresOfGrading	225.00	112.50
tblLandUse	LandUseSquareFeet	76,460.00	76,462.00
tblLandUse	LandUseSquareFeet	1,948,000.00	1,948,321.00
tblLandUse	LandUseSquareFeet	74,350.00	74,348.00
tblLandUse	LotAcreage	1.76	0.00
tblLandUse	LotAcreage	51.26	15.35
tblLandUse	LotAcreage	1.71	0.00
tblVehicleTrips	ST_TR	0.00	9.10
tblVehicleTrips	ST_TR	22.75	1.96
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	0.00	13.60
tblVehicleTrips	SU_TR	16.74	2.19
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	27.92	28.82
tblVehicleTrips	WD_TR	1.89	0.02
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	56.24	2.80
tblVehicleTrips	WD_TR	9.11	6.95
tblWoodstoves	NumberCatalytic	97.40	0.00
tblWoodstoves	NumberNoncatalytic	97.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5406	50.2583	32.7759	0.0643	18.2675	2.1989	20.4664	9.9840	2.0230	12.0071	0.0000	6,234.7488	6,234.7488	1.9490	0.0000	6,283.4737
2021	9.7496	51.8100	85.9318	0.2905	20.4799	1.9870	21.6346	5.4768	1.8280	6.5608	0.0000	29,386.0647	29,386.0647	1.9488	0.0000	29,426.6672
2022	72.1989	50.2674	93.9852	0.3216	24.1797	1.1014	25.2811	6.4580	1.0387	7.4967	0.0000	32,472.2750	32,472.2750	1.6608	0.0000	32,513.7957
2023	71.3756	41.5502	87.9117	0.3111	24.1797	0.9491	25.1288	6.4580	0.8945	7.3525	0.0000	31,427.2521	31,427.2521	1.5393	0.0000	31,465.7341
Maximum	**72.1989**	**51.8100**	**93.9852**	**0.3216**	**24.1797**	**2.1989**	**25.2811**	**9.9840**	**2.0230**	**12.0071**	**0.0000**	**32,472.2750**	**32,472.2750**	**1.9490**	**0.0000**	**32,513.7957**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5406	50.2583	32.7759	0.0643	8.3310	2.1989	10.5300	4.5222	2.0230	6.5452	0.0000	6,234.7488	6,234.7488	1.9490	0.0000	6,283.4737
2021	9.7496	51.8100	85.9318	0.2905	20.4799	1.9870	21.6346	5.4768	1.8280	6.5608	0.0000	29,386.0647	29,386.0647	1.9488	0.0000	29,426.6672
2022	72.1989	50.2674	93.9852	0.3216	24.1797	1.1014	25.2811	6.4580	1.0387	7.4967	0.0000	32,472.2750	32,472.2750	1.6608	0.0000	32,513.7957
2023	71.3756	41.5502	87.9117	0.3111	24.1797	0.9491	25.1288	6.4580	0.8945	7.3525	0.0000	31,427.2521	31,427.2521	1.5393	0.0000	31,465.7341
Maximum	**72.1989**	**51.8100**	**93.9852**	**0.3216**	**24.1797**	**2.1989**	**25.2811**	**6.4580**	**2.0230**	**7.4967**	**0.0000**	**32,472.2750**	**32,472.2750**	**1.9490**	**0.0000**	**32,513.7957**

	ROG	NOx	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**	**11.41**	**0.00**	**10.74**	**19.25**	**0.00**	**16.34**	**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	52.4277	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905	0.0000	289.4360	289.4360	0.2778	0.0000	296.3811
Energy	0.6020	5.1836	2.4753	0.0328		0.4159	0.4159		0.4159	0.4159		6,567.5010	6,567.5010	0.1259	0.1204	6,606.5283
Mobile	28.3010	126.4189	363.8820	1.4759	127.8206	1.0152	128.8358	34.1963	0.9436	35.1399		150,509.7108	150,509.7108	6.4819		150,671.7585
Total	**81.3307**	**133.4536**	**527.0284**	**1.5172**	**127.8206**	**2.3216**	**130.1422**	**34.1963**	**2.2500**	**36.4463**	**0.0000**	**157,366.6478**	**157,366.6478**	**6.8856**	**0.1204**	**157,574.6680**

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	52.4277	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905	0.0000	289.4360	289.4360	0.2778	0.0000	296.3811
Energy	0.6020	5.1836	2.4753	0.0328		0.4159	0.4159		0.4159	0.4159		6,567.5010	6,567.5010	0.1259	0.1204	6,606.5283
Mobile	25.5749	112.3810	289.0900	1.1416	96.8190	0.7945	97.6135	25.9023	0.7383	26.6406		116,496.8697	116,496.8697	5.1971		116,626.7959
Total	**78.6046**	**119.4157**	**452.2363**	**1.1829**	**96.8190**	**2.1009**	**98.9199**	**25.9023**	**2.0447**	**27.9470**	**0.0000**	**123,353.8067**	**123,353.8067**	**5.6007**	**0.1204**	**123,529.7054**

	ROG	NOx	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	**3.35**	**10.52**	**14.19**	**22.03**	**24.25**	**9.51**	**23.99**	**24.25**	**9.13**	**23.32**	**0.00**	**21.61**	**21.61**	**18.66**	**0.00**	**21.61**

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	6/1/2020	8/21/2020	5	60	
2	Site Preparation	Site Preparation	8/22/2020	10/16/2020	5	40	
3	Grading	Grading	10/17/2020	2/19/2021	5	90	
4	Building Construction	Building Construction	2/20/2021	3/31/2023	5	550	
5	Architectural Coating	Architectural Coating	6/1/2022	3/31/2023	5	218	
6	Paving	Paving	4/1/2023	5/19/2023	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 7.73

Residential Indoor: 3,945,350; Residential Outdoor: 1,315,117; Non-Residential Indoor: 371,340; Non-Residential Outdoor: 123,780; Striped Parking Area: 20,203 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, 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	1,196.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,653.00	313.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	331.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.3133	0.0000	4.3133	0.6531	0.0000	0.6531			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**	**4.3133**	**1.6587**	**5.9720**	**0.6531**	**1.5419**	**2.1949**		**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	0.1514	5.4247	1.0794	0.0155	0.3483	0.0175	0.3658	0.0955	0.0167	0.1122		1,671.0696	1,671.0696	0.1121		1,673.8730
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	0.0679	0.0456	0.6132	1.7200e-003	0.1677	1.2700e-003	0.1689	0.0445	1.1700e-003	0.0456		171.6626	171.6626	4.9400e-003		171.7860
Total	**0.2193**	**5.4703**	**1.6926**	**0.0172**	**0.5160**	**0.0188**	**0.5348**	**0.1399**	**0.0179**	**0.1578**		**1,842.7322**	**1,842.7322**	**0.1171**		**1,845.6590**

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					1.9410	0.0000	1.9410	0.2939	0.0000	0.2939			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**	**1.9410**	**1.6587**	**3.5997**	**0.2939**	**1.5419**	**1.8357**	**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	0.1514	5.4247	1.0794	0.0155	0.3483	0.0175	0.3658	0.0955	0.0167	0.1122		1,671.0696	1,671.0696	0.1121		1,673.8730
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	0.0679	0.0456	0.6132	1.7200e-003	0.1677	1.2700e-003	0.1689	0.0445	1.1700e-003	0.0456		171.6626	171.6626	4.9400e-003		171.7860
Total	**0.2193**	**5.4703**	**1.6926**	**0.0172**	**0.5160**	**0.0188**	**0.5348**	**0.1399**	**0.0179**	**0.1578**		**1,842.7322**	**1,842.7322**	**0.1171**		**1,845.6590**

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	0.0814	0.0547	0.7359	2.0700e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		205.9951	205.9951	5.9200e-003		206.1432
Total	**0.0814**	**0.0547**	**0.7359**	**2.0700e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**205.9951**	**205.9951**	**5.9200e-003**		**206.1432**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			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**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**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	0.0814	0.0547	0.7359	2.0700e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		205.9951	205.9951	5.9200e-003		206.1432
Total	**0.0814**	**0.0547**	**0.7359**	**2.0700e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**205.9951**	**205.9951**	**5.9200e-003**		**206.1432**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3477	0.0000	7.3477	3.4534	0.0000	3.4534			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**7.3477**	**2.1739**	**9.5216**	**3.4534**	**2.0000**	**5.4534**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0905	0.0608	0.8176	2.3000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5600e-003	0.0609		228.8835	228.8835	6.5800e-003		229.0480
Total	**0.0905**	**0.0608**	**0.8176**	**2.3000e-003**	**0.2236**	**1.7000e-003**	**0.2253**	**0.0593**	**1.5600e-003**	**0.0609**		**228.8835**	**228.8835**	**6.5800e-003**		**229.0480**

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					3.3065	0.0000	3.3065	1.5540	0.0000	1.5540			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**3.3065**	**2.1739**	**5.4804**	**1.5540**	**2.0000**	**3.5540**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0905	0.0608	0.8176	2.3000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5600e-003	0.0609		228.8835	228.8835	6.5800e-003		229.0480
Total	**0.0905**	**0.0608**	**0.8176**	**2.3000e-003**	**0.2236**	**1.7000e-003**	**0.2253**	**0.0593**	**1.5600e-003**	**0.0609**		**228.8835**	**228.8835**	**6.5800e-003**		**229.0480**

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					7.3477	0.0000	7.3477	3.4534	0.0000	3.4534			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**	**7.3477**	**1.9853**	**9.3331**	**3.4534**	**1.8265**	**5.2799**		**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	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0844**	**0.0548**	**0.7535**	**2.2200e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**221.4807**	**221.4807**	**5.9600e-003**		**221.6296**

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					3.3065	0.0000	3.3065	1.5540	0.0000	1.5540			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**	**3.3065**	**1.9853**	**5.2918**	**1.5540**	**1.8265**	**3.3805**	**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	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	**0.0844**	**0.0548**	**0.7535**	**2.2200e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**221.4807**	**221.4807**	**5.9600e-003**		**221.6296**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.8710	29.8525	7.0840	0.0799	2.0032	0.0601	2.0634	0.5767	0.0575	0.6342		8,527.3240	8,527.3240	0.5158		8,540.2197
Worker	6.9777	4.5254	62.2725	0.1837	18.4766	0.1360	18.6126	4.9001	0.1253	5.0254		18,305.3768	18,305.3768	0.4923		18,317.6832
Total	**7.8486**	**34.3779**	**69.3566**	**0.2636**	**20.4799**	**0.1961**	**20.6760**	**5.4768**	**0.1828**	**5.6596**		**26,832.7008**	**26,832.7008**	**1.0081**		**26,857.9029**

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.8710	29.8525	7.0840	0.0799	2.0032	0.0601	2.0634	0.5767	0.0575	0.6342		8,527.3240	8,527.3240	0.5158		8,540.2197
Worker	6.9777	4.5254	62.2725	0.1837	18.4766	0.1360	18.6126	4.9001	0.1253	5.0254		18,305.3768	18,305.3768	0.4923		18,317.6832
Total	**7.8486**	**34.3779**	**69.3566**	**0.2636**	**20.4799**	**0.1961**	**20.6760**	**5.4768**	**0.1828**	**5.6596**		**26,832.7008**	**26,832.7008**	**1.0081**		**26,857.9029**

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	0.8168	28.3369	6.6950	0.0791	2.0032	0.0521	2.0553	0.5767	0.0498	0.6265		8,452.8506	8,452.8506	0.4966		8,465.2651
Worker	6.5451	4.0879	57.5828	0.1771	18.4766	0.1321	18.6088	4.9001	0.1217	5.0218		17,649.4766	17,649.4766	0.4449		17,660.5989
Total	**7.3619**	**32.4247**	**64.2778**	**0.2562**	**20.4799**	**0.1842**	**20.6641**	**5.4768**	**0.1715**	**5.6483**		**26,102.3272**	**26,102.3272**	**0.9415**		**26,125.8640**

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	0.8168	28.3369	6.6950	0.0791	2.0032	0.0521	2.0553	0.5767	0.0498	0.6265		8,452.8506	8,452.8506	0.4966		8,465.2651
Worker	6.5451	4.0879	57.5828	0.1771	18.4766	0.1321	18.6088	4.9001	0.1217	5.0218		17,649.4766	17,649.4766	0.4449		17,660.5989
Total	**7.3619**	**32.4247**	**64.2778**	**0.2562**	**20.4799**	**0.1842**	**20.6641**	**5.4768**	**0.1715**	**5.6483**		**26,102.3272**	**26,102.3272**	**0.9415**		**26,125.8640**

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	0.6094	21.4228	6.0321	0.0766	2.0032	0.0241	2.0273	0.5767	0.0230	0.5997		8,196.4595	8,196.4595	0.4330		8,207.2849
Worker	6.1539	3.6989	53.1764	0.1705	18.4766	0.1287	18.6053	4.9001	0.1185	5.0186		16,991.6857	16,991.6857	0.4012		17,001.7167
Total	**6.7633**	**25.1217**	**59.2084**	**0.2471**	**20.4799**	**0.1528**	**20.6326**	**5.4768**	**0.1415**	**5.6183**		**25,188.1452**	**25,188.1452**	**0.8343**		**25,209.0016**

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	0.6094	21.4228	6.0321	0.0766	2.0032	0.0241	2.0273	0.5767	0.0230	0.5997		8,196.4595	8,196.4595	0.4330		8,207.2849
Worker	6.1539	3.6989	53.1764	0.1705	18.4766	0.1287	18.6053	4.9001	0.1185	5.0186		16,991.6857	16,991.6857	0.4012		17,001.7167
Total	**6.7633**	**25.1217**	**59.2084**	**0.2471**	**20.4799**	**0.1528**	**20.6326**	**5.4768**	**0.1415**	**5.6183**		**25,188.1452**	**25,188.1452**	**0.8343**		**25,209.0016**

3.6 Architectural Coating - 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					
Archit. Coating	61.6157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**61.8202**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	1.3106	0.8186	11.5305	0.0355	3.6998	0.0265	3.7263	0.9812	0.0244	1.0056		3,534.1662	3,534.1662	0.0891		3,536.3934
Total	**1.3106**	**0.8186**	**11.5305**	**0.0355**	**3.6998**	**0.0265**	**3.7263**	**0.9812**	**0.0244**	**1.0056**		**3,534.1662**	**3,534.1662**	**0.0891**		**3,536.3934**

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	61.6157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**61.8202**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	1.3106	0.8186	11.5305	0.0355	3.6998	0.0265	3.7263	0.9812	0.0244	1.0056		3,534.1662	3,534.1662	0.0891		3,536.3934
Total	**1.3106**	**0.8186**	**11.5305**	**0.0355**	**3.6998**	**0.0265**	**3.7263**	**0.9812**	**0.0244**	**1.0056**		**3,534.1662**	**3,534.1662**	**0.0891**		**3,536.3934**

3.6 Architectural Coating - 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					
Archit. Coating	61.6157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**61.8073**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 Architectural Coating - 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	0.0000	0.0000	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	1.2323	0.7407	10.6481	0.0341	3.6998	0.0258	3.7256	0.9812	0.0237	1.0049		3,402.4489	3,402.4489	0.0803		3,404.4575
Total	**1.2323**	**0.7407**	**10.6481**	**0.0341**	**3.6998**	**0.0258**	**3.7256**	**0.9812**	**0.0237**	**1.0049**		**3,402.4489**	**3,402.4489**	**0.0803**		**3,404.4575**

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	61.6157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**61.8073**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 Architectural Coating - 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	0.0000	0.0000	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	1.2323	0.7407	10.6481	0.0341	3.6998	0.0258	3.7256	0.9812	0.0237	1.0049		3,402.4489	3,402.4489	0.0803		3,404.4575
Total	**1.2323**	**0.7407**	**10.6481**	**0.0341**	**3.6998**	**0.0258**	**3.7256**	**0.9812**	**0.0237**	**1.0049**		**3,402.4489**	**3,402.4489**	**0.0803**		**3,404.4575**

3.7 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.5787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6114**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.7 Paving - 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	0.0000	0.0000	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	0.0558	0.0336	0.4825	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		154.1895	154.1895	3.6400e-003		154.2806
Total	**0.0558**	**0.0336**	**0.4825**	**1.5500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0455**		**154.1895**	**154.1895**	**3.6400e-003**		**154.2806**

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.5787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6114**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.7 Paving - 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	0.0000	0.0000	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	0.0558	0.0336	0.4825	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		154.1895	154.1895	3.6400e-003		154.2806
Total	**0.0558**	**0.0336**	**0.4825**	**1.5500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0455**		**154.1895**	**154.1895**	**3.6400e-003**		**154.2806**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	25.5749	112.3810	289.0900	1.1416	96.8190	0.7945	97.6135	25.9023	0.7383	26.6406		116,496.8697	116,496.8697	5.1971		116,626.7959
Unmitigated	28.3010	126.4189	363.8820	1.4759	127.8206	1.0152	128.8358	34.1963	0.9436	35.1399		150,509.7108	150,509.7108	6.4819		150,671.7585

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	10,597.12	12,447.72	11415.28	37,514,763	28,415,932
Government (Civic Center)	929.45	293.48	438.60	2,373,140	1,797,559
City Park	0.03	2.55	2.85	2,271	1,720
General Office Building	744.72	188.09	80.28	1,837,142	1,391,562
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	2,806.71	3,715.27	1876.59	6,063,819	4,593,100
Library	90.30	1,501.24	822.05	1,000,782	758,052
Place of Worship	224.14	193.18	891.07	671,808	508,868
Total	15,392.46	18,341.52	15,526.72	49,463,726	37,466,794

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Government (Civic Center)	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
City Park	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
General Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Regional Shopping Center	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Library	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Place of Worship	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, 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	0.6020	5.1836	2.4753	0.0328		0.4159	0.4159		0.4159	0.4159		6,567.5010	6,567.5010	0.1259	0.1204	6,606.5283
NaturalGas Unmitigated	0.6020	5.1836	2.4753	0.0328		0.4159	0.4159		0.4159	0.4159		6,567.5010	6,567.5010	0.1259	0.1204	6,606.5283

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	49190.7	0.5305	4.5333	1.9291	0.0289		0.3665	0.3665		0.3665	0.3665		5,787.1391	5,787.1391	0.1109	0.1061	5,821.5292
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
General Office Building	2180.74	0.0235	0.2138	0.1796	1.2800e-003		0.0163	0.0163		0.0163	0.0163		256.5574	256.5574	4.9200e-003	4.7000e-003	258.0820
Government (Civic Center)	919.788	9.9200e-003	0.0902	0.0758	5.4000e-004		6.8500e-003	6.8500e-003		6.8500e-003	6.8500e-003		108.2103	108.2103	2.0700e-003	1.9800e-003	108.8534
Library	1599.25	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	1599.25	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Regional Shopping Center	334.057	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3008	39.3008	7.5000e-004	7.2000e-004	39.5343
Total		**0.6020**	**5.1836**	**2.4753**	**0.0328**		**0.4160**	**0.4160**		**0.4160**	**0.4160**		**6,567.5010**	**6,567.5010**	**0.1259**	**0.1204**	**6,606.5283**

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	49.1907	0.5305	4.5333	1.9291	0.0289		0.3665	0.3665		0.3665	0.3665		5,787.1391	5,787.1391	0.1109	0.1061	5,821.5292
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
General Office Building	2.18074	0.0235	0.2138	0.1796	1.2800e-003		0.0163	0.0163		0.0163	0.0163		256.5574	256.5574	4.9200e-003	4.7000e-003	258.0820
Government (Civic Center)	0.919788	9.9200e-003	0.0902	0.0758	5.4000e-004		6.8500e-003	6.8500e-003		6.8500e-003	6.8500e-003		108.2103	108.2103	2.0700e-003	1.9800e-003	108.8534
Library	1.59925	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	1.59925	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Regional Shopping Center	0.334057	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3008	39.3008	7.5000e-004	7.2000e-004	39.5343
Total		**0.6020**	**5.1836**	**2.4753**	**0.0328**		**0.4160**	**0.4160**		**0.4160**	**0.4160**		**6,567.5010**	**6,567.5010**	**0.1259**	**0.1204**	**6,606.5283**

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	52.4277	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905	0.0000	289.4360	289.4360	0.2778	0.0000	296.3811
Unmitigated	52.4277	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905	0.0000	289.4360	289.4360	0.2778	0.0000	296.3811

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	3.9944					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.6006					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	4.8327	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905		289.4360	289.4360	0.2778		296.3811
Total	**52.4277**	**1.8512**	**160.6711**	**8.4900e-003**		**0.8905**	**0.8905**		**0.8905**	**0.8905**	**0.0000**	**289.4360**	**289.4360**	**0.2778**	**0.0000**	**296.3811**

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	3.9944					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.6006					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	4.8327	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905		289.4360	289.4360	0.2778		296.3811
Total	**52.4277**	**1.8512**	**160.6711**	**8.4900e-003**		**0.8905**	**0.8905**		**0.8905**	**0.8905**	**0.0000**	**289.4360**	**289.4360**	**0.2778**	**0.0000**	**296.3811**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 1 and 2)

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	76.46	1000sqft	0.00	76,462.00	0
Other Asphalt Surfaces	7.73	Acre	7.73	336,718.80	0
City Park	1.30	Acre	1.30	56,628.00	0
Apartments Mid Rise	1,948.00	Dwelling Unit	15.35	1,948,321.00	5571
Regional Shopping Center	74.35	1000sqft	0.00	74,348.00	0
Library	32.25	1000sqft	0.74	32,250.00	0
Place of Worship	32.25	1000sqft	0.74	32,250.00	0
Government (Civic Center)	32.25	1000sqft	0.74	32,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Based on project plans dated August 2019; Library land use substitute for Museum and Gov Civic Center for Community Center

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Trips and VMT -

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates September 2019 plus ITE 10th Ed rates

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	550.00
tblConstructionPhase	NumDays	35.00	218.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,655.80	0.00
tblFireplaces	NumberNoFireplace	194.80	0.00
tblFireplaces	NumberWood	97.40	0.00

tblGrading	AcresOfGrading	225.00	112.50
tblLandUse	LandUseSquareFeet	76,460.00	76,462.00
tblLandUse	LandUseSquareFeet	1,948,000.00	1,948,321.00
tblLandUse	LandUseSquareFeet	74,350.00	74,348.00
tblLandUse	LotAcreage	1.76	0.00
tblLandUse	LotAcreage	51.26	15.35
tblLandUse	LotAcreage	1.71	0.00
tblVehicleTrips	ST_TR	0.00	9.10
tblVehicleTrips	ST_TR	22.75	1.96
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	0.00	13.60
tblVehicleTrips	SU_TR	16.74	2.19
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	27.92	28.82
tblVehicleTrips	WD_TR	1.89	0.02
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	56.24	2.80
tblVehicleTrips	WD_TR	9.11	6.95
tblWoodstoves	NumberCatalytic	97.40	0.00
tblWoodstoves	NumberNoncatalytic	97.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5488	50.2641	32.6945	0.0642	18.2675	2.1989	20.4664	9.9840	2.0230	12.0071	0.0000	6,219.9383	6,219.9383	1.9486	0.0000	6,268.6522
2021	10.4411	52.1438	80.4631	0.2763	20.4799	1.9870	21.6365	5.4768	1.8280	6.5627	0.0000	27,953.3749	27,953.3749	1.9484	0.0000	27,994.0961
2022	72.9917	50.6172	87.6679	0.3055	24.1797	1.1031	25.2828	6.4580	1.0404	7.4984	0.0000	30,853.4254	30,853.4254	1.6606	0.0000	30,894.9388
2023	72.1378	41.8300	81.8216	0.2956	24.1797	0.9503	25.1299	6.4580	0.8956	7.3536	0.0000	29,870.2990	29,870.2990	1.5342	0.0000	29,908.6532
Maximum	**72.9917**	**52.1438**	**87.6679**	**0.3055**	**24.1797**	**2.1989**	**25.2828**	**9.9840**	**2.0230**	**12.0071**	**0.0000**	**30,853.4254**	**30,853.4254**	**1.9486**	**0.0000**	**30,894.9388**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5488	50.2641	32.6945	0.0642	8.3310	2.1989	10.5300	4.5222	2.0230	6.5452	0.0000	6,219.9383	6,219.9383	1.9486	0.0000	6,268.6522
2021	10.4411	52.1438	80.4631	0.2763	20.4799	1.9870	21.6365	5.4768	1.8280	6.5627	0.0000	27,953.3749	27,953.3749	1.9484	0.0000	27,994.0961
2022	72.9917	50.6172	87.6679	0.3055	24.1797	1.1031	25.2828	6.4580	1.0404	7.4984	0.0000	30,853.4254	30,853.4254	1.6606	0.0000	30,894.9388
2023	72.1378	41.8300	81.8216	0.2956	24.1797	0.9503	25.1299	6.4580	0.8956	7.3536	0.0000	29,870.2990	29,870.2990	1.5342	0.0000	29,908.6532
Maximum	**72.9917**	**52.1438**	**87.6679**	**0.3055**	**24.1797**	**2.1989**	**25.2828**	**6.4580**	**2.0230**	**7.4984**	**0.0000**	**30,853.4254**	**30,853.4254**	**1.9486**	**0.0000**	**30,894.9388**

	ROG	NOx	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**	**11.41**	**0.00**	**10.74**	**19.25**	**0.00**	**16.34**	**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	52.4277	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905	0.0000	289.4360	289.4360	0.2778	0.0000	296.3811
Energy	0.6020	5.1836	2.4753	0.0328		0.4159	0.4159		0.4159	0.4159		6,567.5010	6,567.5010	0.1259	0.1204	6,606.5283
Mobile	26.7705	128.4975	340.0643	1.3970	127.8206	1.0199	128.8405	34.1963	0.9481	35.1443		142,589.4811	142,589.4811	6.4851		142,751.6090
Total	**79.8002**	**135.5322**	**503.2107**	**1.4383**	**127.8206**	**2.3263**	**130.1469**	**34.1963**	**2.2545**	**36.4508**	**0.0000**	**149,446.4181**	**149,446.4181**	**6.8888**	**0.1204**	**149,654.5185**

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	52.4277	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905	0.0000	289.4360	289.4360	0.2778	0.0000	296.3811
Energy	0.6020	5.1836	2.4753	0.0328		0.4159	0.4159		0.4159	0.4159		6,567.5010	6,567.5010	0.1259	0.1204	6,606.5283
Mobile	24.1221	113.6227	273.6349	1.0797	96.8190	0.7992	97.6182	25.9023	0.7428	26.6451		110,250.4005	110,250.4005	5.2370		110,381.3248
Total	**77.1519**	**120.6574**	**436.7813**	**1.1210**	**96.8190**	**2.1056**	**98.9246**	**25.9023**	**2.0492**	**27.9515**	**0.0000**	**117,107.3375**	**117,107.3375**	**5.6407**	**0.1204**	**117,284.2343**

	ROG	NOx	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	**3.32**	**10.98**	**13.20**	**22.06**	**24.25**	**9.49**	**23.99**	**24.25**	**9.11**	**23.32**	**0.00**	**21.64**	**21.64**	**18.12**	**0.00**	**21.63**

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	6/1/2020	8/21/2020	5	60	
2	Site Preparation	Site Preparation	8/22/2020	10/16/2020	5	40	
3	Grading	Grading	10/17/2020	2/19/2021	5	90	
4	Building Construction	Building Construction	2/20/2021	3/31/2023	5	550	
5	Architectural Coating	Architectural Coating	6/1/2022	3/31/2023	5	218	
6	Paving	Paving	4/1/2023	5/19/2023	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 7.73

Residential Indoor: 3,945,350; Residential Outdoor: 1,315,117; Non-Residential Indoor: 371,340; Non-Residential Outdoor: 123,780; Striped Parking Area: 20,203 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, 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	1,196.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,653.00	313.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	331.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.3133	0.0000	4.3133	0.6531	0.0000	0.6531			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**	**4.3133**	**1.6587**	**5.9720**	**0.6531**	**1.5419**	**2.1949**		**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	0.1558	5.4943	1.1620	0.0152	0.3483	0.0178	0.3661	0.0955	0.0170	0.1124		1,640.3101	1,640.3101	0.1170		1,643.2352
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	0.0740	0.0500	0.5521	1.6100e-003	0.1677	1.2700e-003	0.1689	0.0445	1.1700e-003	0.0456		160.5547	160.5547	4.6000e-003		160.6699
Total	**0.2298**	**5.5443**	**1.7141**	**0.0168**	**0.5160**	**0.0190**	**0.5350**	**0.1399**	**0.0182**	**0.1581**		**1,800.8648**	**1,800.8648**	**0.1216**		**1,803.9051**

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					1.9410	0.0000	1.9410	0.2939	0.0000	0.2939			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**	**1.9410**	**1.6587**	**3.5997**	**0.2939**	**1.5419**	**1.8357**	**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	0.1558	5.4943	1.1620	0.0152	0.3483	0.0178	0.3661	0.0955	0.0170	0.1124		1,640.3101	1,640.3101	0.1170		1,643.2352
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	0.0740	0.0500	0.5521	1.6100e-003	0.1677	1.2700e-003	0.1689	0.0445	1.1700e-003	0.0456		160.5547	160.5547	4.6000e-003		160.6699
Total	**0.2298**	**5.5443**	**1.7141**	**0.0168**	**0.5160**	**0.0190**	**0.5350**	**0.1399**	**0.0182**	**0.1581**		**1,800.8648**	**1,800.8648**	**0.1216**		**1,803.9051**

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	0.0888	0.0599	0.6626	1.9300e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		192.6657	192.6657	5.5300e-003		192.8038
Total	**0.0888**	**0.0599**	**0.6626**	**1.9300e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**192.6657**	**192.6657**	**5.5300e-003**		**192.8038**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			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**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**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	0.0888	0.0599	0.6626	1.9300e-003	0.2012	1.5300e-003	0.2027	0.0534	1.4100e-003	0.0548		192.6657	192.6657	5.5300e-003		192.8038
Total	**0.0888**	**0.0599**	**0.6626**	**1.9300e-003**	**0.2012**	**1.5300e-003**	**0.2027**	**0.0534**	**1.4100e-003**	**0.0548**		**192.6657**	**192.6657**	**5.5300e-003**		**192.8038**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3477	0.0000	7.3477	3.4534	0.0000	3.4534			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**7.3477**	**2.1739**	**9.5216**	**3.4534**	**2.0000**	**5.4534**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0987	0.0666	0.7362	2.1500e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5600e-003	0.0609		214.0730	214.0730	6.1400e-003		214.2265
Total	**0.0987**	**0.0666**	**0.7362**	**2.1500e-003**	**0.2236**	**1.7000e-003**	**0.2253**	**0.0593**	**1.5600e-003**	**0.0609**		**214.0730**	**214.0730**	**6.1400e-003**		**214.2265**

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					3.3065	0.0000	3.3065	1.5540	0.0000	1.5540			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**3.3065**	**2.1739**	**5.4804**	**1.5540**	**2.0000**	**3.5540**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0987	0.0666	0.7362	2.1500e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5600e-003	0.0609		214.0730	214.0730	6.1400e-003		214.2265
Total	**0.0987**	**0.0666**	**0.7362**	**2.1500e-003**	**0.2236**	**1.7000e-003**	**0.2253**	**0.0593**	**1.5600e-003**	**0.0609**		**214.0730**	**214.0730**	**6.1400e-003**		**214.2265**

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					7.3477	0.0000	7.3477	3.4534	0.0000	3.4534			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**	**7.3477**	**1.9853**	**9.3331**	**3.4534**	**1.8265**	**5.2799**		**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	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0922**	**0.0599**	**0.6771**	**2.0800e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**207.1336**	**207.1336**	**5.5500e-003**		**207.2724**

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					3.3065	0.0000	3.3065	1.5540	0.0000	1.5540			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**	**3.3065**	**1.9853**	**5.2918**	**1.5540**	**1.8265**	**3.3805**	**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	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	**0.0922**	**0.0599**	**0.6771**	**2.0800e-003**	**0.2236**	**1.6500e-003**	**0.2252**	**0.0593**	**1.5200e-003**	**0.0608**		**207.1336**	**207.1336**	**5.5500e-003**		**207.2724**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.9168	29.7579	7.9272	0.0776	2.0032	0.0620	2.0653	0.5767	0.0593	0.6360		8,280.4210	8,280.4210	0.5540		8,294.2716
Worker	7.6234	4.9538	55.9607	0.1718	18.4766	0.1360	18.6126	4.9001	0.1253	5.0254		17,119.5899	17,119.5899	0.4588		17,131.0602
Total	**8.5402**	**34.7117**	**63.8879**	**0.2494**	**20.4799**	**0.1980**	**20.6779**	**5.4768**	**0.1846**	**5.6614**		**25,400.0110**	**25,400.0110**	**1.0128**		**25,425.3318**

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.9168	29.7579	7.9272	0.0776	2.0032	0.0620	2.0653	0.5767	0.0593	0.6360		8,280.4210	8,280.4210	0.5540		8,294.2716
Worker	7.6234	4.9538	55.9607	0.1718	18.4766	0.1360	18.6126	4.9001	0.1253	5.0254		17,119.5899	17,119.5899	0.4588		17,131.0602
Total	**8.5402**	**34.7117**	**63.8879**	**0.2494**	**20.4799**	**0.1980**	**20.6779**	**5.4768**	**0.1846**	**5.6614**		**25,400.0110**	**25,400.0110**	**1.0128**		**25,425.3318**

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	0.8601	28.2237	7.4961	0.0768	2.0032	0.0538	2.0570	0.5767	0.0515	0.6282		8,206.6792	8,206.6792	0.5330		8,220.0036
Worker	7.1695	4.4736	51.6519	0.1656	18.4766	0.1321	18.6088	4.9001	0.1217	5.0218		16,505.8087	16,505.8087	0.4143		16,516.1668
Total	**8.0296**	**32.6973**	**59.1480**	**0.2424**	**20.4799**	**0.1859**	**20.6658**	**5.4768**	**0.1731**	**5.6499**		**24,712.4879**	**24,712.4879**	**0.9473**		**24,736.1705**

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	0.8601	28.2237	7.4961	0.0768	2.0032	0.0538	2.0570	0.5767	0.0515	0.6282		8,206.6792	8,206.6792	0.5330		8,220.0036
Worker	7.1695	4.4736	51.6519	0.1656	18.4766	0.1321	18.6088	4.9001	0.1217	5.0218		16,505.8087	16,505.8087	0.4143		16,516.1668
Total	**8.0296**	**32.6973**	**59.1480**	**0.2424**	**20.4799**	**0.1859**	**20.6658**	**5.4768**	**0.1731**	**5.6499**		**24,712.4879**	**24,712.4879**	**0.9473**		**24,736.1705**

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	0.6419	21.2855	6.6284	0.0745	2.0032	0.0253	2.0285	0.5767	0.0242	0.6009		7,961.5199	7,961.5199	0.4614		7,973.0559
Worker	6.7618	4.0464	47.6055	0.1594	18.4766	0.1287	18.6053	4.9001	0.1185	5.0186		15,890.2300	15,890.2300	0.3733		15,899.5623
Total	**7.4037**	**25.3318**	**54.2339**	**0.2338**	**20.4799**	**0.1539**	**20.6338**	**5.4768**	**0.1426**	**5.6194**		**23,851.7499**	**23,851.7499**	**0.8347**		**23,872.6182**

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	0.6419	21.2855	6.6284	0.0745	2.0032	0.0253	2.0285	0.5767	0.0242	0.6009		7,961.5199	7,961.5199	0.4614		7,973.0559
Worker	6.7618	4.0464	47.6055	0.1594	18.4766	0.1287	18.6053	4.9001	0.1185	5.0186		15,890.2300	15,890.2300	0.3733		15,899.5623
Total	**7.4037**	**25.3318**	**54.2339**	**0.2338**	**20.4799**	**0.1539**	**20.6338**	**5.4768**	**0.1426**	**5.6194**		**23,851.7499**	**23,851.7499**	**0.8347**		**23,872.6182**

3.6 Architectural Coating - 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					
Archit. Coating	61.6157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**61.8202**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	1.4356	0.8958	10.3429	0.0332	3.6998	0.0265	3.7263	0.9812	0.0244	1.0056		3,305.1559	3,305.1559	0.0830		3,307.2300
Total	**1.4356**	**0.8958**	**10.3429**	**0.0332**	**3.6998**	**0.0265**	**3.7263**	**0.9812**	**0.0244**	**1.0056**		**3,305.1559**	**3,305.1559**	**0.0830**		**3,307.2300**

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	61.6157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**61.8202**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	1.4356	0.8958	10.3429	0.0332	3.6998	0.0265	3.7263	0.9812	0.0244	1.0056		3,305.1559	3,305.1559	0.0830		3,307.2300
Total	**1.4356**	**0.8958**	**10.3429**	**0.0332**	**3.6998**	**0.0265**	**3.7263**	**0.9812**	**0.0244**	**1.0056**		**3,305.1559**	**3,305.1559**	**0.0830**		**3,307.2300**

3.6 Architectural Coating - 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					
Archit. Coating	61.6157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**61.8073**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 Architectural Coating - 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	0.0000	0.0000	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	1.3540	0.8103	9.5326	0.0319	3.6998	0.0258	3.7256	0.9812	0.0237	1.0049		3,181.8912	3,181.8912	0.0748		3,183.7599
Total	**1.3540**	**0.8103**	**9.5326**	**0.0319**	**3.6998**	**0.0258**	**3.7256**	**0.9812**	**0.0237**	**1.0049**		**3,181.8912**	**3,181.8912**	**0.0748**		**3,183.7599**

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	61.6157					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**61.8073**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 Architectural Coating - 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	0.0000	0.0000	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	1.3540	0.8103	9.5326	0.0319	3.6998	0.0258	3.7256	0.9812	0.0237	1.0049		3,181.8912	3,181.8912	0.0748		3,183.7599
Total	**1.3540**	**0.8103**	**9.5326**	**0.0319**	**3.6998**	**0.0258**	**3.7256**	**0.9812**	**0.0237**	**1.0049**		**3,181.8912**	**3,181.8912**	**0.0748**		**3,183.7599**

3.7 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.5787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6114**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.7 Paving - 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	0.0000	0.0000	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	0.0614	0.0367	0.4320	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		144.1945	144.1945	3.3900e-003		144.2792
Total	**0.0614**	**0.0367**	**0.4320**	**1.4500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0455**		**144.1945**	**144.1945**	**3.3900e-003**		**144.2792**

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.5787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6114**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

3.7 Paving - 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	0.0000	0.0000	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	0.0614	0.0367	0.4320	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		144.1945	144.1945	3.3900e-003		144.2792
Total	**0.0614**	**0.0367**	**0.4320**	**1.4500e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0455**		**144.1945**	**144.1945**	**3.3900e-003**		**144.2792**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	24.1221	113.6227	273.6349	1.0797	96.8190	0.7992	97.6182	25.9023	0.7428	26.6451		110,250.4005	110,250.4005	5.2370		110,381.3248
Unmitigated	26.7705	128.4975	340.0643	1.3970	127.8206	1.0199	128.8405	34.1963	0.9481	35.1443		142,589.4811	142,589.4811	6.4851		142,751.6090

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	10,597.12	12,447.72	11415.28	37,514,763	28,415,932
Government (Civic Center)	929.45	293.48	438.60	2,373,140	1,797,559
City Park	0.03	2.55	2.85	2,271	1,720
General Office Building	744.72	188.09	80.28	1,837,142	1,391,562
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	2,806.71	3,715.27	1876.59	6,063,819	4,593,100
Library	90.30	1,501.24	822.05	1,000,782	758,052
Place of Worship	224.14	193.18	891.07	671,808	508,868
Total	15,392.46	18,341.52	15,526.72	49,463,726	37,466,794

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Government (Civic Center)	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
City Park	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
General Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Regional Shopping Center	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Library	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Place of Worship	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, 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	0.6020	5.1836	2.4753	0.0328		0.4159	0.4159		0.4159	0.4159		6,567.5010	6,567.5010	0.1259	0.1204	6,606.5283
NaturalGas Unmitigated	0.6020	5.1836	2.4753	0.0328		0.4159	0.4159		0.4159	0.4159		6,567.5010	6,567.5010	0.1259	0.1204	6,606.5283

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	49190.7	0.5305	4.5333	1.9291	0.0289		0.3665	0.3665		0.3665	0.3665		5,787.1391	5,787.1391	0.1109	0.1061	5,821.5292
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
General Office Building	2180.74	0.0235	0.2138	0.1796	1.2800e-003		0.0163	0.0163		0.0163	0.0163		256.5574	256.5574	4.9200e-003	4.7000e-003	258.0820
Government (Civic Center)	919.788	9.9200e-003	0.0902	0.0758	5.4000e-004		6.8500e-003	6.8500e-003		6.8500e-003	6.8500e-003		108.2103	108.2103	2.0700e-003	1.9800e-003	108.8534
Library	1599.25	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	1599.25	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Regional Shopping Center	334.057	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3008	39.3008	7.5000e-004	7.2000e-004	39.5343
Total		**0.6020**	**5.1836**	**2.4753**	**0.0328**		**0.4160**	**0.4160**		**0.4160**	**0.4160**		**6,567.5010**	**6,567.5010**	**0.1259**	**0.1204**	**6,606.5283**

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	49.1907	0.5305	4.5333	1.9291	0.0289		0.3665	0.3665		0.3665	0.3665		5,787.1391	5,787.1391	0.1109	0.1061	5,821.5292
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
General Office Building	2.18074	0.0235	0.2138	0.1796	1.2800e-003		0.0163	0.0163		0.0163	0.0163		256.5574	256.5574	4.9200e-003	4.7000e-003	258.0820
Government (Civic Center)	0.919788	9.9200e-003	0.0902	0.0758	5.4000e-004		6.8500e-003	6.8500e-003		6.8500e-003	6.8500e-003		108.2103	108.2103	2.0700e-003	1.9800e-003	108.8534
Library	1.59925	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	1.59925	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Regional Shopping Center	0.334057	3.6000e-003	0.0328	0.0275	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3008	39.3008	7.5000e-004	7.2000e-004	39.5343
Total		**0.6020**	**5.1836**	**2.4753**	**0.0328**		**0.4160**	**0.4160**		**0.4160**	**0.4160**		**6,567.5010**	**6,567.5010**	**0.1259**	**0.1204**	**6,606.5283**

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	52.4277	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905	0.0000	289.4360	289.4360	0.2778	0.0000	296.3811
Unmitigated	52.4277	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905	0.0000	289.4360	289.4360	0.2778	0.0000	296.3811

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	3.9944					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.6006					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	4.8327	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905		289.4360	289.4360	0.2778		296.3811
Total	**52.4277**	**1.8512**	**160.6711**	**8.4900e-003**		**0.8905**	**0.8905**		**0.8905**	**0.8905**	**0.0000**	**289.4360**	**289.4360**	**0.2778**	**0.0000**	**296.3811**

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	3.9944					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.6006					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	4.8327	1.8512	160.6711	8.4900e-003		0.8905	0.8905		0.8905	0.8905		289.4360	289.4360	0.2778		296.3811
Total	**52.4277**	**1.8512**	**160.6711**	**8.4900e-003**		**0.8905**	**0.8905**		**0.8905**	**0.8905**	**0.0000**	**289.4360**	**289.4360**	**0.2778**	**0.0000**	**296.3811**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 1 and 2)

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	76.46	1000sqft	0.00	76,462.00	0
Other Asphalt Surfaces	7.73	Acre	7.73	336,718.80	0
City Park	1.30	Acre	1.30	56,628.00	0
Apartments Mid Rise	1,948.00	Dwelling Unit	15.35	1,948,321.00	5571
Regional Shopping Center	74.35	1000sqft	0.00	74,348.00	0
Library	32.25	1000sqft	0.74	32,250.00	0
Place of Worship	32.25	1000sqft	0.74	32,250.00	0
Government (Civic Center)	32.25	1000sqft	0.74	32,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Based on project plans dated August 2019; Library land use substitute for Museum and Gov Civic Center for Community Center

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Trips and VMT -

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates September 2019 plus ITE 10th Ed rates

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	550.00
tblConstructionPhase	NumDays	35.00	218.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,655.80	0.00
tblFireplaces	NumberNoFireplace	194.80	0.00
tblFireplaces	NumberWood	97.40	0.00

tblGrading	AcresOfGrading	225.00	112.50
tblLandUse	LandUseSquareFeet	76,460.00	76,462.00
tblLandUse	LandUseSquareFeet	1,948,000.00	1,948,321.00
tblLandUse	LandUseSquareFeet	74,350.00	74,348.00
tblLandUse	LotAcreage	1.76	0.00
tblLandUse	LotAcreage	51.26	15.35
tblLandUse	LotAcreage	1.71	0.00
tblVehicleTrips	ST_TR	0.00	9.10
tblVehicleTrips	ST_TR	22.75	1.96
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	0.00	13.60
tblVehicleTrips	SU_TR	16.74	2.19
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	27.92	28.82
tblVehicleTrips	WD_TR	1.89	0.02
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	56.24	2.80
tblVehicleTrips	WD_TR	9.11	6.95
tblWoodstoves	NumberCatalytic	97.40	0.00
tblWoodstoves	NumberNoncatalytic	97.40	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3117	3.3721	2.0303	4.2100e-003	0.7381	0.1531	0.8911	0.3208	0.1413	0.4621	0.0000	374.4257	374.4257	0.1015	0.0000	376.9629
2021	1.1661	6.7774	9.7583	0.0327	2.4342	0.1658	2.6000	0.6730	0.1549	0.8279	0.0000	2,998.9935	2,998.9935	0.1967	0.0000	3,003.9114
2022	5.9999	6.5394	10.9179	0.0384	2.8919	0.1375	3.0294	0.7739	0.1295	0.9034	0.0000	3,518.7621	3,518.7621	0.1895	0.0000	3,523.4997
2023	2.3469	1.5534	2.9690	0.0102	0.7744	0.0398	0.8142	0.2071	0.0373	0.2445	0.0000	931.7209	931.7209	0.0564	0.0000	933.1308
Maximum	**5.9999**	**6.7774**	**10.9179**	**0.0384**	**2.8919**	**0.1658**	**3.0294**	**0.7739**	**0.1549**	**0.9034**	**0.0000**	**3,518.7621**	**3,518.7621**	**0.1967**	**0.0000**	**3,523.4997**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3117	3.3721	2.0303	4.2100e-003	0.3459	0.1531	0.4990	0.1481	0.1413	0.2894	0.0000	374.4254	374.4254	0.1015	0.0000	376.9625
2021	1.1661	6.7774	9.7582	0.0327	2.3418	0.1658	2.5075	0.6367	0.1549	0.7916	0.0000	2,998.9930	2,998.9930	0.1967	0.0000	3,003.9110
2022	5.9999	6.5394	10.9179	0.0384	2.8919	0.1375	3.0294	0.7739	0.1295	0.9034	0.0000	3,518.7617	3,518.7617	0.1895	0.0000	3,523.4993
2023	2.3469	1.5534	2.9690	0.0102	0.7744	0.0398	0.8142	0.2071	0.0373	0.2445	0.0000	931.7207	931.7207	0.0564	0.0000	933.1306
Maximum	**5.9999**	**6.7774**	**10.9179**	**0.0384**	**2.8919**	**0.1658**	**3.0294**	**0.7739**	**0.1549**	**0.9034**	**0.0000**	**3,518.7617**	**3,518.7617**	**0.1967**	**0.0000**	**3,523.4993**

	ROG	NOx	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**	**7.09**	**0.00**	**6.61**	**10.58**	**0.00**	**8.57**	**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	**6-1-2020**	**8-31-2020**	1.4025	1.4025
2	**9-1-2020**	**11-30-2020**	1.6471	1.6471
3	**12-1-2020**	**2-28-2021**	1.7142	1.7142
4	**3-1-2021**	**5-31-2021**	2.0340	2.0340
5	**6-1-2021**	**8-31-2021**	2.0227	2.0227
6	**9-1-2021**	**11-30-2021**	2.0230	2.0230
7	**12-1-2021**	**2-28-2022**	1.9161	1.9161
8	**3-1-2022**	**5-31-2022**	1.8868	1.8868

9	**6-1-2022**	**8-31-2022**	4.0239	4.0239
10	**9-1-2022**	**11-30-2022**	4.0050	4.0050
11	**12-1-2022**	**2-28-2023**	3.7700	3.7700
12	**3-1-2023**	**5-31-2023**	1.4699	1.4699
		Highest	4.0239	4.0239

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	9.2902	0.2314	20.0839	1.0600e-003		0.1113	0.1113		0.1113	0.1113	0.0000	32.8215	32.8215	0.0315	0.0000	33.6091
Energy	0.1099	0.9460	0.4517	5.9900e-003		0.0759	0.0759		0.0759	0.0759	0.0000	4,543.1082	4,543.1082	0.1635	0.0495	4,561.9328
Mobile	3.8858	19.3914	51.6069	0.2121	18.7937	0.1519	18.9456	5.0356	0.1412	5.1768	0.0000	19,636.7002	19,636.7002	0.8722	0.0000	19,658.5058
Waste						0.0000	0.0000		0.0000	0.0000	292.8612	0.0000	292.8612	17.3076	0.0000	725.5511
Water						0.0000	0.0000		0.0000	0.0000	48.9973	995.9761	1,044.9734	5.0736	0.1273	1,209.7594
Total	**13.2859**	**20.5687**	**72.1425**	**0.2192**	**18.7937**	**0.3391**	**19.1328**	**5.0356**	**0.3284**	**5.3640**	**341.8584**	**25,208.6060**	**25,550.4644**	**23.4484**	**0.1768**	**26,189.3581**

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	9.2902	0.2314	20.0839	1.0600e-003		0.1113	0.1113		0.1113	0.1113	0.0000	32.8215	32.8215	0.0315	0.0000	33.6091
Energy	0.1099	0.9460	0.4517	5.9900e-003		0.0759	0.0759		0.0759	0.0759	0.0000	4,543.1082	4,543.1082	0.1635	0.0495	4,561.9328
Mobile	3.4858	17.1183	41.3606	0.1640	14.2355	0.1189	14.3544	3.8143	0.1105	3.9247	0.0000	15,192.6913	15,192.6913	0.7017	0.0000	15,210.2329
Waste						0.0000	0.0000		0.0000	0.0000	292.8612	0.0000	292.8612	17.3076	0.0000	725.5511
Water						0.0000	0.0000		0.0000	0.0000	39.1978	867.8274	907.0252	4.0618	0.1025	1,039.1082
Total	**12.8859**	**18.2957**	**61.8962**	**0.1711**	**14.2355**	**0.3061**	**14.5416**	**3.8143**	**0.2977**	**4.1120**	**332.0590**	**20,636.4484**	**20,968.5074**	**22.2661**	**0.1519**	**21,570.4341**

	ROG	NOx	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	**3.01**	**11.05**	**14.20**	**21.94**	**24.25**	**9.73**	**24.00**	**24.25**	**9.35**	**23.34**	**2.87**	**18.14**	**17.93**	**5.04**	**14.06**	**17.64**

3.0 Construction Detail

Construction Phase

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	8/21/2020	5	60	
2	Site Preparation	Site Preparation	8/22/2020	10/16/2020	5	40	
3	Grading	Grading	10/17/2020	2/19/2021	5	90	
4	Building Construction	Building Construction	2/20/2021	3/31/2023	5	550	
5	Architectural Coating	Architectural Coating	6/1/2022	3/31/2023	5	218	
6	Paving	Paving	4/1/2023	5/19/2023	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 7.73

Residential Indoor: 3,945,350; Residential Outdoor: 1,315,117; Non-Residential Indoor: 371,340; Non-Residential Outdoor: 123,780; Striped Parking Area: 20,203 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, 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	1,196.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,653.00	313.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	331.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					0.1294	0.0000	0.1294	0.0196	0.0000	0.0196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0994	0.9960	0.6526	1.1600e-003		0.0498	0.0498		0.0463	0.0463	0.0000	101.9958	101.9958	0.0288	0.0000	102.7156
Total	**0.0994**	**0.9960**	**0.6526**	**1.1600e-003**	**0.1294**	**0.0498**	**0.1792**	**0.0196**	**0.0463**	**0.0659**	**0.0000**	**101.9958**	**101.9958**	**0.0288**	**0.0000**	**102.7156**

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	4.6000e-003	0.1678	0.0335	4.6000e-004	0.0103	5.3000e-004	0.0108	2.8200e-003	5.1000e-004	3.3300e-003	0.0000	45.1275	45.1275	3.1100e-003	0.0000	45.2052
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	2.0100e-003	1.5400e-003	0.0170	5.0000e-005	4.9400e-003	4.0000e-005	4.9800e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.4445	4.4445	1.3000e-004	0.0000	4.4477
Total	**6.6100e-003**	**0.1694**	**0.0505**	**5.1000e-004**	**0.0152**	**5.7000e-004**	**0.0158**	**4.1300e-003**	**5.5000e-004**	**4.6800e-003**	**0.0000**	**49.5720**	**49.5720**	**3.2400e-003**	**0.0000**	**49.6529**

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					0.0582	0.0000	0.0582	8.8200e-003	0.0000	8.8200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0994	0.9960	0.6526	1.1600e-003		0.0498	0.0498		0.0463	0.0463	0.0000	101.9957	101.9957	0.0288	0.0000	102.7155
Total	**0.0994**	**0.9960**	**0.6526**	**1.1600e-003**	**0.0582**	**0.0498**	**0.1080**	**8.8200e-003**	**0.0463**	**0.0551**	**0.0000**	**101.9957**	**101.9957**	**0.0288**	**0.0000**	**102.7155**

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	4.6000e-003	0.1678	0.0335	4.6000e-004	0.0103	5.3000e-004	0.0108	2.8200e-003	5.1000e-004	3.3300e-003	0.0000	45.1275	45.1275	3.1100e-003	0.0000	45.2052
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	2.0100e-003	1.5400e-003	0.0170	5.0000e-005	4.9400e-003	4.0000e-005	4.9800e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.4445	4.4445	1.3000e-004	0.0000	4.4477
Total	**6.6100e-003**	**0.1694**	**0.0505**	**5.1000e-004**	**0.0152**	**5.7000e-004**	**0.0158**	**4.1300e-003**	**5.5000e-004**	**4.6800e-003**	**0.0000**	**49.5720**	**49.5720**	**3.2400e-003**	**0.0000**	**49.6529**

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					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0815	0.8484	0.4303	7.6000e-004		0.0440	0.0440		0.0404	0.0404	0.0000	66.8614	66.8614	0.0216	0.0000	67.4020
Total	**0.0815**	**0.8484**	**0.4303**	**7.6000e-004**	**0.3613**	**0.0440**	**0.4053**	**0.1986**	**0.0404**	**0.2390**	**0.0000**	**66.8614**	**66.8614**	**0.0216**	**0.0000**	**67.4020**

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	1.6100e-003	1.2300e-003	0.0136	4.0000e-005	3.9500e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.5556	3.5556	1.0000e-004	0.0000	3.5582
Total	**1.6100e-003**	**1.2300e-003**	**0.0136**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9800e-003**	**1.0500e-003**	**3.0000e-005**	**1.0800e-003**	**0.0000**	**3.5556**	**3.5556**	**1.0000e-004**	**0.0000**	**3.5582**

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					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0815	0.8484	0.4303	7.6000e-004		0.0440	0.0440		0.0404	0.0404	0.0000	66.8613	66.8613	0.0216	0.0000	67.4019
Total	**0.0815**	**0.8484**	**0.4303**	**7.6000e-004**	**0.1626**	**0.0440**	**0.2066**	**0.0894**	**0.0404**	**0.1298**	**0.0000**	**66.8613**	**66.8613**	**0.0216**	**0.0000**	**67.4019**

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	1.6100e-003	1.2300e-003	0.0136	4.0000e-005	3.9500e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.5556	3.5556	1.0000e-004	0.0000	3.5582
Total	**1.6100e-003**	**1.2300e-003**	**0.0136**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9800e-003**	**1.0500e-003**	**3.0000e-005**	**1.0800e-003**	**0.0000**	**3.5556**	**3.5556**	**1.0000e-004**	**0.0000**	**3.5582**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2223	0.0000	0.2223	0.0958	0.0000	0.0958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1202	1.3553	0.8629	1.6700e-003		0.0587	0.0587		0.0540	0.0540	0.0000	147.1076	147.1076	0.0476	0.0000	148.2970
Total	**0.1202**	**1.3553**	**0.8629**	**1.6700e-003**	**0.2223**	**0.0587**	**0.2810**	**0.0958**	**0.0540**	**0.1498**	**0.0000**	**147.1076**	**147.1076**	**0.0476**	**0.0000**	**148.2970**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.4100e-003	1.8500e-003	0.0205	6.0000e-005	5.9200e-003	5.0000e-005	5.9700e-003	1.5700e-003	4.0000e-005	1.6200e-003	0.0000	5.3334	5.3334	1.5000e-004	0.0000	5.3372
Total	**2.4100e-003**	**1.8500e-003**	**0.0205**	**6.0000e-005**	**5.9200e-003**	**5.0000e-005**	**5.9700e-003**	**1.5700e-003**	**4.0000e-005**	**1.6200e-003**	**0.0000**	**5.3334**	**5.3334**	**1.5000e-004**	**0.0000**	**5.3372**

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					0.1000	0.0000	0.1000	0.0431	0.0000	0.0431	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1202	1.3553	0.8629	1.6700e-003		0.0587	0.0587		0.0540	0.0540	0.0000	147.1074	147.1074	0.0476	0.0000	148.2969
Total	**0.1202**	**1.3553**	**0.8629**	**1.6700e-003**	**0.1000**	**0.0587**	**0.1587**	**0.0431**	**0.0540**	**0.0971**	**0.0000**	**147.1074**	**147.1074**	**0.0476**	**0.0000**	**148.2969**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.4100e-003	1.8500e-003	0.0205	6.0000e-005	5.9200e-003	5.0000e-005	5.9700e-003	1.5700e-003	4.0000e-005	1.6200e-003	0.0000	5.3334	5.3334	1.5000e-004	0.0000	5.3372
Total	**2.4100e-003**	**1.8500e-003**	**0.0205**	**6.0000e-005**	**5.9200e-003**	**5.0000e-005**	**5.9700e-003**	**1.5700e-003**	**4.0000e-005**	**1.6200e-003**	**0.0000**	**5.3334**	**5.3334**	**1.5000e-004**	**0.0000**	**5.3372**

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					0.1681	0.0000	0.1681	0.0660	0.0000	0.0660	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0754	0.8352	0.5558	1.1200e-003		0.0357	0.0357		0.0329	0.0329	0.0000	98.0910	98.0910	0.0317	0.0000	98.8841
Total	**0.0754**	**0.8352**	**0.5558**	**1.1200e-003**	**0.1681**	**0.0357**	**0.2038**	**0.0660**	**0.0329**	**0.0989**	**0.0000**	**98.0910**	**98.0910**	**0.0317**	**0.0000**	**98.8841**

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	1.5000e-003	1.1100e-003	0.0126	4.0000e-005	3.9500e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4404	3.4404	9.0000e-005	0.0000	3.4427
Total	**1.5000e-003**	**1.1100e-003**	**0.0126**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9800e-003**	**1.0500e-003**	**3.0000e-005**	**1.0800e-003**	**0.0000**	**3.4404**	**3.4404**	**9.0000e-005**	**0.0000**	**3.4427**

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					0.0756	0.0000	0.0756	0.0297	0.0000	0.0297	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0754	0.8352	0.5558	1.1200e-003		0.0357	0.0357		0.0329	0.0329	0.0000	98.0909	98.0909	0.0317	0.0000	98.8840
Total	**0.0754**	**0.8352**	**0.5558**	**1.1200e-003**	**0.0756**	**0.0357**	**0.1114**	**0.0297**	**0.0329**	**0.0626**	**0.0000**	**98.0909**	**98.0909**	**0.0317**	**0.0000**	**98.8840**

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	1.5000e-003	1.1100e-003	0.0126	4.0000e-005	3.9500e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4404	3.4404	9.0000e-005	0.0000	3.4427
Total	**1.5000e-003**	**1.1100e-003**	**0.0126**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9800e-003**	**1.0500e-003**	**3.0000e-005**	**1.0800e-003**	**0.0000**	**3.4404**	**3.4404**	**9.0000e-005**	**0.0000**	**3.4427**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2139	1.9611	1.8647	3.0300e-003		0.1078	0.1078		0.1014	0.1014	0.0000	260.5919	260.5919	0.0629	0.0000	262.1637
Total	**0.2139**	**1.9611**	**1.8647**	**3.0300e-003**		**0.1078**	**0.1078**		**0.1014**	**0.1014**	**0.0000**	**260.5919**	**260.5919**	**0.0629**	**0.0000**	**262.1637**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1002	3.4071	0.8447	8.8800e-003	0.2220	6.8500e-003	0.2288	0.0640	6.5600e-003	0.0706	0.0000	859.7009	859.7009	0.0544	0.0000	861.0601
Worker	0.7751	0.5729	6.4804	0.0197	2.0403	0.0153	2.0556	0.5418	0.0141	0.5559	0.0000	1,777.1693	1,777.1693	0.0477	0.0000	1,778.3608
Total	**0.8753**	**3.9800**	**7.3252**	**0.0285**	**2.2622**	**0.0222**	**2.2844**	**0.6059**	**0.0207**	**0.6265**	**0.0000**	**2,636.8702**	**2,636.8702**	**0.1020**	**0.0000**	**2,639.4210**

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	0.2139	1.9611	1.8647	3.0300e-003		0.1078	0.1078		0.1014	0.1014	0.0000	260.5916	260.5916	0.0629	0.0000	262.1634
Total	**0.2139**	**1.9611**	**1.8647**	**3.0300e-003**		**0.1078**	**0.1078**		**0.1014**	**0.1014**	**0.0000**	**260.5916**	**260.5916**	**0.0629**	**0.0000**	**262.1634**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1002	3.4071	0.8447	8.8800e-003	0.2220	6.8500e-003	0.2288	0.0640	6.5600e-003	0.0706	0.0000	859.7009	859.7009	0.0544	0.0000	861.0601
Worker	0.7751	0.5729	6.4804	0.0197	2.0403	0.0153	2.0556	0.5418	0.0141	0.5559	0.0000	1,777.1693	1,777.1693	0.0477	0.0000	1,778.3608
Total	**0.8753**	**3.9800**	**7.3252**	**0.0285**	**2.2622**	**0.0222**	**2.2844**	**0.6059**	**0.0207**	**0.6265**	**0.0000**	**2,636.8702**	**2,636.8702**	**0.1020**	**0.0000**	**2,639.4210**

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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2428**	**301.2428**	**0.0722**	**0.0000**	**303.0471**

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	0.1086	3.7332	0.9226	0.0102	0.2565	6.8600e-003	0.2633	0.0740	6.5700e-003	0.0806	0.0000	984.6854	984.6854	0.0605	0.0000	986.1969
Worker	0.8411	0.5979	6.9146	0.0219	2.3576	0.0172	2.3748	0.6261	0.0158	0.6420	0.0000	1,979.9899	1,979.9899	0.0497	0.0000	1,981.2335
Total	**0.9497**	**4.3311**	**7.8372**	**0.0321**	**2.6141**	**0.0240**	**2.6381**	**0.7001**	**0.0224**	**0.7225**	**0.0000**	**2,964.6754**	**2,964.6754**	**0.1102**	**0.0000**	**2,967.4304**

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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2425**	**301.2425**	**0.0722**	**0.0000**	**303.0467**

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	0.1086	3.7332	0.9226	0.0102	0.2565	6.8600e-003	0.2633	0.0740	6.5700e-003	0.0806	0.0000	984.6854	984.6854	0.0605	0.0000	986.1969
Worker	0.8411	0.5979	6.9146	0.0219	2.3576	0.0172	2.3748	0.6261	0.0158	0.6420	0.0000	1,979.9899	1,979.9899	0.0497	0.0000	1,981.2335
Total	**0.9497**	**4.3311**	**7.8372**	**0.0321**	**2.6141**	**0.0240**	**2.6381**	**0.7001**	**0.0224**	**0.7225**	**0.0000**	**2,964.6754**	**2,964.6754**	**0.1102**	**0.0000**	**2,967.4304**

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	0.0511	0.4675	0.5279	8.8000e-004		0.0227	0.0227		0.0214	0.0214	0.0000	75.3365	75.3365	0.0179	0.0000	75.7846
Total	**0.0511**	**0.4675**	**0.5279**	**8.8000e-004**		**0.0227**	**0.0227**		**0.0214**	**0.0214**	**0.0000**	**75.3365**	**75.3365**	**0.0179**	**0.0000**	**75.7846**

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	0.0203	0.7023	0.2062	2.4600e-003	0.0641	8.0000e-004	0.0649	0.0185	7.6000e-004	0.0193	0.0000	238.7511	238.7511	0.0131	0.0000	239.0796
Worker	0.1980	0.1352	1.5939	5.2700e-003	0.5894	4.1800e-003	0.5936	0.1565	3.8500e-003	0.1604	0.0000	476.5369	476.5369	0.0112	0.0000	476.8171
Total	**0.2182**	**0.8375**	**1.8001**	**7.7300e-003**	**0.6535**	**4.9800e-003**	**0.6585**	**0.1750**	**4.6100e-003**	**0.1796**	**0.0000**	**715.2881**	**715.2881**	**0.0244**	**0.0000**	**715.8967**

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	0.0511	0.4675	0.5279	8.8000e-004		0.0227	0.0227		0.0214	0.0214	0.0000	75.3365	75.3365	0.0179	0.0000	75.7845
Total	**0.0511**	**0.4675**	**0.5279**	**8.8000e-004**		**0.0227**	**0.0227**		**0.0214**	**0.0214**	**0.0000**	**75.3365**	**75.3365**	**0.0179**	**0.0000**	**75.7845**

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	0.0203	0.7023	0.2062	2.4600e-003	0.0641	8.0000e-004	0.0649	0.0185	7.6000e-004	0.0193	0.0000	238.7511	238.7511	0.0131	0.0000	239.0796
Worker	0.1980	0.1352	1.5939	5.2700e-003	0.5894	4.1800e-003	0.5936	0.1565	3.8500e-003	0.1604	0.0000	476.5369	476.5369	0.0112	0.0000	476.8171
Total	**0.2182**	**0.8375**	**1.8001**	**7.7300e-003**	**0.6535**	**4.9800e-003**	**0.6585**	**0.1750**	**4.6100e-003**	**0.1796**	**0.0000**	**715.2881**	**715.2881**	**0.0244**	**0.0000**	**715.8967**

3.6 Architectural Coating - 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					
Archit. Coating	4.7136					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0157	0.1078	0.1387	2.3000e-004		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	19.5324	19.5324	1.2700e-003	0.0000	19.5642
Total	**4.7293**	**0.1078**	**0.1387**	**2.3000e-004**		**6.2500e-003**	**6.2500e-003**		**6.2500e-003**	**6.2500e-003**	**0.0000**	**19.5324**	**19.5324**	**1.2700e-003**	**0.0000**	**19.5642**

3.6 Architectural Coating - 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	0.0991	0.0705	0.8148	2.5800e-003	0.2778	2.0200e-003	0.2798	0.0738	1.8600e-003	0.0756	0.0000	233.3115	233.3115	5.8600e-003	0.0000	233.4581
Total	**0.0991**	**0.0705**	**0.8148**	**2.5800e-003**	**0.2778**	**2.0200e-003**	**0.2798**	**0.0738**	**1.8600e-003**	**0.0756**	**0.0000**	**233.3115**	**233.3115**	**5.8600e-003**	**0.0000**	**233.4581**

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	4.7136					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0157	0.1078	0.1387	2.3000e-004		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	19.5324	19.5324	1.2700e-003	0.0000	19.5642
Total	**4.7293**	**0.1078**	**0.1387**	**2.3000e-004**		**6.2500e-003**	**6.2500e-003**		**6.2500e-003**	**6.2500e-003**	**0.0000**	**19.5324**	**19.5324**	**1.2700e-003**	**0.0000**	**19.5642**

3.6 Architectural Coating - 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	0.0991	0.0705	0.8148	2.5800e-003	0.2778	2.0200e-003	0.2798	0.0738	1.8600e-003	0.0756	0.0000	233.3115	233.3115	5.8600e-003	0.0000	233.4581
Total	**0.0991**	**0.0705**	**0.8148**	**2.5800e-003**	**0.2778**	**2.0200e-003**	**0.2798**	**0.0738**	**1.8600e-003**	**0.0756**	**0.0000**	**233.3115**	**233.3115**	**5.8600e-003**	**0.0000**	**233.4581**

3.6 Architectural Coating - 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					
Archit. Coating	2.0025					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2300e-003	0.0424	0.0589	1.0000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	8.2981	8.2981	5.0000e-004	0.0000	8.3105
Total	**2.0087**	**0.0424**	**0.0589**	**1.0000e-004**		**2.3000e-003**	**2.3000e-003**		**2.3000e-003**	**2.3000e-003**	**0.0000**	**8.2981**	**8.2981**	**5.0000e-004**	**0.0000**	**8.3105**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0396	0.0271	0.3192	1.0600e-003	0.1180	8.4000e-004	0.1189	0.0313	7.7000e-004	0.0321	0.0000	95.4227	95.4227	2.2400e-003	0.0000	95.4788
Total	**0.0396**	**0.0271**	**0.3192**	**1.0600e-003**	**0.1180**	**8.4000e-004**	**0.1189**	**0.0313**	**7.7000e-004**	**0.0321**	**0.0000**	**95.4227**	**95.4227**	**2.2400e-003**	**0.0000**	**95.4788**

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	2.0025					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2300e-003	0.0424	0.0589	1.0000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	8.2981	8.2981	5.0000e-004	0.0000	8.3105
Total	**2.0087**	**0.0424**	**0.0589**	**1.0000e-004**		**2.3000e-003**	**2.3000e-003**		**2.3000e-003**	**2.3000e-003**	**0.0000**	**8.2981**	**8.2981**	**5.0000e-004**	**0.0000**	**8.3105**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0396	0.0271	0.3192	1.0600e-003	0.1180	8.4000e-004	0.1189	0.0313	7.7000e-004	0.0321	0.0000	95.4227	95.4227	2.2400e-003	0.0000	95.4788
Total	**0.0396**	**0.0271**	**0.3192**	**1.0600e-003**	**0.1180**	**8.4000e-004**	**0.1189**	**0.0313**	**7.7000e-004**	**0.0321**	**0.0000**	**95.4227**	**95.4227**	**2.2400e-003**	**0.0000**	**95.4788**

3.7 Paving - 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	0.0181	0.1784	0.2552	4.0000e-004		8.9300e-003	8.9300e-003		8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304
Paving	0.0101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0282**	**0.1784**	**0.2552**	**4.0000e-004**		**8.9300e-003**	**8.9300e-003**		**8.2100e-003**	**8.2100e-003**	**0.0000**	**35.0470**	**35.0470**	**0.0113**	**0.0000**	**35.3304**

3.7 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	6.6000e-004	7.7900e-003	3.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.3285	2.3285	5.0000e-005	0.0000	2.3298
Total	**9.7000e-004**	**6.6000e-004**	**7.7900e-003**	**3.0000e-005**	**2.8800e-003**	**2.0000e-005**	**2.9000e-003**	**7.6000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**2.3285**	**2.3285**	**5.0000e-005**	**0.0000**	**2.3298**

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	0.0181	0.1784	0.2552	4.0000e-004		8.9300e-003	8.9300e-003		8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304
Paving	0.0101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0282**	**0.1784**	**0.2552**	**4.0000e-004**		**8.9300e-003**	**8.9300e-003**		**8.2100e-003**	**8.2100e-003**	**0.0000**	**35.0470**	**35.0470**	**0.0113**	**0.0000**	**35.3304**

3.7 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	6.6000e-004	7.7900e-003	3.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.3285	2.3285	5.0000e-005	0.0000	2.3298
Total	**9.7000e-004**	**6.6000e-004**	**7.7900e-003**	**3.0000e-005**	**2.8800e-003**	**2.0000e-005**	**2.9000e-003**	**7.6000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**2.3285**	**2.3285**	**5.0000e-005**	**0.0000**	**2.3298**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4858	17.1183	41.3606	0.1640	14.2355	0.1189	14.3544	3.8143	0.1105	3.9247	0.0000	15,192.6913	15,192.6913	0.7017	0.0000	15,210.2329
Unmitigated	3.8858	19.3914	51.6069	0.2121	18.7937	0.1519	18.9456	5.0356	0.1412	5.1768	0.0000	19,636.7002	19,636.7002	0.8722	0.0000	19,658.5058

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	10,597.12	12,447.72	11415.28	37,514,763	28,415,932
Government (Civic Center)	929.45	293.48	438.60	2,373,140	1,797,559
City Park	0.03	2.55	2.85	2,271	1,720
General Office Building	744.72	188.09	80.28	1,837,142	1,391,562
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	2,806.71	3,715.27	1876.59	6,063,819	4,593,100
Library	90.30	1,501.24	822.05	1,000,782	758,052
Place of Worship	224.14	193.18	891.07	671,808	508,868
Total	15,392.46	18,341.52	15,526.72	49,463,726	37,466,794

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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Government (Civic Center)	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
City Park	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
General Office Building	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Regional Shopping Center	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Library	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Place of Worship	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, 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	3,455.7848	3,455.7848	0.1427	0.0295	3,468.1479
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,455.7848	3,455.7848	0.1427	0.0295	3,468.1479
NaturalGas Mitigated	0.1099	0.9460	0.4517	5.9900e-003		0.0759	0.0759		0.0759	0.0759	0.0000	1,087.3234	1,087.3234	0.0208	0.0199	1,093.7849
NaturalGas Unmitigated	0.1099	0.9460	0.4517	5.9900e-003		0.0759	0.0759		0.0759	0.0759	0.0000	1,087.3234	1,087.3234	0.0208	0.0199	1,093.7849

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	1.79546e+007	0.0968	0.8273	0.3521	5.2800e-003		0.0669	0.0669		0.0669	0.0669	0.0000	958.1258	958.1258	0.0184	0.0176	963.8195
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
General Office Building	795969	4.2900e-003	0.0390	0.0328	2.3000e-004		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	42.4760	42.4760	8.1000e-004	7.8000e-004	42.7284
Government (Civic Center)	335723	1.8100e-003	0.0165	0.0138	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9154	17.9154	3.4000e-004	3.3000e-004	18.0219
Library	583725	3.1500e-003	0.0286	0.0240	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.1498	31.1498	6.0000e-004	5.7000e-004	31.3349
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	583725	3.1500e-003	0.0286	0.0240	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.1498	31.1498	6.0000e-004	5.7000e-004	31.3349
Regional Shopping Center	121931	6.6000e-004	5.9800e-003	5.0200e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5067	6.5067	1.2000e-004	1.2000e-004	6.5454
Total		**0.1099**	**0.9460**	**0.4518**	**5.9900e-003**		**0.0759**	**0.0759**		**0.0759**	**0.0759**	**0.0000**	**1,087.3234**	**1,087.3234**	**0.0208**	**0.0199**	**1,093.7849**

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	1.79546e+007	0.0968	0.8273	0.3521	5.2800e-003		0.0669	0.0669		0.0669	0.0669	0.0000	958.1258	958.1258	0.0184	0.0176	963.8195
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
General Office Building	795969	4.2900e-003	0.0390	0.0328	2.3000e-004		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	42.4760	42.4760	8.1000e-004	7.8000e-004	42.7284
Government (Civic Center)	335723	1.8100e-003	0.0165	0.0138	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9154	17.9154	3.4000e-004	3.3000e-004	18.0219
Library	583725	3.1500e-003	0.0286	0.0240	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.1498	31.1498	6.0000e-004	5.7000e-004	31.3349
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	583725	3.1500e-003	0.0286	0.0240	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.1498	31.1498	6.0000e-004	5.7000e-004	31.3349
Regional Shopping Center	121931	6.6000e-004	5.9800e-003	5.0200e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5067	6.5067	1.2000e-004	1.2000e-004	6.5454
Total		**0.1099**	**0.9460**	**0.4518**	**5.9900e-003**		**0.0759**	**0.0759**		**0.0759**	**0.0759**	**0.0000**	**1,087.3234**	**1,087.3234**	**0.0208**	**0.0199**	**1,093.7849**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	7.71424e+006	2,457.9208	0.1015	0.0210	2,466.7141
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	993241	316.4680	0.0131	2.7000e-003	317.6002
Government (Civic Center)	418927	133.4793	5.5100e-003	1.1400e-003	133.9568
Library	357975	114.0585	4.7100e-003	9.7000e-004	114.4666
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	357975	114.0585	4.7100e-003	9.7000e-004	114.4666
Regional Shopping Center	1.0037e+006	319.7997	0.0132	2.7300e-003	320.9438
Total		**3,455.7848**	**0.1427**	**0.0295**	**3,468.1479**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	7.71424e+006	2,457.9208	0.1015	0.0210	2,466.7141
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	993241	316.4680	0.0131	2.7000e-003	317.6002
Government (Civic Center)	418927	133.4793	5.5100e-003	1.1400e-003	133.9568
Library	357975	114.0585	4.7100e-003	9.7000e-004	114.4666
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	357975	114.0585	4.7100e-003	9.7000e-004	114.4666
Regional Shopping Center	1.0037e+006	319.7997	0.0132	2.7300e-003	320.9438
Total		**3,455.7848**	**0.1427**	**0.0295**	**3,468.1479**

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	9.2902	0.2314	20.0839	1.0600e-003		0.1113	0.1113		0.1113	0.1113	0.0000	32.8215	32.8215	0.0315	0.0000	33.6091
Unmitigated	9.2902	0.2314	20.0839	1.0600e-003		0.1113	0.1113		0.1113	0.1113	0.0000	32.8215	32.8215	0.0315	0.0000	33.6091

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.9571					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	0.6041	0.2314	20.0839	1.0600e-003		0.1113	0.1113		0.1113	0.1113	0.0000	32.8215	32.8215	0.0315	0.0000	33.6091
Total	**9.2902**	**0.2314**	**20.0839**	**1.0600e-003**		**0.1113**	**0.1113**		**0.1113**	**0.1113**	**0.0000**	**32.8215**	**32.8215**	**0.0315**	**0.0000**	**33.6091**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.9571					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	0.6041	0.2314	20.0839	1.0600e-003		0.1113	0.1113		0.1113	0.1113	0.0000	32.8215	32.8215	0.0315	0.0000	33.6091
Total	**9.2902**	**0.2314**	**20.0839**	**1.0600e-003**		**0.1113**	**0.1113**		**0.1113**	**0.1113**	**0.0000**	**32.8215**	**32.8215**	**0.0315**	**0.0000**	**33.6091**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	907.0252	4.0618	0.1025	1,039.1082
Unmitigated	1,044.9734	5.0736	0.1273	1,209.7594

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	126.92 / 80.0148	850.0710	4.1691	0.1046	985.4609
City Park	0 / 1.54893	5.4830	2.3000e-004	5.0000e-005	5.5026
General Office Building	13.5895 / 8.32906	90.1750	0.4464	0.0112	104.6684
Government (Civic Center)	6.40677 / 3.92673	42.5130	0.2104	5.2800e-003	49.3459
Library	1.00907 / 1.57828	10.0935	0.0333	8.6000e-004	11.1818
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	1.00907 / 1.57828	10.0935	0.0333	8.6000e-004	11.1818
Regional Shopping Center	5.50729 / 3.37544	36.5444	0.1809	4.5300e-003	42.4179
Total		**1,044.9734**	**5.0736**	**0.1273**	**1,209.7594**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	101.536 / 80.0148	736.7055	3.3376	0.0841	845.2200
City Park	0 / 1.54893	5.4830	2.3000e-004	5.0000e-005	5.5026
General Office Building	10.8716 / 8.32906	78.0368	0.3573	9.0000e-003	89.6526
Government (Civic Center)	5.12542 / 3.92673	36.7904	0.1685	4.2400e-003	42.2667
Library	0.807254 / 1.57828	9.1922	0.0267	7.0000e-004	10.0668
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.807254 / 1.57828	9.1922	0.0267	7.0000e-004	10.0668
Regional Shopping Center	4.40583 / 3.37544	31.6252	0.1448	3.6500e-003	36.3326
Total		**907.0252**	**4.0618**	**0.1025**	**1,039.1082**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	292.8612	17.3076	0.0000	725.5511
Unmitigated	292.8612	17.3076	0.0000	725.5511

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	896.08	181.8961	10.7498	0.0000	450.6400
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
General Office Building	71.11	14.4347	0.8531	0.0000	35.7613
Government (Civic Center)	183.83	37.3158	2.2053	0.0000	92.4484
Library	29.7	6.0288	0.3563	0.0000	14.9362
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	183.83	37.3158	2.2053	0.0000	92.4484
Regional Shopping Center	78.07	15.8475	0.9366	0.0000	39.2615
Total		**292.8612**	**17.3076**	**0.0000**	**725.5511**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	896.08	181.8961	10.7498	0.0000	450.6400
City Park	0.11	0.0223	1.3200e-003	0.0000	0.0553
General Office Building	71.11	14.4347	0.8531	0.0000	35.7613
Government (Civic Center)	183.83	37.3158	2.2053	0.0000	92.4484
Library	29.7	6.0288	0.3563	0.0000	14.9362
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	183.83	37.3158	2.2053	0.0000	92.4484
Regional Shopping Center	78.07	15.8475	0.9366	0.0000	39.2615
Total		**292.8612**	**17.3076**	**0.0000**	**725.5511**

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

Compton Hub City Specific Plan (Phase 1 and 2)

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.49	1000sqft	0.00	26,494.00	0
Other Asphalt Surfaces	1.77	Acre	1.77	77,101.20	0
City Park	0.66	Acre	0.66	28,749.60	0
Apartments Mid Rise	530.00	Dwelling Unit	8.17	529,875.00	1516
Regional Shopping Center	26.49	1000sqft	0.00	26,494.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	30.00	90.00
tblConstructionPhase	NumDays	300.00	550.00
tblConstructionPhase	NumDays	20.00	210.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	6/16/2023	8/11/2023
tblConstructionPhase	PhaseEndDate	6/30/2023	10/6/2023
tblConstructionPhase	PhaseEndDate	8/11/2023	2/9/2024

tblConstructionPhase	PhaseEndDate	10/4/2024	3/20/2026
tblConstructionPhase	PhaseEndDate	11/29/2024	3/20/2026
tblConstructionPhase	PhaseEndDate	11/1/2024	5/8/2026
tblConstructionPhase	PhaseStartDate	6/17/2023	8/12/2023
tblConstructionPhase	PhaseStartDate	7/1/2023	10/7/2023
tblConstructionPhase	PhaseStartDate	8/12/2023	2/10/2024
tblConstructionPhase	PhaseStartDate	11/2/2024	6/2/2025
tblConstructionPhase	PhaseStartDate	10/5/2024	3/21/2026
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	53.00	0.00
tblFireplaces	NumberWood	26.50	0.00
tblGrading	AcresOfGrading	225.00	75.00
tblLandUse	LandUseSquareFeet	530,000.00	529,875.00
tblLandUse	LotAcreage	0.61	0.00
tblLandUse	LotAcreage	13.95	8.17
tblLandUse	LotAcreage	0.61	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	26.50	0.00
tblWoodstoves	NumberNoncatalytic	26.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.3962	34.5604	28.6946	0.0642	18.2675	1.4261	19.5349	9.9840	1.3120	11.1501	0.0000	6,217.0638	6,217.0638	1.9491	0.0000	6,265.7910
2024	3.2886	32.4177	31.0327	0.0914	7.1294	1.3369	8.4663	3.4649	1.2300	4.6949	0.0000	9,125.6662	9,125.6662	1.9481	0.0000	9,146.0654
2025	20.5327	20.2246	34.2658	0.1010	6.4777	0.6254	7.1031	1.7300	0.5906	2.3206	0.0000	10,072.2084	10,072.2084	0.8354	0.0000	10,093.0947
2026	20.4477	20.0937	33.2742	0.0991	6.4777	0.6239	7.1017	1.7300	0.5893	2.3193	0.0000	9,880.4990	9,880.4990	0.8246	0.0000	9,901.1151
Maximum	**20.5327**	**34.5604**	**34.2658**	**0.1010**	**18.2675**	**1.4261**	**19.5349**	**9.9840**	**1.3120**	**11.1501**	**0.0000**	**10,072.2084**	**10,072.2084**	**1.9491**	**0.0000**	**10,093.0947**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.3962	34.5604	28.6946	0.0642	8.3310	1.4261	9.5984	4.5222	1.3120	5.6882	0.0000	6,217.0638	6,217.0638	1.9491	0.0000	6,265.7910
2024	3.2886	32.4177	31.0327	0.0914	5.4829	1.3369	6.1366	1.5918	1.2300	2.8218	0.0000	9,125.6662	9,125.6662	1.9481	0.0000	9,146.0654
2025	20.5327	20.2246	34.2658	0.1010	6.4777	0.6254	7.1031	1.7300	0.5906	2.3206	0.0000	10,072.2084	10,072.2084	0.8354	0.0000	10,093.0947
2026	20.4477	20.0937	33.2742	0.0991	6.4777	0.6239	7.1017	1.7300	0.5893	2.3193	0.0000	9,880.4990	9,880.4990	0.8246	0.0000	9,901.1151
Maximum	**20.5327**	**34.5604**	**34.2658**	**0.1010**	**8.3310**	**1.4261**	**9.5984**	**4.5222**	**1.3120**	**5.6882**	**0.0000**	**10,072.2084**	**10,072.2084**	**1.9491**	**0.0000**	**10,093.0947**

	ROG	NOx	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**	**30.20**	**0.00**	**29.06**	**43.38**	**0.00**	**35.81**	**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	13.8631	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424	0.0000	78.7449	78.7449	0.0754	0.0000	80.6305
Energy	0.1538	1.3191	0.5969	8.3900e-003		0.1062	0.1062		0.1062	0.1062		1,677.4314	1,677.4314	0.0322	0.0308	1,687.3995
Mobile	8.7379	41.8097	110.4277	0.4878	45.8849	0.3256	46.2105	12.2735	0.3023	12.5758		49,873.5789	49,873.5789	2.0240		49,924.1797
Total	**22.7548**	**43.6321**	**154.7145**	**0.4985**	**45.8849**	**0.6743**	**46.5592**	**12.2735**	**0.6510**	**12.9244**	**0.0000**	**51,629.7552**	**51,629.7552**	**2.1316**	**0.0308**	**51,692.2098**

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	13.8631	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424	0.0000	78.7449	78.7449	0.0754	0.0000	80.6305
Energy	0.1538	1.3191	0.5969	8.3900e-003		0.1062	0.1062		0.1062	0.1062		1,677.4314	1,677.4314	0.0322	0.0308	1,687.3995
Mobile	7.8775	37.5391	87.5957	0.3776	34.7560	0.2551	35.0110	9.2967	0.2368	9.5334		38,638.5056	38,638.5056	1.6243		38,679.1127
Total	**21.8944**	**39.3614**	**131.8824**	**0.3883**	**34.7560**	**0.6037**	**35.3597**	**9.2967**	**0.5854**	**9.8821**	**0.0000**	**40,394.6819**	**40,394.6819**	**1.7319**	**0.0308**	**40,447.1427**

	ROG	NOx	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	**3.78**	**9.79**	**14.76**	**22.10**	**24.25**	**10.46**	**24.05**	**24.25**	**10.07**	**23.54**	**0.00**	**21.76**	**21.76**	**18.75**	**0.00**	**21.75**

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	5/22/2023	8/11/2023	5	60	
2	Site Preparation	Site Preparation	8/12/2023	10/6/2023	5	40	
3	Grading	Grading	10/7/2023	2/9/2024	5	90	
4	Building Construction	Building Construction	2/10/2024	3/20/2026	5	550	
5	Paving	Paving	3/21/2026	5/8/2026	5	35	
6	Architectural Coating	Architectural Coating	6/2/2025	3/20/2026	5	210	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.77

Residential Indoor: 1,072,997; Residential Outdoor: 357,666; Non-Residential Indoor: 79,482; Non-Residential Outdoor: 26,494; Striped Parking Area: 4,626 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	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	477.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	443.00	83.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	89.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					1.7219	0.0000	1.7219	0.2607	0.0000	0.2607			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**1.7219**	**0.9975**	**2.7194**	**0.2607**	**0.9280**	**1.1887**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

3.2 Demolition - 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	0.0362	1.2022	0.3835	5.7600e-003	0.1389	2.2300e-003	0.1411	0.0381	2.1300e-003	0.0402		625.8539	625.8539	0.0398		626.8479
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	0.0558	0.0336	0.4825	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		154.1895	154.1895	3.6400e-003		154.2806
Total	**0.0921**	**1.2358**	**0.8660**	**7.3100e-003**	**0.3066**	**3.4000e-003**	**0.3100**	**0.0825**	**3.2100e-003**	**0.0857**		**780.0434**	**780.0434**	**0.0434**		**781.1284**

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					0.7749	0.0000	0.7749	0.1173	0.0000	0.1173			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.7749**	**0.9975**	**1.7724**	**0.1173**	**0.9280**	**1.0453**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

3.2 Demolition - 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	0.0362	1.2022	0.3835	5.7600e-003	0.1389	2.2300e-003	0.1411	0.0381	2.1300e-003	0.0402		625.8539	625.8539	0.0398		626.8479
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	0.0558	0.0336	0.4825	1.5500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		154.1895	154.1895	3.6400e-003		154.2806
Total	**0.0921**	**1.2358**	**0.8660**	**7.3100e-003**	**0.3066**	**3.4000e-003**	**0.3100**	**0.0825**	**3.2100e-003**	**0.0857**		**780.0434**	**780.0434**	**0.0434**		**781.1284**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**18.0663**	**1.2660**	**19.3323**	**9.9307**	**1.1647**	**11.0954**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0670	0.0403	0.5791	1.8600e-003	0.2012	1.4000e-003	0.2026	0.0534	1.2900e-003	0.0547		185.0274	185.0274	4.3700e-003		185.1367
Total	**0.0670**	**0.0403**	**0.5791**	**1.8600e-003**	**0.2012**	**1.4000e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**185.0274**	**185.0274**	**4.3700e-003**		**185.1367**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**8.1298**	**1.2660**	**9.3958**	**4.4688**	**1.1647**	**5.6336**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0670	0.0403	0.5791	1.8600e-003	0.2012	1.4000e-003	0.2026	0.0534	1.2900e-003	0.0547		185.0274	185.0274	4.3700e-003		185.1367
Total	**0.0670**	**0.0403**	**0.5791**	**1.8600e-003**	**0.2012**	**1.4000e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**185.0274**	**185.0274**	**4.3700e-003**		**185.1367**

3.4 Grading - 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					
Fugitive Dust					6.9058	0.0000	6.9058	3.4057	0.0000	3.4057			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**6.9058**	**1.4245**	**8.3303**	**3.4057**	**1.3105**	**4.7162**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 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	0.0000	0.0000	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	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
Total	**0.0745**	**0.0448**	**0.6434**	**2.0600e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**205.5860**	**205.5860**	**4.8500e-003**		**205.7074**

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					3.1076	0.0000	3.1076	1.5325	0.0000	1.5325			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**3.1076**	**1.4245**	**4.5321**	**1.5325**	**1.3105**	**2.8431**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 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	0.0000	0.0000	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	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
Total	**0.0745**	**0.0448**	**0.6434**	**2.0600e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**205.5860**	**205.5860**	**4.8500e-003**		**205.7074**

3.4 Grading - 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					
Fugitive Dust					6.9058	0.0000	6.9058	3.4057	0.0000	3.4057			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**6.9058**	**1.3354**	**8.2412**	**3.4057**	**1.2286**	**4.6342**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Grading - 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	0.0000	0.0000	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	0.0705	0.0408	0.6010	1.9900e-003	0.2236	1.5400e-003	0.2251	0.0593	1.4100e-003	0.0607		198.8418	198.8418	4.4500e-003		198.9531
Total	**0.0705**	**0.0408**	**0.6010**	**1.9900e-003**	**0.2236**	**1.5400e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**198.8418**	**198.8418**	**4.4500e-003**		**198.9531**

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					3.1076	0.0000	3.1076	1.5325	0.0000	1.5325			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.1076**	**1.3354**	**4.4430**	**1.5325**	**1.2286**	**2.7611**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Grading - 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	0.0000	0.0000	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	0.0705	0.0408	0.6010	1.9900e-003	0.2236	1.5400e-003	0.2251	0.0593	1.4100e-003	0.0607		198.8418	198.8418	4.4500e-003		198.9531
Total	**0.0705**	**0.0408**	**0.6010**	**1.9900e-003**	**0.2236**	**1.5400e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**198.8418**	**198.8418**	**4.4500e-003**		**198.9531**

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	0.1582	5.6667	1.5535	0.0202	0.5312	6.3200e-003	0.5375	0.1529	6.0400e-003	0.1590		2,165.6217	2,165.6217	0.1130		2,168.4477
Worker	1.5609	0.9034	13.3123	0.0442	4.9517	0.0340	4.9857	1.3132	0.0313	1.3445		4,404.3456	4,404.3456	0.0986		4,406.8100
Total	**1.7190**	**6.5701**	**14.8659**	**0.0644**	**5.4829**	**0.0404**	**5.5233**	**1.4661**	**0.0374**	**1.5035**		**6,569.9673**	**6,569.9673**	**0.2116**		**6,575.2577**

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	0.1582	5.6667	1.5535	0.0202	0.5312	6.3200e-003	0.5375	0.1529	6.0400e-003	0.1590		2,165.6217	2,165.6217	0.1130		2,168.4477
Worker	1.5609	0.9034	13.3123	0.0442	4.9517	0.0340	4.9857	1.3132	0.0313	1.3445		4,404.3456	4,404.3456	0.0986		4,406.8100
Total	**1.7190**	**6.5701**	**14.8659**	**0.0644**	**5.4829**	**0.0404**	**5.5233**	**1.4661**	**0.0374**	**1.5035**		**6,569.9673**	**6,569.9673**	**0.2116**		**6,575.2577**

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	0.1542	5.6173	1.5125	0.0201	0.5312	6.2300e-003	0.5374	0.1529	5.9500e-003	0.1589		2,153.3116	2,153.3116	0.1112		2,156.0927
Worker	1.4824	0.8261	12.3736	0.0424	4.9517	0.0334	4.9851	1.3132	0.0307	1.3439		4,230.9617	4,230.9617	0.0899		4,233.2081
Total	**1.6366**	**6.4434**	**13.8861**	**0.0625**	**5.4829**	**0.0396**	**5.5225**	**1.4661**	**0.0367**	**1.5028**		**6,384.2734**	**6,384.2734**	**0.2011**		**6,389.3008**

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	0.1542	5.6173	1.5125	0.0201	0.5312	6.2300e-003	0.5374	0.1529	5.9500e-003	0.1589		2,153.3116	2,153.3116	0.1112		2,156.0927
Worker	1.4824	0.8261	12.3736	0.0424	4.9517	0.0334	4.9851	1.3132	0.0307	1.3439		4,230.9617	4,230.9617	0.0899		4,233.2081
Total	**1.6366**	**6.4434**	**13.8861**	**0.0625**	**5.4829**	**0.0396**	**5.5225**	**1.4661**	**0.0367**	**1.5028**		**6,384.2734**	**6,384.2734**	**0.2011**		**6,389.3008**

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	0.1507	5.5651	1.4810	0.0200	0.5312	6.1200e-003	0.5373	0.1529	5.8500e-003	0.1588		2,141.5174	2,141.5174	0.1095		2,144.2540
Worker	1.4146	0.7606	11.5741	0.0409	4.9517	0.0323	4.9840	1.3132	0.0297	1.3429		4,081.1451	4,081.1451	0.0823		4,083.2036
Total	**1.5652**	**6.3257**	**13.0551**	**0.0609**	**5.4829**	**0.0384**	**5.5213**	**1.4661**	**0.0356**	**1.5017**		**6,222.6625**	**6,222.6625**	**0.1918**		**6,227.4576**

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	0.1507	5.5651	1.4810	0.0200	0.5312	6.1200e-003	0.5373	0.1529	5.8500e-003	0.1588		2,141.5174	2,141.5174	0.1095		2,144.2540
Worker	1.4146	0.7606	11.5741	0.0409	4.9517	0.0323	4.9840	1.3132	0.0297	1.3429		4,081.1451	4,081.1451	0.0823		4,083.2036
Total	**1.5652**	**6.3257**	**13.0551**	**0.0609**	**5.4829**	**0.0384**	**5.5213**	**1.4661**	**0.0356**	**1.5017**		**6,222.6625**	**6,222.6625**	**0.1918**		**6,227.4576**

3.6 Paving - 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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0477**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.6 Paving - 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	0.0000	0.0000	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	0.0479	0.0258	0.3919	1.3900e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		138.1878	138.1878	2.7900e-003		138.2575
Total	**0.0479**	**0.0258**	**0.3919**	**1.3900e-003**	**0.1677**	**1.0900e-003**	**0.1688**	**0.0445**	**1.0100e-003**	**0.0455**		**138.1878**	**138.1878**	**2.7900e-003**		**138.2575**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0477**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.6 Paving - 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	0.0000	0.0000	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	0.0479	0.0258	0.3919	1.3900e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		138.1878	138.1878	2.7900e-003		138.2575
Total	**0.0479**	**0.0258**	**0.3919**	**1.3900e-003**	**0.1677**	**1.0900e-003**	**0.1688**	**0.0445**	**1.0100e-003**	**0.0455**		**138.1878**	**138.1878**	**2.7900e-003**		**138.2575**

3.7 Architectural Coating - 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					
Archit. Coating	17.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**17.2309**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.2978	0.1660	2.4859	8.5200e-003	0.9948	6.7100e-003	1.0015	0.2638	6.1700e-003	0.2700		850.0126	850.0126	0.0181		850.4639
Total	**0.2978**	**0.1660**	**2.4859**	**8.5200e-003**	**0.9948**	**6.7100e-003**	**1.0015**	**0.2638**	**6.1700e-003**	**0.2700**		**850.0126**	**850.0126**	**0.0181**		**850.4639**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**17.2309**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.2978	0.1660	2.4859	8.5200e-003	0.9948	6.7100e-003	1.0015	0.2638	6.1700e-003	0.2700		850.0126	850.0126	0.0181		850.4639
Total	**0.2978**	**0.1660**	**2.4859**	**8.5200e-003**	**0.9948**	**6.7100e-003**	**1.0015**	**0.2638**	**6.1700e-003**	**0.2700**		**850.0126**	**850.0126**	**0.0181**		**850.4639**

3.7 Architectural Coating - 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					
Archit. Coating	17.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**17.2309**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.2842	0.1528	2.3253	8.2200e-003	0.9948	6.4800e-003	1.0013	0.2638	5.9700e-003	0.2698		819.9140	819.9140	0.0165		820.3276
Total	**0.2842**	**0.1528**	**2.3253**	**8.2200e-003**	**0.9948**	**6.4800e-003**	**1.0013**	**0.2638**	**5.9700e-003**	**0.2698**		**819.9140**	**819.9140**	**0.0165**		**820.3276**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**17.2309**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.2842	0.1528	2.3253	8.2200e-003	0.9948	6.4800e-003	1.0013	0.2638	5.9700e-003	0.2698		819.9140	819.9140	0.0165		820.3276
Total	**0.2842**	**0.1528**	**2.3253**	**8.2200e-003**	**0.9948**	**6.4800e-003**	**1.0013**	**0.2638**	**5.9700e-003**	**0.2698**		**819.9140**	**819.9140**	**0.0165**		**820.3276**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.8775	37.5391	87.5957	0.3776	34.7560	0.2551	35.0110	9.2967	0.2368	9.5334		38,638.5056	38,638.5056	1.6243		38,679.1127
Unmitigated	8.7379	41.8097	110.4277	0.4878	45.8849	0.3256	46.2105	12.2735	0.3023	12.5758		49,873.5789	49,873.5789	2.0240		49,924.1797

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,883.20	3,386.70	3105.80	10,200,613	7,726,556
City Park	0.00	0.00	0.00		
General Office Building	2,221.26	65.18	27.82	5,154,006	3,903,953
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,000.15	1,323.91	668.71	2,160,791	1,636,713
Total	6,104.61	4,775.78	3,802.33	17,515,410	13,267,222

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
City Park	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
General Office Building	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
Other Asphalt Surfaces	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
Regional Shopping Center	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1538	1.3191	0.5969	8.3900e-003		0.1062	0.1062		0.1062	0.1062		1,677.4314	1,677.4314	0.0322	0.0308	1,687.3995
NaturalGas Unmitigated	0.1538	1.3191	0.5969	8.3900e-003		0.1062	0.1062		0.1062	0.1062		1,677.4314	1,677.4314	0.0322	0.0308	1,687.3995

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	13383.5	0.1443	1.2334	0.5248	7.8700e-003		0.0997	0.0997		0.0997	0.0997		1,574.5296	1,574.5296	0.0302	0.0289	1,583.8863
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
General Office Building	755.623	8.1500e-003	0.0741	0.0622	4.4000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003		88.8969	88.8969	1.7000e-003	1.6300e-003	89.4251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	119.042	1.2800e-003	0.0117	9.8000e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0049	14.0049	2.7000e-004	2.6000e-004	14.0881
Total		**0.1538**	**1.3191**	**0.5969**	**8.3800e-003**		**0.1062**	**0.1062**		**0.1062**	**0.1062**		**1,677.4314**	**1,677.4314**	**0.0322**	**0.0308**	**1,687.3995**

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	13.3835	0.1443	1.2334	0.5248	7.8700e-003		0.0997	0.0997		0.0997	0.0997		1,574.5296	1,574.5296	0.0302	0.0289	1,583.8863
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
General Office Building	0.755623	8.1500e-003	0.0741	0.0622	4.4000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003		88.8969	88.8969	1.7000e-003	1.6300e-003	89.4251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.119042	1.2800e-003	0.0117	9.8000e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0049	14.0049	2.7000e-004	2.6000e-004	14.0881
Total		**0.1538**	**1.3191**	**0.5969**	**8.3800e-003**		**0.1062**	**0.1062**		**0.1062**	**0.1062**		**1,677.4314**	**1,677.4314**	**0.0322**	**0.0308**	**1,687.3995**

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	13.8631	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424	0.0000	78.7449	78.7449	0.0754	0.0000	80.6305
Unmitigated	13.8631	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424	0.0000	78.7449	78.7449	0.0754	0.0000	80.6305

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.5695					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	1.3121	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424		78.7449	78.7449	0.0754		80.6305
Total	**13.8631**	**0.5032**	**43.6899**	**2.3100e-003**		**0.2424**	**0.2424**		**0.2424**	**0.2424**	**0.0000**	**78.7449**	**78.7449**	**0.0754**	**0.0000**	**80.6305**

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	0.9815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.5695					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	1.3121	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424		78.7449	78.7449	0.0754		80.6305
Total	**13.8631**	**0.5032**	**43.6899**	**2.3100e-003**		**0.2424**	**0.2424**		**0.2424**	**0.2424**	**0.0000**	**78.7449**	**78.7449**	**0.0754**	**0.0000**	**80.6305**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 1 and 2)

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.49	1000sqft	0.00	26,494.00	0
Other Asphalt Surfaces	1.77	Acre	1.77	77,101.20	0
City Park	0.66	Acre	0.66	28,749.60	0
Apartments Mid Rise	530.00	Dwelling Unit	8.17	529,875.00	1516
Regional Shopping Center	26.49	1000sqft	0.00	26,494.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	30.00	90.00
tblConstructionPhase	NumDays	300.00	550.00
tblConstructionPhase	NumDays	20.00	210.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	6/16/2023	8/11/2023
tblConstructionPhase	PhaseEndDate	6/30/2023	10/6/2023
tblConstructionPhase	PhaseEndDate	8/11/2023	2/9/2024

tblConstructionPhase	PhaseEndDate	10/4/2024	3/20/2026
tblConstructionPhase	PhaseEndDate	11/29/2024	3/20/2026
tblConstructionPhase	PhaseEndDate	11/1/2024	5/8/2026
tblConstructionPhase	PhaseStartDate	6/17/2023	8/12/2023
tblConstructionPhase	PhaseStartDate	7/1/2023	10/7/2023
tblConstructionPhase	PhaseStartDate	8/12/2023	2/10/2024
tblConstructionPhase	PhaseStartDate	11/2/2024	6/2/2025
tblConstructionPhase	PhaseStartDate	10/5/2024	3/21/2026
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	53.00	0.00
tblFireplaces	NumberWood	26.50	0.00
tblGrading	AcresOfGrading	225.00	75.00
tblLandUse	LandUseSquareFeet	530,000.00	529,875.00
tblLandUse	LotAcreage	0.61	0.00
tblLandUse	LotAcreage	13.95	8.17
tblLandUse	LotAcreage	0.61	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	26.50	0.00
tblWoodstoves	NumberNoncatalytic	26.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.4035	34.5646	28.6272	0.0640	18.2675	1.4261	19.5349	9.9840	1.3120	11.1501	0.0000	6,203.7370	6,203.7370	1.9488	0.0000	6,252.4558
2024	3.3582	32.4216	29.7691	0.0879	7.1294	1.3369	8.4663	3.4649	1.2300	4.6949	0.0000	8,777.9479	8,777.9479	1.9478	0.0000	8,798.3551
2025	20.7283	20.2826	32.8194	0.0971	6.4777	0.6256	7.1033	1.7300	0.5908	2.3208	0.0000	9,681.1182	9,681.1182	0.8348	0.0000	9,701.9883
2026	20.6402	20.1441	31.9142	0.0953	6.4777	0.6242	7.1019	1.7300	0.5895	2.3195	0.0000	9,501.5466	9,501.5466	0.8244	0.0000	9,522.1555
Maximum	**20.7283**	**34.5646**	**32.8194**	**0.0971**	**18.2675**	**1.4261**	**19.5349**	**9.9840**	**1.3120**	**11.1501**	**0.0000**	**9,681.1182**	**9,681.1182**	**1.9488**	**0.0000**	**9,701.9883**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.4035	34.5646	28.6272	0.0640	8.3310	1.4261	9.5984	4.5222	1.3120	5.6882	0.0000	6,203.7370	6,203.7370	1.9488	0.0000	6,252.4558
2024	3.3582	32.4216	29.7691	0.0879	5.4829	1.3369	6.1368	1.5918	1.2300	2.8218	0.0000	8,777.9479	8,777.9479	1.9478	0.0000	8,798.3551
2025	20.7283	20.2826	32.8194	0.0971	6.4777	0.6256	7.1033	1.7300	0.5908	2.3208	0.0000	9,681.1182	9,681.1182	0.8348	0.0000	9,701.9883
2026	20.6402	20.1441	31.9142	0.0953	6.4777	0.6242	7.1019	1.7300	0.5895	2.3195	0.0000	9,501.5466	9,501.5466	0.8244	0.0000	9,522.1555
Maximum	**20.7283**	**34.5646**	**32.8194**	**0.0971**	**8.3310**	**1.4261**	**9.5984**	**4.5222**	**1.3120**	**5.6882**	**0.0000**	**9,681.1182**	**9,681.1182**	**1.9488**	**0.0000**	**9,701.9883**

	ROG	NOx	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**	**30.20**	**0.00**	**29.06**	**43.38**	**0.00**	**35.81**	**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	13.8631	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424	0.0000	78.7449	78.7449	0.0754	0.0000	80.6305
Energy	0.1538	1.3191	0.5969	8.3900e-003		0.1062	0.1062		0.1062	0.1062		1,677.4314	1,677.4314	0.0322	0.0308	1,687.3995
Mobile	8.2579	42.3355	103.2322	0.4622	45.8849	0.3268	46.2117	12.2735	0.3035	12.5770		47,295.9692	47,295.9692	2.0322		47,346.7750
Total	**22.2748**	**44.1579**	**147.5189**	**0.4729**	**45.8849**	**0.6755**	**46.5604**	**12.2735**	**0.6522**	**12.9256**	**0.0000**	**49,052.1455**	**49,052.1455**	**2.1398**	**0.0308**	**49,114.8051**

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	13.8631	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424	0.0000	78.7449	78.7449	0.0754	0.0000	80.6305
Energy	0.1538	1.3191	0.5969	8.3900e-003		0.1062	0.1062		0.1062	0.1062		1,677.4314	1,677.4314	0.0322	0.0308	1,687.3995
Mobile	7.4179	37.8151	82.9015	0.3575	34.7560	0.2563	35.0123	9.2967	0.2380	9.5346		36,598.2832	36,598.2832	1.6423		36,639.3418
Total	**21.4348**	**39.6375**	**127.1882**	**0.3682**	**34.7560**	**0.6049**	**35.3609**	**9.2967**	**0.5866**	**9.8833**	**0.0000**	**38,354.4594**	**38,354.4594**	**1.7499**	**0.0308**	**38,407.3718**

	ROG	NOx	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	**3.77**	**10.24**	**13.78**	**22.15**	**24.25**	**10.44**	**24.05**	**24.25**	**10.05**	**23.54**	**0.00**	**21.81**	**21.81**	**18.22**	**0.00**	**21.80**

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	5/22/2023	8/11/2023	5	60	
2	Site Preparation	Site Preparation	8/12/2023	10/6/2023	5	40	
3	Grading	Grading	10/7/2023	2/9/2024	5	90	
4	Building Construction	Building Construction	2/10/2024	3/20/2026	5	550	
5	Paving	Paving	3/21/2026	5/8/2026	5	35	
6	Architectural Coating	Architectural Coating	6/2/2025	3/20/2026	5	210	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.77

Residential Indoor: 1,072,997; Residential Outdoor: 357,666; Non-Residential Indoor: 79,482; Non-Residential Outdoor: 26,494; Striped Parking Area: 4,626 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, 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	477.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	443.00	83.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	89.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					1.7219	0.0000	1.7219	0.2607	0.0000	0.2607			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**1.7219**	**0.9975**	**2.7194**	**0.2607**	**0.9280**	**1.1887**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

3.2 Demolition - 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	0.0373	1.2079	0.4035	5.6600e-003	0.1389	2.2900e-003	0.1412	0.0381	2.1900e-003	0.0403		614.2610	614.2610	0.0411		615.2892
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	0.0614	0.0367	0.4320	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		144.1945	144.1945	3.3900e-003		144.2792
Total	**0.0987**	**1.2446**	**0.8355**	**7.1100e-003**	**0.3066**	**3.4600e-003**	**0.3100**	**0.0825**	**3.2700e-003**	**0.0858**		**758.4555**	**758.4555**	**0.0445**		**759.5683**

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					0.7749	0.0000	0.7749	0.1173	0.0000	0.1173			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.7749**	**0.9975**	**1.7724**	**0.1173**	**0.9280**	**1.0453**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

3.2 Demolition - 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	0.0373	1.2079	0.4035	5.6600e-003	0.1389	2.2900e-003	0.1412	0.0381	2.1900e-003	0.0403		614.2610	614.2610	0.0411		615.2892
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	0.0614	0.0367	0.4320	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		144.1945	144.1945	3.3900e-003		144.2792
Total	**0.0987**	**1.2446**	**0.8355**	**7.1100e-003**	**0.3066**	**3.4600e-003**	**0.3100**	**0.0825**	**3.2700e-003**	**0.0858**		**758.4555**	**758.4555**	**0.0445**		**759.5683**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**18.0663**	**1.2660**	**19.3323**	**9.9307**	**1.1647**	**11.0954**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0736	0.0441	0.5184	1.7400e-003	0.2012	1.4000e-003	0.2026	0.0534	1.2900e-003	0.0547		173.0334	173.0334	4.0600e-003		173.1350
Total	**0.0736**	**0.0441**	**0.5184**	**1.7400e-003**	**0.2012**	**1.4000e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**173.0334**	**173.0334**	**4.0600e-003**		**173.1350**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**8.1298**	**1.2660**	**9.3958**	**4.4688**	**1.1647**	**5.6336**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0736	0.0441	0.5184	1.7400e-003	0.2012	1.4000e-003	0.2026	0.0534	1.2900e-003	0.0547		173.0334	173.0334	4.0600e-003		173.1350
Total	**0.0736**	**0.0441**	**0.5184**	**1.7400e-003**	**0.2012**	**1.4000e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**173.0334**	**173.0334**	**4.0600e-003**		**173.1350**

3.4 Grading - 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					
Fugitive Dust					6.9058	0.0000	6.9058	3.4057	0.0000	3.4057			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**6.9058**	**1.4245**	**8.3303**	**3.4057**	**1.3105**	**4.7162**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 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	0.0000	0.0000	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	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
Total	**0.0818**	**0.0490**	**0.5760**	**1.9300e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**192.2593**	**192.2593**	**4.5200e-003**		**192.3722**

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					3.1076	0.0000	3.1076	1.5325	0.0000	1.5325			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**3.1076**	**1.4245**	**4.5321**	**1.5325**	**1.3105**	**2.8431**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 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	0.0000	0.0000	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	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
Total	**0.0818**	**0.0490**	**0.5760**	**1.9300e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**192.2593**	**192.2593**	**4.5200e-003**		**192.3722**

3.4 Grading - 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					
Fugitive Dust					6.9058	0.0000	6.9058	3.4057	0.0000	3.4057			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**6.9058**	**1.3354**	**8.2412**	**3.4057**	**1.2286**	**4.6342**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Grading - 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	0.0000	0.0000	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	0.0777	0.0446	0.5370	1.8600e-003	0.2236	1.5400e-003	0.2251	0.0593	1.4100e-003	0.0607		185.9245	185.9245	4.1400e-003		186.0279
Total	**0.0777**	**0.0446**	**0.5370**	**1.8600e-003**	**0.2236**	**1.5400e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**185.9245**	**185.9245**	**4.1400e-003**		**186.0279**

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					3.1076	0.0000	3.1076	1.5325	0.0000	1.5325			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.1076**	**1.3354**	**4.4430**	**1.5325**	**1.2286**	**2.7611**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Grading - 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	0.0000	0.0000	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	0.0777	0.0446	0.5370	1.8600e-003	0.2236	1.5400e-003	0.2251	0.0593	1.4100e-003	0.0607		185.9245	185.9245	4.1400e-003		186.0279
Total	**0.0777**	**0.0446**	**0.5370**	**1.8600e-003**	**0.2236**	**1.5400e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**185.9245**	**185.9245**	**4.1400e-003**		**186.0279**

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	0.1665	5.6321	1.7073	0.0197	0.5312	6.6000e-003	0.5378	0.1529	6.3100e-003	0.1592		2,104.0212	2,104.0212	0.1203		2,107.0298
Worker	1.7201	0.9879	11.8950	0.0413	4.9517	0.0340	4.9857	1.3132	0.0313	1.3445		4,118.2278	4,118.2278	0.0916		4,120.5176
Total	**1.8867**	**6.6199**	**13.6023**	**0.0610**	**5.4829**	**0.0406**	**5.5235**	**1.4661**	**0.0376**	**1.5038**		**6,222.2490**	**6,222.2490**	**0.2119**		**6,227.5475**

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	0.1665	5.6321	1.7073	0.0197	0.5312	6.6000e-003	0.5378	0.1529	6.3100e-003	0.1592		2,104.0212	2,104.0212	0.1203		2,107.0298
Worker	1.7201	0.9879	11.8950	0.0413	4.9517	0.0340	4.9857	1.3132	0.0313	1.3445		4,118.2278	4,118.2278	0.0916		4,120.5176
Total	**1.8867**	**6.6199**	**13.6023**	**0.0610**	**5.4829**	**0.0406**	**5.5235**	**1.4661**	**0.0376**	**1.5038**		**6,222.2490**	**6,222.2490**	**0.2119**		**6,227.5475**

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	0.1623	5.5828	1.6627	0.0195	0.5312	6.4800e-003	0.5377	0.1529	6.1900e-003	0.1591		2,092.4172	2,092.4172	0.1183		2,095.3750
Worker	1.6385	0.9031	11.0442	0.0397	4.9517	0.0334	4.9851	1.3132	0.0307	1.3439		3,956.0055	3,956.0055	0.0834		3,958.0913
Total	**1.8008**	**6.4860**	**12.7068**	**0.0592**	**5.4829**	**0.0399**	**5.5228**	**1.4661**	**0.0369**	**1.5031**		**6,048.4227**	**6,048.4227**	**0.2017**		**6,053.4663**

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	0.1623	5.5828	1.6627	0.0195	0.5312	6.4800e-003	0.5377	0.1529	6.1900e-003	0.1591		2,092.4172	2,092.4172	0.1183		2,095.3750
Worker	1.6385	0.9031	11.0442	0.0397	4.9517	0.0334	4.9851	1.3132	0.0307	1.3439		3,956.0055	3,956.0055	0.0834		3,958.0913
Total	**1.8008**	**6.4860**	**12.7068**	**0.0592**	**5.4829**	**0.0399**	**5.5228**	**1.4661**	**0.0369**	**1.5031**		**6,048.4227**	**6,048.4227**	**0.2017**		**6,053.4663**

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	0.1586	5.5306	1.6282	0.0194	0.5312	6.3400e-003	0.5376	0.1529	6.0600e-003	0.1590		2,081.3101	2,081.3101	0.1163		2,084.2176
Worker	1.5683	0.8313	10.3191	0.0383	4.9517	0.0323	4.9840	1.3132	0.0297	1.3429		3,815.7240	3,815.7240	0.0764		3,817.6341
Total	**1.7269**	**6.3619**	**11.9473**	**0.0577**	**5.4829**	**0.0386**	**5.5215**	**1.4661**	**0.0358**	**1.5019**		**5,897.0341**	**5,897.0341**	**0.1927**		**5,901.8517**

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	0.1586	5.5306	1.6282	0.0194	0.5312	6.3400e-003	0.5376	0.1529	6.0600e-003	0.1590		2,081.3101	2,081.3101	0.1163		2,084.2176
Worker	1.5683	0.8313	10.3191	0.0383	4.9517	0.0323	4.9840	1.3132	0.0297	1.3429		3,815.7240	3,815.7240	0.0764		3,817.6341
Total	**1.7269**	**6.3619**	**11.9473**	**0.0577**	**5.4829**	**0.0386**	**5.5215**	**1.4661**	**0.0358**	**1.5019**		**5,897.0341**	**5,897.0341**	**0.1927**		**5,901.8517**

3.6 Paving - 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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0477**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.6 Paving - 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	0.0000	0.0000	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	0.0531	0.0282	0.3494	1.3000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		129.2006	129.2006	2.5900e-003		129.2653
Total	**0.0531**	**0.0282**	**0.3494**	**1.3000e-003**	**0.1677**	**1.0900e-003**	**0.1688**	**0.0445**	**1.0100e-003**	**0.0455**		**129.2006**	**129.2006**	**2.5900e-003**		**129.2653**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0477**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.6 Paving - 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	0.0000	0.0000	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	0.0531	0.0282	0.3494	1.3000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		129.2006	129.2006	2.5900e-003		129.2653
Total	**0.0531**	**0.0282**	**0.3494**	**1.3000e-003**	**0.1677**	**1.0900e-003**	**0.1688**	**0.0445**	**1.0100e-003**	**0.0455**		**129.2006**	**129.2006**	**2.5900e-003**		**129.2653**

3.7 Architectural Coating - 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					
Archit. Coating	17.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**17.2309**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.3292	0.1814	2.2188	7.9700e-003	0.9948	6.7100e-003	1.0015	0.2638	6.1700e-003	0.2700		794.7731	794.7731	0.0168		795.1922
Total	**0.3292**	**0.1814**	**2.2188**	**7.9700e-003**	**0.9948**	**6.7100e-003**	**1.0015**	**0.2638**	**6.1700e-003**	**0.2700**		**794.7731**	**794.7731**	**0.0168**		**795.1922**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**17.2309**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.3292	0.1814	2.2188	7.9700e-003	0.9948	6.7100e-003	1.0015	0.2638	6.1700e-003	0.2700		794.7731	794.7731	0.0168		795.1922
Total	**0.3292**	**0.1814**	**2.2188**	**7.9700e-003**	**0.9948**	**6.7100e-003**	**1.0015**	**0.2638**	**6.1700e-003**	**0.2700**		**794.7731**	**794.7731**	**0.0168**		**795.1922**

3.7 Architectural Coating - 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					
Archit. Coating	17.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**17.2309**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.3151	0.1670	2.0731	7.6800e-003	0.9948	6.4800e-003	1.0013	0.2638	5.9700e-003	0.2698		766.5901	766.5901	0.0154		766.9739
Total	**0.3151**	**0.1670**	**2.0731**	**7.6800e-003**	**0.9948**	**6.4800e-003**	**1.0013**	**0.2638**	**5.9700e-003**	**0.2698**		**766.5901**	**766.5901**	**0.0154**		**766.9739**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**17.2309**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.3151	0.1670	2.0731	7.6800e-003	0.9948	6.4800e-003	1.0013	0.2638	5.9700e-003	0.2698		766.5901	766.5901	0.0154		766.9739
Total	**0.3151**	**0.1670**	**2.0731**	**7.6800e-003**	**0.9948**	**6.4800e-003**	**1.0013**	**0.2638**	**5.9700e-003**	**0.2698**		**766.5901**	**766.5901**	**0.0154**		**766.9739**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.4179	37.8151	82.9015	0.3575	34.7560	0.2563	35.0123	9.2967	0.2380	9.5346		36,598.2832	36,598.2832	1.6423		36,639.3418
Unmitigated	8.2579	42.3355	103.2322	0.4622	45.8849	0.3268	46.2117	12.2735	0.3035	12.5770		47,295.9692	47,295.9692	2.0322		47,346.7750

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,883.20	3,386.70	3105.80	10,200,613	7,726,556
City Park	0.00	0.00	0.00		
General Office Building	2,221.26	65.18	27.82	5,154,006	3,903,953
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,000.15	1,323.91	668.71	2,160,791	1,636,713
Total	6,104.61	4,775.78	3,802.33	17,515,410	13,267,222

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
City Park	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
General Office Building	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
Other Asphalt Surfaces	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
Regional Shopping Center	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1538	1.3191	0.5969	8.3900e-003		0.1062	0.1062		0.1062	0.1062		1,677.4314	1,677.4314	0.0322	0.0308	1,687.3995
NaturalGas Unmitigated	0.1538	1.3191	0.5969	8.3900e-003		0.1062	0.1062		0.1062	0.1062		1,677.4314	1,677.4314	0.0322	0.0308	1,687.3995

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	13383.5	0.1443	1.2334	0.5248	7.8700e-003		0.0997	0.0997		0.0997	0.0997		1,574.5296	1,574.5296	0.0302	0.0289	1,583.8863
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
General Office Building	755.623	8.1500e-003	0.0741	0.0622	4.4000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003		88.8969	88.8969	1.7000e-003	1.6300e-003	89.4251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	119.042	1.2800e-003	0.0117	9.8000e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0049	14.0049	2.7000e-004	2.6000e-004	14.0881
Total		**0.1538**	**1.3191**	**0.5969**	**8.3800e-003**		**0.1062**	**0.1062**		**0.1062**	**0.1062**		**1,677.4314**	**1,677.4314**	**0.0322**	**0.0308**	**1,687.3995**

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	13.3835	0.1443	1.2334	0.5248	7.8700e-003		0.0997	0.0997		0.0997	0.0997		1,574.5296	1,574.5296	0.0302	0.0289	1,583.8863
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
General Office Building	0.755623	8.1500e-003	0.0741	0.0622	4.4000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003		88.8969	88.8969	1.7000e-003	1.6300e-003	89.4251
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.119042	1.2800e-003	0.0117	9.8000e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0049	14.0049	2.7000e-004	2.6000e-004	14.0881
Total		**0.1538**	**1.3191**	**0.5969**	**8.3800e-003**		**0.1062**	**0.1062**		**0.1062**	**0.1062**		**1,677.4314**	**1,677.4314**	**0.0322**	**0.0308**	**1,687.3995**

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	13.8631	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424	0.0000	78.7449	78.7449	0.0754	0.0000	80.6305
Unmitigated	13.8631	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424	0.0000	78.7449	78.7449	0.0754	0.0000	80.6305

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.5695					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	1.3121	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424		78.7449	78.7449	0.0754		80.6305
Total	**13.8631**	**0.5032**	**43.6899**	**2.3100e-003**		**0.2424**	**0.2424**		**0.2424**	**0.2424**	**0.0000**	**78.7449**	**78.7449**	**0.0754**	**0.0000**	**80.6305**

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	0.9815					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.5695					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	1.3121	0.5032	43.6899	2.3100e-003		0.2424	0.2424		0.2424	0.2424		78.7449	78.7449	0.0754		80.6305
Total	**13.8631**	**0.5032**	**43.6899**	**2.3100e-003**		**0.2424**	**0.2424**		**0.2424**	**0.2424**	**0.0000**	**78.7449**	**78.7449**	**0.0754**	**0.0000**	**80.6305**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 1 and 2)

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.49	1000sqft	0.00	26,494.00	0
Other Asphalt Surfaces	1.77	Acre	1.77	77,101.20	0
City Park	0.66	Acre	0.66	28,749.60	0
Apartments Mid Rise	530.00	Dwelling Unit	8.17	529,875.00	1516
Regional Shopping Center	26.49	1000sqft	0.00	26,494.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2027
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	30.00	90.00
tblConstructionPhase	NumDays	300.00	550.00
tblConstructionPhase	NumDays	20.00	210.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	6/16/2023	8/11/2023
tblConstructionPhase	PhaseEndDate	6/30/2023	10/6/2023
tblConstructionPhase	PhaseEndDate	8/11/2023	2/9/2024

tblConstructionPhase	PhaseEndDate	10/4/2024	3/20/2026
tblConstructionPhase	PhaseEndDate	11/29/2024	3/20/2026
tblConstructionPhase	PhaseEndDate	11/1/2024	5/8/2026
tblConstructionPhase	PhaseStartDate	6/17/2023	8/12/2023
tblConstructionPhase	PhaseStartDate	7/1/2023	10/7/2023
tblConstructionPhase	PhaseStartDate	8/12/2023	2/10/2024
tblConstructionPhase	PhaseStartDate	11/2/2024	6/2/2025
tblConstructionPhase	PhaseStartDate	10/5/2024	3/21/2026
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	53.00	0.00
tblFireplaces	NumberWood	26.50	0.00
tblGrading	AcresOfGrading	225.00	75.00
tblLandUse	LandUseSquareFeet	530,000.00	529,875.00
tblLandUse	LotAcreage	0.61	0.00
tblLandUse	LotAcreage	13.95	8.17
tblLandUse	LotAcreage	0.61	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	26.50	0.00
tblWoodstoves	NumberNoncatalytic	26.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2272	2.2709	1.8493	4.1000e-003	0.6530	0.0982	0.7511	0.3153	0.0906	0.4059	0.0000	361.8908	361.8908	0.1045	0.0000	364.5034
2024	0.4182	2.8268	3.9110	0.0113	0.7579	0.0959	0.8538	0.2221	0.0897	0.3118	0.0000	1,019.2994	1,019.2994	0.1122	0.0000	1,022.1034
2025	1.7318	2.5898	4.1057	0.0122	0.7772	0.0785	0.8557	0.2080	0.0740	0.2820	0.0000	1,106.5869	1,106.5869	0.0970	0.0000	1,109.0118
2026	0.6017	0.7279	1.1799	3.1700e-003	0.1841	0.0251	0.2093	0.0492	0.0236	0.0728	0.0000	285.7217	285.7217	0.0326	0.0000	286.5374
Maximum	**1.7318**	**2.8268**	**4.1057**	**0.0122**	**0.7772**	**0.0982**	**0.8557**	**0.3153**	**0.0906**	**0.4059**	**0.0000**	**1,106.5869**	**1,106.5869**	**0.1122**	**0.0000**	**1,109.0118**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2272	2.2709	1.8493	4.1000e-003	0.3046	0.0982	0.4028	0.1448	0.0906	0.2354	0.0000	361.8905	361.8905	0.1045	0.0000	364.5030
2024	0.4182	2.8268	3.9110	0.0113	0.6863	0.0959	0.7822	0.1924	0.0897	0.2821	0.0000	1,019.2990	1,019.2990	0.1122	0.0000	1,022.1029
2025	1.7318	2.5898	4.1057	0.0122	0.7772	0.0785	0.8557	0.2080	0.0740	0.2820	0.0000	1,106.5865	1,106.5865	0.0970	0.0000	1,109.0114
2026	0.6017	0.7279	1.1799	3.1700e-003	0.1841	0.0251	0.2093	0.0492	0.0236	0.0728	0.0000	285.7215	285.7215	0.0326	0.0000	286.5373
Maximum	**1.7318**	**2.8268**	**4.1057**	**0.0122**	**0.7772**	**0.0982**	**0.8557**	**0.2080**	**0.0906**	**0.2821**	**0.0000**	**1,106.5865**	**1,106.5865**	**0.1122**	**0.0000**	**1,109.0114**

	ROG	NOx	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**	**17.70**	**0.00**	**15.73**	**25.20**	**0.00**	**18.67**	**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	**5-22-2023**	**8-21-2023**	0.8427	0.8427
2	**8-22-2023**	**11-21-2023**	1.1214	1.1214
3	**11-22-2023**	**2-21-2024**	1.1530	1.1530
4	**2-22-2024**	**5-21-2024**	0.7489	0.7489
5	**5-22-2024**	**8-21-2024**	0.7624	0.7624
6	**8-22-2024**	**11-21-2024**	0.7665	0.7665
7	**11-22-2024**	**2-21-2025**	0.7455	0.7455
8	**2-22-2025**	**5-21-2025**	0.6995	0.6995

9	**5-22-2025**	**8-21-2025**	1.2652	1.2652
10	**8-22-2025**	**11-21-2025**	1.3439	1.3439
11	**11-22-2025**	**2-21-2026**	1.3433	1.3433
12	**2-22-2026**	**5-21-2026**	0.5631	0.5631
		Highest	1.3439	1.3439

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	2.4546	0.0629	5.4612	2.9000e-004		0.0303	0.0303		0.0303	0.0303	0.0000	8.9295	8.9295	8.5500e-003	0.0000	9.1434
Energy	0.0281	0.2407	0.1089	1.5300e-003		0.0194	0.0194		0.0194	0.0194	0.0000	1,170.0706	1,170.0706	0.0422	0.0127	1,174.9133
Mobile	1.1888	6.3278	15.4703	0.0693	6.6537	0.0481	6.7017	1.7825	0.0446	1.8271	0.0000	6,427.0771	6,427.0771	0.2697	0.0000	6,433.8203
Waste						0.0000	0.0000		0.0000	0.0000	60.1483	0.0000	60.1483	3.5547	0.0000	149.0148
Water						0.0000	0.0000		0.0000	0.0000	13.0715	265.2563	278.3278	1.3535	0.0340	322.2878
Total	**3.6715**	**6.6315**	**21.0405**	**0.0711**	**6.6537**	**0.0978**	**6.7514**	**1.7825**	**0.0943**	**1.8768**	**73.2197**	**7,871.3334**	**7,944.5532**	**5.2286**	**0.0467**	**8,089.1796**

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	2.4546	0.0629	5.4612	2.9000e-004		0.0303	0.0303		0.0303	0.0303	0.0000	8.9295	8.9295	8.5500e-003	0.0000	9.1434
Energy	0.0281	0.2407	0.1089	1.5300e-003		0.0194	0.0194		0.0194	0.0194	0.0000	1,170.0706	1,170.0706	0.0422	0.0127	1,174.9133
Mobile	1.0639	5.6468	12.3798	0.0536	5.0399	0.0377	5.0775	1.3501	0.0350	1.3851	0.0000	4,977.8074	4,977.8074	0.2172	0.0000	4,983.2383
Waste						0.0000	0.0000		0.0000	0.0000	60.1483	0.0000	60.1483	3.5547	0.0000	149.0148
Water						0.0000	0.0000		0.0000	0.0000	10.4572	231.0688	241.5260	1.0836	0.0273	276.7615
Total	**3.5465**	**5.9505**	**17.9499**	**0.0554**	**5.0399**	**0.0874**	**5.1272**	**1.3501**	**0.0847**	**1.4348**	**70.6054**	**6,387.8763**	**6,458.4818**	**4.9062**	**0.0400**	**6,593.0712**

	ROG	NOx	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	**3.40**	**10.27**	**14.69**	**22.02**	**24.25**	**10.65**	**24.06**	**24.25**	**10.25**	**23.55**	**3.57**	**18.85**	**18.71**	**6.17**	**14.22**	**18.50**

3.0 Construction Detail

Construction Phase

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/22/2023	8/11/2023	5	60	
2	Site Preparation	Site Preparation	8/12/2023	10/6/2023	5	40	
3	Grading	Grading	10/7/2023	2/9/2024	5	90	
4	Building Construction	Building Construction	2/10/2024	3/20/2026	5	550	
5	Paving	Paving	3/21/2026	5/8/2026	5	35	
6	Architectural Coating	Architectural Coating	6/2/2025	3/20/2026	5	210	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.77

Residential Indoor: 1,072,997; Residential Outdoor: 357,666; Non-Residential Indoor: 79,482; Non-Residential Outdoor: 26,494; Striped Parking Area: 4,626 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 1 and 2) - South Coast AQMD Air District, 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	477.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	443.00	83.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	89.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0517	0.0000	0.0517	7.8200e-003	0.0000	7.8200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0681	0.6445	0.5893	1.1600e-003		0.0299	0.0299		0.0278	0.0278	0.0000	101.9762	101.9762	0.0286	0.0000	102.6902
Total	**0.0681**	**0.6445**	**0.5893**	**1.1600e-003**	**0.0517**	**0.0299**	**0.0816**	**7.8200e-003**	**0.0278**	**0.0357**	**0.0000**	**101.9762**	**101.9762**	**0.0286**	**0.0000**	**102.6902**

3.2 Demolition - 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	1.1000e-003	0.0369	0.0118	1.7000e-004	4.1000e-003	7.0000e-005	4.1700e-003	1.1300e-003	6.0000e-005	1.1900e-003	0.0000	16.9004	16.9004	1.1000e-003	0.0000	16.9279
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	1.6600e-003	1.1300e-003	0.0134	4.0000e-005	4.9400e-003	4.0000e-005	4.9700e-003	1.3100e-003	3.0000e-005	1.3400e-003	0.0000	3.9917	3.9917	9.0000e-005	0.0000	3.9940
Total	**2.7600e-003**	**0.0380**	**0.0251**	**2.1000e-004**	**9.0400e-003**	**1.1000e-004**	**9.1400e-003**	**2.4400e-003**	**9.0000e-005**	**2.5300e-003**	**0.0000**	**20.8921**	**20.8921**	**1.1900e-003**	**0.0000**	**20.9219**

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					0.0233	0.0000	0.0233	3.5200e-003	0.0000	3.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0681	0.6445	0.5893	1.1600e-003		0.0299	0.0299		0.0278	0.0278	0.0000	101.9761	101.9761	0.0286	0.0000	102.6901
Total	**0.0681**	**0.6445**	**0.5893**	**1.1600e-003**	**0.0233**	**0.0299**	**0.0532**	**3.5200e-003**	**0.0278**	**0.0314**	**0.0000**	**101.9761**	**101.9761**	**0.0286**	**0.0000**	**102.6901**

3.2 Demolition - 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	1.1000e-003	0.0369	0.0118	1.7000e-004	4.1000e-003	7.0000e-005	4.1700e-003	1.1300e-003	6.0000e-005	1.1900e-003	0.0000	16.9004	16.9004	1.1000e-003	0.0000	16.9279
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	1.6600e-003	1.1300e-003	0.0134	4.0000e-005	4.9400e-003	4.0000e-005	4.9700e-003	1.3100e-003	3.0000e-005	1.3400e-003	0.0000	3.9917	3.9917	9.0000e-005	0.0000	3.9940
Total	**2.7600e-003**	**0.0380**	**0.0251**	**2.1000e-004**	**9.0400e-003**	**1.1000e-004**	**9.1400e-003**	**2.4400e-003**	**9.0000e-005**	**2.5300e-003**	**0.0000**	**20.8921**	**20.8921**	**1.1900e-003**	**0.0000**	**20.9219**

3.3 Site Preparation - 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					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0532	0.5505	0.3649	7.6000e-004		0.0253	0.0253		0.0233	0.0233	0.0000	66.9014	66.9014	0.0216	0.0000	67.4423
Total	**0.0532**	**0.5505**	**0.3649**	**7.6000e-004**	**0.3613**	**0.0253**	**0.3867**	**0.1986**	**0.0233**	**0.2219**	**0.0000**	**66.9014**	**66.9014**	**0.0216**	**0.0000**	**67.4423**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	1.3300e-003	9.1000e-004	0.0107	4.0000e-005	3.9500e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0700e-003	0.0000	3.1933	3.1933	8.0000e-005	0.0000	3.1952
Total	**1.3300e-003**	**9.1000e-004**	**0.0107**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9800e-003**	**1.0500e-003**	**3.0000e-005**	**1.0700e-003**	**0.0000**	**3.1933**	**3.1933**	**8.0000e-005**	**0.0000**	**3.1952**

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					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0532	0.5505	0.3649	7.6000e-004		0.0253	0.0253		0.0233	0.0233	0.0000	66.9013	66.9013	0.0216	0.0000	67.4422
Total	**0.0532**	**0.5505**	**0.3649**	**7.6000e-004**	**0.1626**	**0.0253**	**0.1879**	**0.0894**	**0.0233**	**0.1127**	**0.0000**	**66.9013**	**66.9013**	**0.0216**	**0.0000**	**67.4422**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	1.3300e-003	9.1000e-004	0.0107	4.0000e-005	3.9500e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0700e-003	0.0000	3.1933	3.1933	8.0000e-005	0.0000	3.1952
Total	**1.3300e-003**	**9.1000e-004**	**0.0107**	**4.0000e-005**	**3.9500e-003**	**3.0000e-005**	**3.9800e-003**	**1.0500e-003**	**3.0000e-005**	**1.0700e-003**	**0.0000**	**3.1933**	**3.1933**	**8.0000e-005**	**0.0000**	**3.1952**

3.4 Grading - 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					
Fugitive Dust					0.2204	0.0000	0.2204	0.1036	0.0000	0.1036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0997	1.0355	0.8415	1.8600e-003		0.0427	0.0427		0.0393	0.0393	0.0000	163.6056	163.6056	0.0529	0.0000	164.9285
Total	**0.0997**	**1.0355**	**0.8415**	**1.8600e-003**	**0.2204**	**0.0427**	**0.2632**	**0.1036**	**0.0393**	**0.1429**	**0.0000**	**163.6056**	**163.6056**	**0.0529**	**0.0000**	**164.9285**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	2.2100e-003	1.5100e-003	0.0178	6.0000e-005	6.5800e-003	5.0000e-005	6.6300e-003	1.7500e-003	4.0000e-005	1.7900e-003	0.0000	5.3222	5.3222	1.3000e-004	0.0000	5.3253
Total	**2.2100e-003**	**1.5100e-003**	**0.0178**	**6.0000e-005**	**6.5800e-003**	**5.0000e-005**	**6.6300e-003**	**1.7500e-003**	**4.0000e-005**	**1.7900e-003**	**0.0000**	**5.3222**	**5.3222**	**1.3000e-004**	**0.0000**	**5.3253**

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					0.0992	0.0000	0.0992	0.0466	0.0000	0.0466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0997	1.0355	0.8415	1.8600e-003		0.0427	0.0427		0.0393	0.0393	0.0000	163.6054	163.6054	0.0529	0.0000	164.9283
Total	**0.0997**	**1.0355**	**0.8415**	**1.8600e-003**	**0.0992**	**0.0427**	**0.1419**	**0.0466**	**0.0393**	**0.0859**	**0.0000**	**163.6054**	**163.6054**	**0.0529**	**0.0000**	**164.9283**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	2.2100e-003	1.5100e-003	0.0178	6.0000e-005	6.5800e-003	5.0000e-005	6.6300e-003	1.7500e-003	4.0000e-005	1.7900e-003	0.0000	5.3222	5.3222	1.3000e-004	0.0000	5.3253
Total	**2.2100e-003**	**1.5100e-003**	**0.0178**	**6.0000e-005**	**6.5800e-003**	**5.0000e-005**	**6.6300e-003**	**1.7500e-003**	**4.0000e-005**	**1.7900e-003**	**0.0000**	**5.3222**	**5.3222**	**1.3000e-004**	**0.0000**	**5.3253**

3.4 Grading - 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					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0483	0.4857	0.4158	9.3000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	81.7793	81.7793	0.0265	0.0000	82.4405
Total	**0.0483**	**0.4857**	**0.4158**	**9.3000e-004**	**0.1301**	**0.0200**	**0.1501**	**0.0540**	**0.0184**	**0.0724**	**0.0000**	**81.7793**	**81.7793**	**0.0265**	**0.0000**	**82.4405**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	1.0500e-003	6.9000e-004	8.3000e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.5735	2.5735	6.0000e-005	0.0000	2.5750
Total	**1.0500e-003**	**6.9000e-004**	**8.3000e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.5735**	**2.5735**	**6.0000e-005**	**0.0000**	**2.5750**

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					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0483	0.4857	0.4158	9.3000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	81.7792	81.7792	0.0265	0.0000	82.4404
Total	**0.0483**	**0.4857**	**0.4158**	**9.3000e-004**	**0.0586**	**0.0200**	**0.0786**	**0.0243**	**0.0184**	**0.0427**	**0.0000**	**81.7792**	**81.7792**	**0.0265**	**0.0000**	**82.4404**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	1.0500e-003	6.9000e-004	8.3000e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.5735	2.5735	6.0000e-005	0.0000	2.5750
Total	**1.0500e-003**	**6.9000e-004**	**8.3000e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.5735**	**2.5735**	**6.0000e-005**	**0.0000**	**2.5750**

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	0.1707	1.5595	1.8754	3.1300e-003		0.0711	0.0711		0.0669	0.0669	0.0000	268.9450	268.9450	0.0636	0.0000	270.5349
Total	**0.1707**	**1.5595**	**1.8754**	**3.1300e-003**		**0.0711**	**0.0711**		**0.0669**	**0.0669**	**0.0000**	**268.9450**	**268.9450**	**0.0636**	**0.0000**	**270.5349**

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	0.0188	0.6631	0.1895	2.3200e-003	0.0607	7.5000e-004	0.0614	0.0175	7.1000e-004	0.0182	0.0000	225.1732	225.1732	0.0122	0.0000	225.4792
Worker	0.1794	0.1179	1.4221	4.8700e-003	0.5638	3.9500e-003	0.5677	0.1497	3.6300e-003	0.1534	0.0000	440.8284	440.8284	9.8200e-003	0.0000	441.0738
Total	**0.1982**	**0.7810**	**1.6115**	**7.1900e-003**	**0.6245**	**4.7000e-003**	**0.6292**	**0.1672**	**4.3400e-003**	**0.1716**	**0.0000**	**666.0017**	**666.0017**	**0.0221**	**0.0000**	**666.5530**

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	0.1707	1.5595	1.8754	3.1300e-003		0.0711	0.0711		0.0669	0.0669	0.0000	268.9446	268.9446	0.0636	0.0000	270.5346
Total	**0.1707**	**1.5595**	**1.8754**	**3.1300e-003**		**0.0711**	**0.0711**		**0.0669**	**0.0669**	**0.0000**	**268.9446**	**268.9446**	**0.0636**	**0.0000**	**270.5346**

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	0.0188	0.6631	0.1895	2.3200e-003	0.0607	7.5000e-004	0.0614	0.0175	7.1000e-004	0.0182	0.0000	225.1732	225.1732	0.0122	0.0000	225.4792
Worker	0.1794	0.1179	1.4221	4.8700e-003	0.5638	3.9500e-003	0.5677	0.1497	3.6300e-003	0.1534	0.0000	440.8284	440.8284	9.8200e-003	0.0000	441.0738
Total	**0.1982**	**0.7810**	**1.6115**	**7.1900e-003**	**0.6245**	**4.7000e-003**	**0.6292**	**0.1672**	**4.3400e-003**	**0.1716**	**0.0000**	**666.0017**	**666.0017**	**0.0221**	**0.0000**	**666.5530**

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	0.0206	0.7394	0.2075	2.5900e-003	0.0683	8.3000e-004	0.0691	0.0197	7.9000e-004	0.0205	0.0000	251.8976	251.8976	0.0135	0.0000	252.2362
Worker	0.1920	0.1212	1.4857	5.2700e-003	0.6343	4.3600e-003	0.6386	0.1685	4.0100e-003	0.1725	0.0000	476.3965	476.3965	0.0101	0.0000	476.6479
Total	**0.2125**	**0.8606**	**1.6932**	**7.8600e-003**	**0.7025**	**5.1900e-003**	**0.7077**	**0.1882**	**4.8000e-003**	**0.1930**	**0.0000**	**728.2941**	**728.2941**	**0.0236**	**0.0000**	**728.8841**

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	0.0206	0.7394	0.2075	2.5900e-003	0.0683	8.3000e-004	0.0691	0.0197	7.9000e-004	0.0205	0.0000	251.8976	251.8976	0.0135	0.0000	252.2362
Worker	0.1920	0.1212	1.4857	5.2700e-003	0.6343	4.3600e-003	0.6386	0.1685	4.0100e-003	0.1725	0.0000	476.3965	476.3965	0.0101	0.0000	476.6479
Total	**0.2125**	**0.8606**	**1.6932**	**7.8600e-003**	**0.7025**	**5.1900e-003**	**0.7077**	**0.1882**	**4.8000e-003**	**0.1930**	**0.0000**	**728.2941**	**728.2941**	**0.0236**	**0.0000**	**728.8841**

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	0.0390	0.3554	0.4584	7.7000e-004		0.0150	0.0150		0.0141	0.0141	0.0000	66.0970	66.0970	0.0155	0.0000	66.4855
Total	**0.0390**	**0.3554**	**0.4584**	**7.7000e-004**		**0.0150**	**0.0150**		**0.0141**	**0.0141**	**0.0000**	**66.0970**	**66.0970**	**0.0155**	**0.0000**	**66.4855**

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	4.3900e-003	0.1599	0.0444	5.6000e-004	0.0149	1.8000e-004	0.0151	4.3000e-003	1.7000e-004	4.4700e-003	0.0000	54.7147	54.7147	2.9100e-003	0.0000	54.7874
Worker	0.0401	0.0244	0.3032	1.1100e-003	0.1385	9.2000e-004	0.1394	0.0368	8.5000e-004	0.0376	0.0000	100.3520	100.3520	2.0100e-003	0.0000	100.4023
Total	**0.0445**	**0.1843**	**0.3476**	**1.6700e-003**	**0.1534**	**1.1000e-003**	**0.1545**	**0.0411**	**1.0200e-003**	**0.0421**	**0.0000**	**155.0667**	**155.0667**	**4.9200e-003**	**0.0000**	**155.1897**

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	0.0390	0.3554	0.4584	7.7000e-004		0.0150	0.0150		0.0141	0.0141	0.0000	66.0970	66.0970	0.0155	0.0000	66.4854
Total	**0.0390**	**0.3554**	**0.4584**	**7.7000e-004**		**0.0150**	**0.0150**		**0.0141**	**0.0141**	**0.0000**	**66.0970**	**66.0970**	**0.0155**	**0.0000**	**66.4854**

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	4.3900e-003	0.1599	0.0444	5.6000e-004	0.0149	1.8000e-004	0.0151	4.3000e-003	1.7000e-004	4.4700e-003	0.0000	54.7147	54.7147	2.9100e-003	0.0000	54.7874
Worker	0.0401	0.0244	0.3032	1.1100e-003	0.1385	9.2000e-004	0.1394	0.0368	8.5000e-004	0.0376	0.0000	100.3520	100.3520	2.0100e-003	0.0000	100.4023
Total	**0.0445**	**0.1843**	**0.3476**	**1.6700e-003**	**0.1534**	**1.1000e-003**	**0.1545**	**0.0411**	**1.0200e-003**	**0.0421**	**0.0000**	**155.0667**	**155.0667**	**4.9200e-003**	**0.0000**	**155.1897**

3.6 Paving - 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	0.0160	0.1502	0.2551	4.0000e-004		7.3200e-003	7.3200e-003		6.7400e-003	6.7400e-003	0.0000	35.0337	35.0337	0.0113	0.0000	35.3170
Paving	2.3200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0183**	**0.1502**	**0.2551**	**4.0000e-004**		**7.3200e-003**	**7.3200e-003**		**6.7400e-003**	**6.7400e-003**	**0.0000**	**35.0337**	**35.0337**	**0.0113**	**0.0000**	**35.3170**

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	8.3000e-004	5.1000e-004	6.3000e-003	2.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.0864	2.0864	4.0000e-005	0.0000	2.0875
Total	**8.3000e-004**	**5.1000e-004**	**6.3000e-003**	**2.0000e-005**	**2.8800e-003**	**2.0000e-005**	**2.9000e-003**	**7.6000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**2.0864**	**2.0864**	**4.0000e-005**	**0.0000**	**2.0875**

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	0.0160	0.1502	0.2551	4.0000e-004		7.3200e-003	7.3200e-003		6.7400e-003	6.7400e-003	0.0000	35.0337	35.0337	0.0113	0.0000	35.3169
Paving	2.3200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0183**	**0.1502**	**0.2551**	**4.0000e-004**		**7.3200e-003**	**7.3200e-003**		**6.7400e-003**	**6.7400e-003**	**0.0000**	**35.0337**	**35.0337**	**0.0113**	**0.0000**	**35.3169**

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	8.3000e-004	5.1000e-004	6.3000e-003	2.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.0864	2.0864	4.0000e-005	0.0000	2.0875
Total	**8.3000e-004**	**5.1000e-004**	**6.3000e-003**	**2.0000e-005**	**2.8800e-003**	**2.0000e-005**	**2.9000e-003**	**7.6000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**2.0864**	**2.0864**	**4.0000e-005**	**0.0000**	**2.0875**

3.7 Architectural Coating - 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					
Archit. Coating	1.3051					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.0876	0.1384	2.3000e-004		3.9400e-003	3.9400e-003		3.9400e-003	3.9400e-003	0.0000	19.5324	19.5324	1.0700e-003	0.0000	19.5590
Total	**1.3182**	**0.0876**	**0.1384**	**2.3000e-004**		**3.9400e-003**	**3.9400e-003**		**3.9400e-003**	**3.9400e-003**	**0.0000**	**19.5324**	**19.5324**	**1.0700e-003**	**0.0000**	**19.5590**

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0226	0.0143	0.1750	6.2000e-004	0.0747	5.1000e-004	0.0752	0.0198	4.7000e-004	0.0203	0.0000	56.1055	56.1055	1.1800e-003	0.0000	56.1352
Total	**0.0226**	**0.0143**	**0.1750**	**6.2000e-004**	**0.0747**	**5.1000e-004**	**0.0752**	**0.0198**	**4.7000e-004**	**0.0203**	**0.0000**	**56.1055**	**56.1055**	**1.1800e-003**	**0.0000**	**56.1352**

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	1.3051					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.0876	0.1384	2.3000e-004		3.9400e-003	3.9400e-003		3.9400e-003	3.9400e-003	0.0000	19.5324	19.5324	1.0700e-003	0.0000	19.5590
Total	**1.3182**	**0.0876**	**0.1384**	**2.3000e-004**		**3.9400e-003**	**3.9400e-003**		**3.9400e-003**	**3.9400e-003**	**0.0000**	**19.5324**	**19.5324**	**1.0700e-003**	**0.0000**	**19.5590**

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0226	0.0143	0.1750	6.2000e-004	0.0747	5.1000e-004	0.0752	0.0198	4.7000e-004	0.0203	0.0000	56.1055	56.1055	1.1800e-003	0.0000	56.1352
Total	**0.0226**	**0.0143**	**0.1750**	**6.2000e-004**	**0.0747**	**5.1000e-004**	**0.0752**	**0.0198**	**4.7000e-004**	**0.0203**	**0.0000**	**56.1055**	**56.1055**	**1.1800e-003**	**0.0000**	**56.1352**

3.7 Architectural Coating - 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					
Archit. Coating	0.4862					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8700e-003	0.0327	0.0516	8.0000e-005		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	7.2768	7.2768	4.0000e-004	0.0000	7.2867
Total	**0.4911**	**0.0327**	**0.0516**	**8.0000e-005**		**1.4700e-003**	**1.4700e-003**		**1.4700e-003**	**1.4700e-003**	**0.0000**	**7.2768**	**7.2768**	**4.0000e-004**	**0.0000**	**7.2867**

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	8.0500e-003	4.9000e-003	0.0609	2.2000e-004	0.0278	1.8000e-004	0.0280	7.3900e-003	1.7000e-004	7.5600e-003	0.0000	20.1610	20.1610	4.0000e-004	0.0000	20.1711
Total	**8.0500e-003**	**4.9000e-003**	**0.0609**	**2.2000e-004**	**0.0278**	**1.8000e-004**	**0.0280**	**7.3900e-003**	**1.7000e-004**	**7.5600e-003**	**0.0000**	**20.1610**	**20.1610**	**4.0000e-004**	**0.0000**	**20.1711**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4862					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8700e-003	0.0327	0.0516	8.0000e-005		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	7.2768	7.2768	4.0000e-004	0.0000	7.2867
Total	**0.4911**	**0.0327**	**0.0516**	**8.0000e-005**		**1.4700e-003**	**1.4700e-003**		**1.4700e-003**	**1.4700e-003**	**0.0000**	**7.2768**	**7.2768**	**4.0000e-004**	**0.0000**	**7.2867**

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	8.0500e-003	4.9000e-003	0.0609	2.2000e-004	0.0278	1.8000e-004	0.0280	7.3900e-003	1.7000e-004	7.5600e-003	0.0000	20.1610	20.1610	4.0000e-004	0.0000	20.1711
Total	**8.0500e-003**	**4.9000e-003**	**0.0609**	**2.2000e-004**	**0.0278**	**1.8000e-004**	**0.0280**	**7.3900e-003**	**1.7000e-004**	**7.5600e-003**	**0.0000**	**20.1610**	**20.1610**	**4.0000e-004**	**0.0000**	**20.1711**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0639	5.6468	12.3798	0.0536	5.0399	0.0377	5.0775	1.3501	0.0350	1.3851	0.0000	4,977.8074	4,977.8074	0.2172	0.0000	4,983.2383
Unmitigated	1.1888	6.3278	15.4703	0.0693	6.6537	0.0481	6.7017	1.7825	0.0446	1.8271	0.0000	6,427.0771	6,427.0771	0.2697	0.0000	6,433.8203

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,883.20	3,386.70	3105.80	10,200,613	7,726,556
City Park	0.00	0.00	0.00		
General Office Building	2,221.26	65.18	27.82	5,154,006	3,903,953
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,000.15	1,323.91	668.71	2,160,791	1,636,713
Total	6,104.61	4,775.78	3,802.33	17,515,410	13,267,222

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
City Park	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
General Office Building	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
Other Asphalt Surfaces	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793
Regional Shopping Center	0.551818	0.041822	0.205486	0.112756	0.013477	0.005761	0.022081	0.036620	0.002163	0.001593	0.004915	0.000716	0.000793

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	892.3530	892.3530	0.0368	7.6200e-003	895.5454
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	892.3530	892.3530	0.0368	7.6200e-003	895.5454
NaturalGas Mitigated	0.0281	0.2407	0.1089	1.5300e-003		0.0194	0.0194		0.0194	0.0194	0.0000	277.7176	277.7176	5.3200e-003	5.0900e-003	279.3679
NaturalGas Unmitigated	0.0281	0.2407	0.1089	1.5300e-003		0.0194	0.0194		0.0194	0.0194	0.0000	277.7176	277.7176	5.3200e-003	5.0900e-003	279.3679

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	4.88498e+006	0.0263	0.2251	0.0958	1.4400e-003		0.0182	0.0182		0.0182	0.0182	0.0000	260.6810	260.6810	5.0000e-003	4.7800e-003	262.2301
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
General Office Building	275803	1.4900e-003	0.0135	0.0114	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.7179	14.7179	2.8000e-004	2.7000e-004	14.8053
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	43450.2	2.3000e-004	2.1300e-003	1.7900e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3187	2.3187	4.0000e-005	4.0000e-005	2.3324
Total		**0.0281**	**0.2407**	**0.1089**	**1.5300e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**277.7176**	**277.7176**	**5.3200e-003**	**5.0900e-003**	**279.3679**

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	4.88498e+006	0.0263	0.2251	0.0958	1.4400e-003		0.0182	0.0182		0.0182	0.0182	0.0000	260.6810	260.6810	5.0000e-003	4.7800e-003	262.2301
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
General Office Building	275803	1.4900e-003	0.0135	0.0114	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.7179	14.7179	2.8000e-004	2.7000e-004	14.8053
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	43450.2	2.3000e-004	2.1300e-003	1.7900e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3187	2.3187	4.0000e-005	4.0000e-005	2.3324
Total		**0.0281**	**0.2407**	**0.1089**	**1.5300e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**277.7176**	**277.7176**	**5.3200e-003**	**5.0900e-003**	**279.3679**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.09884e+006	668.7362	0.0276	5.7100e-003	671.1286
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	344157	109.6558	4.5300e-003	9.4000e-004	110.0481
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	357669	113.9610	4.7000e-003	9.7000e-004	114.3687
Total		**892.3530**	**0.0368**	**7.6200e-003**	**895.5454**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.09884e+006	668.7362	0.0276	5.7100e-003	671.1286
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	344157	109.6558	4.5300e-003	9.4000e-004	110.0481
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	357669	113.9610	4.7000e-003	9.7000e-004	114.3687
Total		**892.3530**	**0.0368**	**7.6200e-003**	**895.5454**

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	2.4546	0.0629	5.4612	2.9000e-004		0.0303	0.0303		0.0303	0.0303	0.0000	8.9295	8.9295	8.5500e-003	0.0000	9.1434
Unmitigated	2.4546	0.0629	5.4612	2.9000e-004		0.0303	0.0303		0.0303	0.0303	0.0000	8.9295	8.9295	8.5500e-003	0.0000	9.1434

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1791					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1114					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	0.1640	0.0629	5.4612	2.9000e-004		0.0303	0.0303		0.0303	0.0303	0.0000	8.9295	8.9295	8.5500e-003	0.0000	9.1434
Total	**2.4546**	**0.0629**	**5.4612**	**2.9000e-004**		**0.0303**	**0.0303**		**0.0303**	**0.0303**	**0.0000**	**8.9295**	**8.9295**	**8.5500e-003**	**0.0000**	**9.1434**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1791					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1114					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	0.1640	0.0629	5.4612	2.9000e-004		0.0303	0.0303		0.0303	0.0303	0.0000	8.9295	8.9295	8.5500e-003	0.0000	9.1434
Total	**2.4546**	**0.0629**	**5.4612**	**2.9000e-004**		**0.0303**	**0.0303**		**0.0303**	**0.0303**	**0.0000**	**8.9295**	**8.9295**	**8.5500e-003**	**0.0000**	**9.1434**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	241.5260	1.0836	0.0273	276.7615
Unmitigated	278.3278	1.3535	0.0340	322.2878

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	34.5316 / 21.7699	231.2822	1.1343	0.0285	268.1182
City Park	0 / 0.786378	2.7837	1.1000e-004	2.0000e-005	2.7936
General Office Building	4.70817 / 2.88565	31.2417	0.1546	3.8800e-003	36.2630
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.96218 / 1.20263	13.0203	0.0645	1.6200e-003	15.1130
Total		**278.3278**	**1.3535**	**0.0340**	**322.2878**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	27.6253 / 21.7699	200.4383	0.9081	0.0229	229.9623
City Park	0 / 0.786378	2.7837	1.1000e-004	2.0000e-005	2.7936
General Office Building	3.76653 / 2.88565	27.0363	0.1238	3.1200e-003	31.0607
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.56974 / 1.20263	11.2677	0.0516	1.3000e-003	12.9449
Total		**241.5260**	**1.0836**	**0.0273**	**276.7615**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	60.1483	3.5547	0.0000	149.0148
Unmitigated	60.1483	3.5547	0.0000	149.0148

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	243.8	49.4892	2.9247	0.0000	122.6074
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0302
General Office Building	24.64	5.0017	0.2956	0.0000	12.3915
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	27.81	5.6452	0.3336	0.0000	13.9857
Total		**60.1483**	**3.5547**	**0.0000**	**149.0147**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	243.8	49.4892	2.9247	0.0000	122.6074
City Park	0.06	0.0122	7.2000e-004	0.0000	0.0302
General Office Building	24.64	5.0017	0.2956	0.0000	12.3915
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	27.81	5.6452	0.3336	0.0000	13.9857
Total		**60.1483**	**3.5547**	**0.0000**	**149.0147**

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

Compton Hub City Specific Plan (Phase 4)

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	37.42	1000sqft	0.00	37,422.00	0
Other Asphalt Surfaces	11.54	Acre	11.54	502,682.40	0
City Park	17.43	Acre	17.43	759,250.80	0
Apartments Mid Rise	749.00	Dwelling Unit	9.66	748,831.00	2142
Regional Shopping Center	37.42	1000sqft	1.37	37,422.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 4) - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Based on project plans dated July 19 2019; Central Park and Compton Creek acreage added to this phase

Construction Phase - Increased duration of construction phases for an overall duration of approximately 4 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	50.00	100.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	75.00	180.00
tblConstructionPhase	NumDays	55.00	390.00
tblConstructionPhase	PhaseEndDate	7/17/2026	9/25/2026
tblConstructionPhase	PhaseEndDate	8/28/2026	12/18/2026
tblConstructionPhase	PhaseEndDate	12/11/2026	8/27/2027
tblConstructionPhase	PhaseEndDate	10/12/2029	6/28/2030
tblConstructionPhase	PhaseEndDate	3/15/2030	6/28/2030
tblConstructionPhase	PhaseEndDate	12/28/2029	9/13/2030
tblConstructionPhase	PhaseStartDate	7/18/2026	9/26/2026

Compton Hub City Specific Plan (Phase 4) - South Coast AQMD Air District, Summer

tblConstructionPhase	PhaseStartDate	8/29/2026	12/19/2026
tblConstructionPhase	PhaseStartDate	12/12/2026	8/28/2027
tblConstructionPhase	PhaseStartDate	12/29/2029	1/1/2029
tblConstructionPhase	PhaseStartDate	10/13/2029	6/29/2030
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	74.90	0.00
tblFireplaces	NumberWood	37.45	0.00
tblGrading	AcresOfGrading	450.00	187.50
tblLandUse	LandUseSquareFeet	749,000.00	748,831.00
tblLandUse	LotAcreage	0.86	0.00
tblLandUse	LotAcreage	19.71	9.66
tblLandUse	LotAcreage	0.86	1.37
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	37.45	0.00
tblWoodstoves	NumberNoncatalytic	37.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	2.9651	27.9772	26.8536	0.0639	18.2675	1.1324	19.3556	9.9840	1.0418	10.9851	0.0000	6,192.5318	6,192.5318	1.9469	0.0000	6,241.2047
2027	5.2260	34.0672	48.1267	0.1962	14.1308	1.1323	14.7553	3.7910	1.0417	4.5305	0.0000	19,976.9343	19,976.9343	1.9466	0.0000	20,006.3193
2028	5.0490	33.7864	46.5149	0.1930	14.1308	0.6187	14.7495	3.7910	0.5808	4.3718	0.0000	19,658.1709	19,658.1709	1.1551	0.0000	19,687.0475
2029	18.8814	34.9546	51.4997	0.2116	16.5787	0.6779	17.2566	4.4402	0.6394	5.0796	0.0000	21,501.1865	21,501.1865	1.1827	0.0000	21,530.7549
2030	18.5466	29.8466	49.8311	0.2126	16.5787	0.3315	16.8403	4.4402	0.3314	4.6950	0.0000	21,546.6337	21,546.6337	0.6737	0.0000	21,563.4758
Maximum	**18.8814**	**34.9546**	**51.4997**	**0.2126**	**18.2675**	**1.1324**	**19.3556**	**9.9840**	**1.0418**	**10.9851**	**0.0000**	**21,546.6337**	**21,546.6337**	**1.9469**	**0.0000**	**21,563.4758**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	2.9651	27.9772	26.8536	0.0639	8.3310	1.1324	9.4191	4.5222	1.0418	5.5232	0.0000	6,192.5318	6,192.5318	1.9469	0.0000	6,241.2047
2027	5.2260	34.0672	48.1267	0.1962	14.1308	1.1323	14.7553	3.7910	1.0417	4.3772	0.0000	19,976.9343	19,976.9343	1.9466	0.0000	20,006.3193
2028	5.0490	33.7864	46.5149	0.1930	14.1308	0.6187	14.7495	3.7910	0.5808	4.3718	0.0000	19,658.1709	19,658.1709	1.1551	0.0000	19,687.0475
2029	18.8814	34.9546	51.4997	0.2116	16.5787	0.6779	17.2566	4.4402	0.6394	5.0796	0.0000	21,501.1865	21,501.1865	1.1827	0.0000	21,530.7549
2030	18.5466	29.8466	49.8311	0.2126	16.5787	0.3315	16.8403	4.4402	0.3314	4.6950	0.0000	21,546.6337	21,546.6337	0.6737	0.0000	21,563.4758
Maximum	**18.8814**	**34.9546**	**51.4997**	**0.2126**	**16.5787**	**1.1324**	**17.2566**	**4.5222**	**1.0418**	**5.5232**	**0.0000**	**21,546.6337**	**21,546.6337**	**1.9469**	**0.0000**	**21,563.4758**

	ROG	NOx	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**	**12.47**	**0.00**	**11.98**	**20.65**	**0.00**	**18.93**	**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	19.8824	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427	0.0000	111.2884	111.2884	0.1061	0.0000	113.9401
Energy	0.2173	1.8642	0.8435	0.0119		0.1501	0.1501		0.1501	0.1501		2,370.4829	2,370.4829	0.0454	0.0435	2,384.5695
Mobile	10.8985	56.1486	136.8231	0.6506	64.8262	0.3786	65.2048	17.3383	0.3516	17.6899		66,652.6424	66,652.6424	2.5794		66,717.1276
Total	**30.9982**	**58.7233**	**199.3072**	**0.6657**	**64.8262**	**0.8715**	**65.6976**	**17.3383**	**0.8445**	**18.1828**	**0.0000**	**69,134.4137**	**69,134.4137**	**2.7309**	**0.0435**	**69,215.6372**

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	19.8824	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427	0.0000	111.2884	111.2884	0.1061	0.0000	113.9401
Energy	0.2173	1.8642	0.8435	0.0119		0.1501	0.1501		0.1501	0.1501		2,370.4829	2,370.4829	0.0454	0.0435	2,384.5695
Mobile	9.7949	50.8503	108.4693	0.5041	49.1032	0.2969	49.4001	13.1331	0.2757	13.4087		51,689.1688	51,689.1688	2.0720		51,740.9696
Total	**29.8946**	**53.4250**	**170.9535**	**0.5192**	**49.1032**	**0.7897**	**49.8929**	**13.1331**	**0.7685**	**13.9016**	**0.0000**	**54,170.9401**	**54,170.9401**	**2.2235**	**0.0435**	**54,239.4791**

	ROG	NOx	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	**3.56**	**9.02**	**14.23**	**22.00**	**24.25**	**9.38**	**24.06**	**24.25**	**9.00**	**23.55**	**0.00**	**21.64**	**21.64**	**18.58**	**0.00**	**21.64**

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	5/11/2026	9/25/2026	5	100	
2	Site Preparation	Site Preparation	9/26/2026	12/18/2026	5	60	
3	Grading	Grading	12/19/2026	8/27/2027	5	180	
4	Building Construction	Building Construction	8/28/2027	6/28/2030	5	740	
5	Paving	Paving	6/29/2030	9/13/2030	5	55	
6	Architectural Coating	Architectural Coating	1/1/2029	6/28/2030	5	390	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 11.54

Residential Indoor: 1,516,383; Residential Outdoor: 505,461; Non-Residential Indoor: 112,266; Non-Residential Outdoor: 37,422; Striped Parking Area: 30,161 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 4) - South Coast AQMD Air District, 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	759.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,093.00	299.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	219.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					1.6424	0.0000	1.6424	0.2487	0.0000	0.2487			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**1.6424**	**0.8528**	**2.4952**	**0.2487**	**0.7920**	**1.0407**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Demolition - 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	0.0344	1.1041	0.3772	5.4100e-003	0.1326	2.0500e-003	0.1347	0.0364	1.9600e-003	0.0383		588.7179	588.7179	0.0377		589.6591
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	0.0479	0.0258	0.3919	1.3900e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		138.1878	138.1878	2.7900e-003		138.2575
Total	**0.0823**	**1.1299**	**0.7691**	**6.8000e-003**	**0.3003**	**3.1400e-003**	**0.3034**	**0.0808**	**2.9700e-003**	**0.0838**		**726.9056**	**726.9056**	**0.0404**		**727.9166**

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					0.7391	0.0000	0.7391	0.1119	0.0000	0.1119			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.7391**	**0.8528**	**1.5919**	**0.1119**	**0.7920**	**0.9039**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Demolition - 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	0.0344	1.1041	0.3772	5.4100e-003	0.1326	2.0500e-003	0.1347	0.0364	1.9600e-003	0.0383		588.7179	588.7179	0.0377		589.6591
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	0.0479	0.0258	0.3919	1.3900e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		138.1878	138.1878	2.7900e-003		138.2575
Total	**0.0823**	**1.1299**	**0.7691**	**6.8000e-003**	**0.3003**	**3.1400e-003**	**0.3034**	**0.0808**	**2.9700e-003**	**0.0838**		**726.9056**	**726.9056**	**0.0404**		**727.9166**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0575	0.0309	0.4703	1.6600e-003	0.2012	1.3100e-003	0.2025	0.0534	1.2100e-003	0.0546		165.8253	165.8253	3.3500e-003		165.9090
Total	**0.0575**	**0.0309**	**0.4703**	**1.6600e-003**	**0.2012**	**1.3100e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**165.8253**	**165.8253**	**3.3500e-003**		**165.9090**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**8.1298**	**1.0868**	**9.2166**	**4.4688**	**0.9999**	**5.4687**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0575	0.0309	0.4703	1.6600e-003	0.2012	1.3100e-003	0.2025	0.0534	1.2100e-003	0.0546		165.8253	165.8253	3.3500e-003		165.9090
Total	**0.0575**	**0.0309**	**0.4703**	**1.6600e-003**	**0.2012**	**1.3100e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**165.8253**	**165.8253**	**3.3500e-003**		**165.9090**

3.4 Grading - 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					
Fugitive Dust					7.1268	0.0000	7.1268	3.4295	0.0000	3.4295			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.1268**	**1.1309**	**8.2577**	**3.4295**	**1.0404**	**4.4699**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0343	0.5225	1.8500e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3400e-003	0.0606		184.2503	184.2503	3.7200e-003		184.3433
Total	**0.0639**	**0.0343**	**0.5225**	**1.8500e-003**	**0.2236**	**1.4600e-003**	**0.2250**	**0.0593**	**1.3400e-003**	**0.0606**		**184.2503**	**184.2503**	**3.7200e-003**		**184.3433**

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					3.2071	0.0000	3.2071	1.5433	0.0000	1.5433			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.2071**	**1.1309**	**4.3379**	**1.5433**	**1.0404**	**2.5837**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0343	0.5225	1.8500e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3400e-003	0.0606		184.2503	184.2503	3.7200e-003		184.3433
Total	**0.0639**	**0.0343**	**0.5225**	**1.8500e-003**	**0.2236**	**1.4600e-003**	**0.2250**	**0.0593**	**1.3400e-003**	**0.0606**		**184.2503**	**184.2503**	**3.7200e-003**		**184.3433**

3.4 Grading - 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					
Fugitive Dust					7.1268	0.0000	7.1268	3.4295	0.0000	3.4295			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.1268**	**1.1309**	**8.2577**	**3.4295**	**1.0404**	**4.4699**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0609	0.0317	0.4904	1.7900e-003	0.2236	1.3800e-003	0.2249	0.0593	1.2700e-003	0.0606		178.2918	178.2918	3.4100e-003		178.3771
Total	**0.0609**	**0.0317**	**0.4904**	**1.7900e-003**	**0.2236**	**1.3800e-003**	**0.2249**	**0.0593**	**1.2700e-003**	**0.0606**		**178.2918**	**178.2918**	**3.4100e-003**		**178.3771**

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					3.2071	0.0000	3.2071	1.5433	0.0000	1.5433			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.2071**	**1.1309**	**4.3379**	**1.5433**	**1.0404**	**2.5837**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0609	0.0317	0.4904	1.7900e-003	0.2236	1.3800e-003	0.2249	0.0593	1.2700e-003	0.0606		178.2918	178.2918	3.4100e-003		178.3771
Total	**0.0609**	**0.0317**	**0.4904**	**1.7900e-003**	**0.2236**	**1.3800e-003**	**0.2249**	**0.0593**	**1.2700e-003**	**0.0606**		**178.2918**	**178.2918**	**3.4100e-003**		**178.3771**

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	0.5322	19.8664	5.2437	0.0716	1.9136	0.0217	1.9353	0.5509	0.0207	0.5716		7,676.8124	7,676.8124	0.3880		7,686.5122
Worker	3.3265	1.7312	26.7983	0.0977	12.2172	0.0753	12.2924	3.2401	0.0693	3.3093		9,743.6475	9,743.6475	0.1865		9,748.3090
Total	**3.8586**	**21.5975**	**32.0420**	**0.1693**	**14.1308**	**0.0970**	**14.2277**	**3.7910**	**0.0900**	**3.8809**		**17,420.4599**	**17,420.4599**	**0.5745**		**17,434.8212**

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	0.5322	19.8664	5.2437	0.0716	1.9136	0.0217	1.9353	0.5509	0.0207	0.5716		7,676.8124	7,676.8124	0.3880		7,686.5122
Worker	3.3265	1.7312	26.7983	0.0977	12.2172	0.0753	12.2924	3.2401	0.0693	3.3093		9,743.6475	9,743.6475	0.1865		9,748.3090
Total	**3.8586**	**21.5975**	**32.0420**	**0.1693**	**14.1308**	**0.0970**	**14.2277**	**3.7910**	**0.0900**	**3.8809**		**17,420.4599**	**17,420.4599**	**0.5745**		**17,434.8212**

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	0.5231	19.7161	5.1736	0.0713	1.9136	0.0214	1.9350	0.5509	0.0204	0.5713		7,644.5872	7,644.5872	0.3821		7,654.1387
Worker	3.1585	1.6007	25.2567	0.0948	12.2172	0.0697	12.2869	3.2401	0.0642	3.3042		9,457.1093	9,457.1093	0.1721		9,461.4108
Total	**3.6816**	**21.3168**	**30.4302**	**0.1661**	**14.1308**	**0.0911**	**14.2219**	**3.7910**	**0.0846**	**3.8756**		**17,101.6965**	**17,101.6965**	**0.5541**		**17,115.5495**

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	0.5231	19.7161	5.1736	0.0713	1.9136	0.0214	1.9350	0.5509	0.0204	0.5713		7,644.5872	7,644.5872	0.3821		7,654.1387
Worker	3.1585	1.6007	25.2567	0.0948	12.2172	0.0697	12.2869	3.2401	0.0642	3.3042		9,457.1093	9,457.1093	0.1721		9,461.4108
Total	**3.6816**	**21.3168**	**30.4302**	**0.1661**	**14.1308**	**0.0911**	**14.2219**	**3.7910**	**0.0846**	**3.8756**		**17,101.6965**	**17,101.6965**	**0.5541**		**17,115.5495**

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	0.5149	19.5691	5.1079	0.0710	1.9137	0.0210	1.9347	0.5509	0.0201	0.5710		7,615.9473	7,615.9473	0.3768		7,625.3679
Worker	2.9707	1.4748	23.7411	0.0922	12.2172	0.0648	12.2820	3.2401	0.0596	3.2997		9,203.2906	9,203.2906	0.1580		9,207.2397
Total	**3.4855**	**21.0439**	**28.8490**	**0.1632**	**14.1308**	**0.0858**	**14.2166**	**3.7910**	**0.0797**	**3.8707**		**16,819.2379**	**16,819.2379**	**0.5348**		**16,832.6075**

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	0.5149	19.5691	5.1079	0.0710	1.9137	0.0210	1.9347	0.5509	0.0201	0.5710		7,615.9473	7,615.9473	0.3768		7,625.3679
Worker	2.9707	1.4748	23.7411	0.0922	12.2172	0.0648	12.2820	3.2401	0.0596	3.2997		9,203.2906	9,203.2906	0.1580		9,207.2397
Total	**3.4855**	**21.0439**	**28.8490**	**0.1632**	**14.1308**	**0.0858**	**14.2166**	**3.7910**	**0.0797**	**3.8707**		**16,819.2379**	**16,819.2379**	**0.5348**		**16,832.6075**

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	0.5078	19.4281	5.0581	0.0707	1.9137	0.0207	1.9343	0.5509	0.0198	0.5707		7,590.3513	7,590.3513	0.3720		7,599.6512
Worker	2.7797	1.3559	22.3418	0.0900	12.2172	0.0603	12.2775	3.2401	0.0555	3.2955		8,978.3349	8,978.3349	0.1450		8,981.9599
Total	**3.2874**	**20.7840**	**27.3998**	**0.1607**	**14.1308**	**0.0810**	**14.2118**	**3.7910**	**0.0753**	**3.8662**		**16,568.6862**	**16,568.6862**	**0.5170**		**16,581.6111**

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	0.5078	19.4281	5.0581	0.0707	1.9137	0.0207	1.9343	0.5509	0.0198	0.5707		7,590.3513	7,590.3513	0.3720		7,599.6512
Worker	2.7797	1.3559	22.3418	0.0900	12.2172	0.0603	12.2775	3.2401	0.0555	3.2955		8,978.3349	8,978.3349	0.1450		8,981.9599
Total	**3.2874**	**20.7840**	**27.3998**	**0.1607**	**14.1308**	**0.0810**	**14.2118**	**3.7910**	**0.0753**	**3.8662**		**16,568.6862**	**16,568.6862**	**0.5170**		**16,581.6111**

3.6 Paving - 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	1.3845	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	0.5497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9342**	**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 - 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	0.0000	0.0000	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	0.0382	0.0186	0.3066	1.2300e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		123.2159	123.2159	1.9900e-003		123.2657
Total	**0.0382**	**0.0186**	**0.3066**	**1.2300e-003**	**0.1677**	**8.3000e-004**	**0.1685**	**0.0445**	**7.6000e-004**	**0.0452**		**123.2159**	**123.2159**	**1.9900e-003**		**123.2657**

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	0.5497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9342**	**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 - 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	0.0000	0.0000	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	0.0382	0.0186	0.3066	1.2300e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		123.2159	123.2159	1.9900e-003		123.2657
Total	**0.0382**	**0.0186**	**0.3066**	**1.2300e-003**	**0.1677**	**8.3000e-004**	**0.1685**	**0.0445**	**7.6000e-004**	**0.0452**		**123.2159**	**123.2159**	**1.9900e-003**		**123.2657**

3.7 Architectural Coating - 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					
Archit. Coating	13.2624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**13.4332**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.5952	0.2955	4.7569	0.0185	2.4479	0.0130	2.4609	0.6492	0.0119	0.6611		1,844.0262	1,844.0262	0.0317		1,844.8175
Total	**0.5952**	**0.2955**	**4.7569**	**0.0185**	**2.4479**	**0.0130**	**2.4609**	**0.6492**	**0.0119**	**0.6611**		**1,844.0262**	**1,844.0262**	**0.0317**		**1,844.8175**

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	13.2624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**13.4332**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.5952	0.2955	4.7569	0.0185	2.4479	0.0130	2.4609	0.6492	0.0119	0.6611		1,844.0262	1,844.0262	0.0317		1,844.8175
Total	**0.5952**	**0.2955**	**4.7569**	**0.0185**	**2.4479**	**0.0130**	**2.4609**	**0.6492**	**0.0119**	**0.6611**		**1,844.0262**	**1,844.0262**	**0.0317**		**1,844.8175**

3.7 Architectural Coating - 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					
Archit. Coating	13.2624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**13.3931**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.5570	0.2717	4.4765	0.0180	2.4479	0.0121	2.4600	0.6492	0.0111	0.6603		1,798.9527	1,798.9527	0.0291		1,799.6791
Total	**0.5570**	**0.2717**	**4.4765**	**0.0180**	**2.4479**	**0.0121**	**2.4600**	**0.6492**	**0.0111**	**0.6603**		**1,798.9527**	**1,798.9527**	**0.0291**		**1,799.6791**

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	13.2624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**13.3931**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.5570	0.2717	4.4765	0.0180	2.4479	0.0121	2.4600	0.6492	0.0111	0.6603		1,798.9527	1,798.9527	0.0291		1,799.6791
Total	**0.5570**	**0.2717**	**4.4765**	**0.0180**	**2.4479**	**0.0121**	**2.4600**	**0.6492**	**0.0111**	**0.6603**		**1,798.9527**	**1,798.9527**	**0.0291**		**1,799.6791**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.7949	50.8503	108.4693	0.5041	49.1032	0.2969	49.4001	13.1331	0.2757	13.4087		51,689.1688	51,689.1688	2.0720		51,740.9696
Unmitigated	10.8985	56.1486	136.8231	0.6506	64.8262	0.3786	65.2048	17.3383	0.3516	17.6899		66,652.6424	66,652.6424	2.5794		66,717.1276

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,074.56	4,786.11	4389.14	14,415,584	10,919,228
City Park	0.00	0.00	0.00		
General Office Building	3,137.46	92.06	39.29	7,279,882	5,514,220
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,412.68	1,869.98	944.53	3,052,054	2,311,809
Total	8,624.70	6,748.15	5,372.96	24,747,520	18,745,257

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
City Park	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
General Office Building	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
Other Asphalt Surfaces	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
Regional Shopping Center	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2173	1.8642	0.8435	0.0119		0.1501	0.1501		0.1501	0.1501		2,370.4829	2,370.4829	0.0454	0.0435	2,384.5695
NaturalGas Unmitigated	0.2173	1.8642	0.8435	0.0119		0.1501	0.1501		0.1501	0.1501		2,370.4829	2,370.4829	0.0454	0.0435	2,384.5695

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	18913.7	0.2040	1.7430	0.7417	0.0111		0.1409	0.1409		0.1409	0.1409		2,225.1372	2,225.1372	0.0427	0.0408	2,238.3600
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
General Office Building	1067.3	0.0115	0.1046	0.0879	6.3000e-004		7.9500e-003	7.9500e-003		7.9500e-003	7.9500e-003		125.5642	125.5642	2.4100e-003	2.3000e-003	126.3104
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	168.143	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		19.7815	19.7815	3.8000e-004	3.6000e-004	19.8990
Total		**0.2173**	**1.8641**	**0.8435**	**0.0119**		**0.1501**	**0.1501**		**0.1501**	**0.1501**		**2,370.4829**	**2,370.4829**	**0.0454**	**0.0435**	**2,384.5695**

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	18.9137	0.2040	1.7430	0.7417	0.0111		0.1409	0.1409		0.1409	0.1409		2,225.1372	2,225.1372	0.0427	0.0408	2,238.3600
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
General Office Building	1.0673	0.0115	0.1046	0.0879	6.3000e-004		7.9500e-003	7.9500e-003		7.9500e-003	7.9500e-003		125.5642	125.5642	2.4100e-003	2.3000e-003	126.3104
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.168143	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		19.7815	19.7815	3.8000e-004	3.6000e-004	19.8990
Total		**0.2173**	**1.8641**	**0.8435**	**0.0119**		**0.1501**	**0.1501**		**0.1501**	**0.1501**		**2,370.4829**	**2,370.4829**	**0.0454**	**0.0435**	**2,384.5695**

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	19.8824	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427	0.0000	111.2884	111.2884	0.1061	0.0000	113.9401
Unmitigated	19.8824	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427	0.0000	111.2884	111.2884	0.1061	0.0000	113.9401

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	1.5121					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.5259					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	1.8444	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427		111.2884	111.2884	0.1061		113.9401
Total	**19.8824**	**0.7106**	**61.6407**	**3.2600e-003**		**0.3427**	**0.3427**		**0.3427**	**0.3427**	**0.0000**	**111.2884**	**111.2884**	**0.1061**	**0.0000**	**113.9401**

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	1.5121					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.5259					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	1.8444	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427		111.2884	111.2884	0.1061		113.9401
Total	**19.8824**	**0.7106**	**61.6407**	**3.2600e-003**		**0.3427**	**0.3427**		**0.3427**	**0.3427**	**0.0000**	**111.2884**	**111.2884**	**0.1061**	**0.0000**	**113.9401**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 4)

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	37.42	1000sqft	0.00	37,422.00	0
Other Asphalt Surfaces	11.54	Acre	11.54	502,682.40	0
City Park	17.43	Acre	17.43	759,250.80	0
Apartments Mid Rise	749.00	Dwelling Unit	9.66	748,831.00	2142
Regional Shopping Center	37.42	1000sqft	1.37	37,422.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 4) - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Based on project plans dated July 19 2019; Central Park and Compton Creek acreage added to this phase

Construction Phase - Increased duration of construction phases for an overall duration of approximately 4 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	50.00	100.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	75.00	180.00
tblConstructionPhase	NumDays	55.00	390.00
tblConstructionPhase	PhaseEndDate	7/17/2026	9/25/2026
tblConstructionPhase	PhaseEndDate	8/28/2026	12/18/2026
tblConstructionPhase	PhaseEndDate	12/11/2026	8/27/2027
tblConstructionPhase	PhaseEndDate	10/12/2029	6/28/2030
tblConstructionPhase	PhaseEndDate	3/15/2030	6/28/2030
tblConstructionPhase	PhaseEndDate	12/28/2029	9/13/2030
tblConstructionPhase	PhaseStartDate	7/18/2026	9/26/2026

Compton Hub City Specific Plan (Phase 4) - South Coast AQMD Air District, Winter

tblConstructionPhase	PhaseStartDate	8/29/2026	12/19/2026
tblConstructionPhase	PhaseStartDate	12/12/2026	8/28/2027
tblConstructionPhase	PhaseStartDate	12/29/2029	1/1/2029
tblConstructionPhase	PhaseStartDate	10/13/2029	6/29/2030
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	74.90	0.00
tblFireplaces	NumberWood	37.45	0.00
tblGrading	AcresOfGrading	450.00	187.50
tblLandUse	LandUseSquareFeet	749,000.00	748,831.00
tblLandUse	LotAcreage	0.86	0.00
tblLandUse	LotAcreage	19.71	9.66
tblLandUse	LotAcreage	0.86	1.37
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	37.45	0.00
tblWoodstoves	NumberNoncatalytic	37.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	2.9721	27.9804	26.7970	0.0638	18.2675	1.1324	19.3556	9.9840	1.0418	10.9851	0.0000	6,180.5489	6,180.5489	1.9467	0.0000	6,229.2151
2027	5.6255	34.1026	45.7147	0.1879	14.1308	1.1323	14.7560	3.7910	1.0417	4.5305	0.0000	19,127.5328	19,127.5328	1.9464	0.0000	19,157.1746
2028	5.4365	33.8096	44.2392	0.1849	14.1308	0.6193	14.7501	3.7910	0.5815	4.3724	0.0000	18,828.3303	18,828.3303	1.1655	0.0000	18,857.4686
2029	19.3223	34.9926	48.8229	0.2024	16.5787	0.6784	17.2572	4.4402	0.6399	5.0801	0.0000	20,567.7226	20,567.7226	1.1911	0.0000	20,597.5002
2030	18.9664	29.8698	47.2993	0.2036	16.5787	0.3315	16.8408	4.4402	0.3314	4.6955	0.0000	20,630.4370	20,630.4370	0.6825	0.0000	20,647.4985
Maximum	**19.3223**	**34.9926**	**48.8229**	**0.2036**	**18.2675**	**1.1324**	**19.3556**	**9.9840**	**1.0418**	**10.9851**	**0.0000**	**20,630.4370**	**20,630.4370**	**1.9467**	**0.0000**	**20,647.4985**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	2.9721	27.9804	26.7970	0.0638	8.3310	1.1324	9.4191	4.5222	1.0418	5.5232	0.0000	6,180.5489	6,180.5489	1.9467	0.0000	6,229.2151
2027	5.6255	34.1026	45.7147	0.1879	14.1308	1.1323	14.7560	3.7910	1.0417	4.3779	0.0000	19,127.5328	19,127.5328	1.9464	0.0000	19,157.1746
2028	5.4365	33.8096	44.2392	0.1849	14.1308	0.6193	14.7501	3.7910	0.5815	4.3724	0.0000	18,828.3303	18,828.3303	1.1655	0.0000	18,857.4686
2029	19.3223	34.9926	48.8229	0.2024	16.5787	0.6784	17.2572	4.4402	0.6399	5.0801	0.0000	20,567.7226	20,567.7226	1.1911	0.0000	20,597.5002
2030	18.9664	29.8698	47.2993	0.2036	16.5787	0.3315	16.8408	4.4402	0.3314	4.6955	0.0000	20,630.4370	20,630.4370	0.6825	0.0000	20,647.4984
Maximum	**19.3223**	**34.9926**	**48.8229**	**0.2036**	**16.5787**	**1.1324**	**17.2572**	**4.5222**	**1.0418**	**5.5232**	**0.0000**	**20,630.4370**	**20,630.4370**	**1.9467**	**0.0000**	**20,647.4984**

	ROG	NOx	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**	**12.47**	**0.00**	**11.98**	**20.65**	**0.00**	**18.93**	**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	19.8824	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427	0.0000	111.2884	111.2884	0.1061	0.0000	113.9401
Energy	0.2173	1.8642	0.8435	0.0119		0.1501	0.1501		0.1501	0.1501		2,370.4829	2,370.4829	0.0454	0.0435	2,384.5695
Mobile	10.2964	56.6700	128.0159	0.6168	64.8262	0.3798	65.2060	17.3383	0.3528	17.6911		63,246.3900	63,246.3900	2.5978		63,311.3348
Total	**30.3962**	**59.2448**	**190.5001**	**0.6319**	**64.8262**	**0.8727**	**65.6988**	**17.3383**	**0.8457**	**18.1839**	**0.0000**	**65,728.1613**	**65,728.1613**	**2.7493**	**0.0435**	**65,809.8443**

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	19.8824	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427	0.0000	111.2884	111.2884	0.1061	0.0000	113.9401
Energy	0.2173	1.8642	0.8435	0.0119		0.1501	0.1501		0.1501	0.1501		2,370.4829	2,370.4829	0.0454	0.0435	2,384.5695
Mobile	9.2144	51.0675	102.7131	0.4774	49.1032	0.2981	49.4013	13.1331	0.2768	13.4099		48,983.7091	48,983.7091	2.1012		49,036.2396
Total	**29.3141**	**53.6423**	**165.1972**	**0.4925**	**49.1032**	**0.7910**	**49.8942**	**13.1331**	**0.7697**	**13.9028**	**0.0000**	**51,465.4804**	**51,465.4804**	**2.2527**	**0.0435**	**51,534.7492**

	ROG	NOx	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	**3.56**	**9.46**	**13.28**	**22.06**	**24.25**	**9.36**	**24.06**	**24.25**	**8.98**	**23.54**	**0.00**	**21.70**	**21.70**	**18.06**	**0.00**	**21.69**

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	5/11/2026	9/25/2026	5	100	
2	Site Preparation	Site Preparation	9/26/2026	12/18/2026	5	60	
3	Grading	Grading	12/19/2026	8/27/2027	5	180	
4	Building Construction	Building Construction	8/28/2027	6/28/2030	5	740	
5	Paving	Paving	6/29/2030	9/13/2030	5	55	
6	Architectural Coating	Architectural Coating	1/1/2029	6/28/2030	5	390	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 11.54

Residential Indoor: 1,516,383; Residential Outdoor: 505,461; Non-Residential Indoor: 112,266; Non-Residential Outdoor: 37,422; Striped Parking Area: 30,161 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 4) - South Coast AQMD Air District, 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	759.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,093.00	299.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	219.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					1.6424	0.0000	1.6424	0.2487	0.0000	0.2487			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**1.6424**	**0.8528**	**2.4952**	**0.2487**	**0.7920**	**1.0407**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Demolition - 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	0.0354	1.1094	0.3954	5.3100e-003	0.1326	2.0900e-003	0.1347	0.0364	2.0000e-003	0.0383		578.0442	578.0442	0.0388		579.0150
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	0.0531	0.0282	0.3494	1.3000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		129.2006	129.2006	2.5900e-003		129.2653
Total	**0.0885**	**1.1376**	**0.7448**	**6.6100e-003**	**0.3003**	**3.1800e-003**	**0.3035**	**0.0808**	**3.0100e-003**	**0.0838**		**707.2448**	**707.2448**	**0.0414**		**708.2802**

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					0.7391	0.0000	0.7391	0.1119	0.0000	0.1119			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.7391**	**0.8528**	**1.5919**	**0.1119**	**0.7920**	**0.9039**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Demolition - 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	0.0354	1.1094	0.3954	5.3100e-003	0.1326	2.0900e-003	0.1347	0.0364	2.0000e-003	0.0383		578.0442	578.0442	0.0388		579.0150
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	0.0531	0.0282	0.3494	1.3000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		129.2006	129.2006	2.5900e-003		129.2653
Total	**0.0885**	**1.1376**	**0.7448**	**6.6100e-003**	**0.3003**	**3.1800e-003**	**0.3035**	**0.0808**	**3.0100e-003**	**0.0838**		**707.2448**	**707.2448**	**0.0414**		**708.2802**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0637	0.0338	0.4193	1.5500e-003	0.2012	1.3100e-003	0.2025	0.0534	1.2100e-003	0.0546		155.0407	155.0407	3.1000e-003		155.1183
Total	**0.0637**	**0.0338**	**0.4193**	**1.5500e-003**	**0.2012**	**1.3100e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**155.0407**	**155.0407**	**3.1000e-003**		**155.1183**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**8.1298**	**1.0868**	**9.2166**	**4.4688**	**0.9999**	**5.4687**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0637	0.0338	0.4193	1.5500e-003	0.2012	1.3100e-003	0.2025	0.0534	1.2100e-003	0.0546		155.0407	155.0407	3.1000e-003		155.1183
Total	**0.0637**	**0.0338**	**0.4193**	**1.5500e-003**	**0.2012**	**1.3100e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**155.0407**	**155.0407**	**3.1000e-003**		**155.1183**

3.4 Grading - 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					
Fugitive Dust					7.1268	0.0000	7.1268	3.4295	0.0000	3.4295			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.1268**	**1.1309**	**8.2577**	**3.4295**	**1.0404**	**4.4699**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0708	0.0375	0.4659	1.7300e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3400e-003	0.0606		172.2675	172.2675	3.4500e-003		172.3537
Total	**0.0708**	**0.0375**	**0.4659**	**1.7300e-003**	**0.2236**	**1.4600e-003**	**0.2250**	**0.0593**	**1.3400e-003**	**0.0606**		**172.2675**	**172.2675**	**3.4500e-003**		**172.3537**

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					3.2071	0.0000	3.2071	1.5433	0.0000	1.5433			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.2071**	**1.1309**	**4.3379**	**1.5433**	**1.0404**	**2.5837**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0708	0.0375	0.4659	1.7300e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3400e-003	0.0606		172.2675	172.2675	3.4500e-003		172.3537
Total	**0.0708**	**0.0375**	**0.4659**	**1.7300e-003**	**0.2236**	**1.4600e-003**	**0.2250**	**0.0593**	**1.3400e-003**	**0.0606**		**172.2675**	**172.2675**	**3.4500e-003**		**172.3537**

3.4 Grading - 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					
Fugitive Dust					7.1268	0.0000	7.1268	3.4295	0.0000	3.4295			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.1268**	**1.1309**	**8.2577**	**3.4295**	**1.0404**	**4.4699**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0677	0.0346	0.4367	1.6700e-003	0.2236	1.3800e-003	0.2249	0.0593	1.2700e-003	0.0606		166.6814	166.6814	3.1600e-003		166.7605
Total	**0.0677**	**0.0346**	**0.4367**	**1.6700e-003**	**0.2236**	**1.3800e-003**	**0.2249**	**0.0593**	**1.2700e-003**	**0.0606**		**166.6814**	**166.6814**	**3.1600e-003**		**166.7605**

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					3.2071	0.0000	3.2071	1.5433	0.0000	1.5433			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.2071**	**1.1309**	**4.3379**	**1.5433**	**1.0404**	**2.5837**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0677	0.0346	0.4367	1.6700e-003	0.2236	1.3800e-003	0.2249	0.0593	1.2700e-003	0.0606		166.6814	166.6814	3.1600e-003		166.7605
Total	**0.0677**	**0.0346**	**0.4367**	**1.6700e-003**	**0.2236**	**1.3800e-003**	**0.2249**	**0.0593**	**1.2700e-003**	**0.0606**		**166.6814**	**166.6814**	**3.1600e-003**		**166.7605**

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	0.5599	19.7413	5.7652	0.0696	1.9136	0.0224	1.9360	0.5509	0.0214	0.5723		7,461.9178	7,461.9178	0.4118		7,472.2133
Worker	3.6982	1.8916	23.8648	0.0913	12.2172	0.0753	12.2924	3.2401	0.0693	3.3093		9,109.1407	9,109.1407	0.1729		9,113.4633
Total	**4.2581**	**21.6329**	**29.6300**	**0.1609**	**14.1308**	**0.0977**	**14.2285**	**3.7910**	**0.0907**	**3.8816**		**16,571.0585**	**16,571.0585**	**0.5847**		**16,585.6766**

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	0.5599	19.7413	5.7652	0.0696	1.9136	0.0224	1.9360	0.5509	0.0214	0.5723		7,461.9178	7,461.9178	0.4118		7,472.2133
Worker	3.6982	1.8916	23.8648	0.0913	12.2172	0.0753	12.2924	3.2401	0.0693	3.3093		9,109.1407	9,109.1407	0.1729		9,113.4633
Total	**4.2581**	**21.6329**	**29.6300**	**0.1609**	**14.1308**	**0.0977**	**14.2285**	**3.7910**	**0.0907**	**3.8816**		**16,571.0585**	**16,571.0585**	**0.5847**		**16,585.6766**

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	0.5503	19.5915	5.6879	0.0693	1.9136	0.0220	1.9356	0.5509	0.0210	0.5720		7,431.5930	7,431.5930	0.4051		7,441.7214
Worker	3.5188	1.7485	22.4667	0.0886	12.2172	0.0697	12.2869	3.2401	0.0642	3.3042		8,840.2630	8,840.2630	0.1595		8,844.2492
Total	**4.0691**	**21.3400**	**28.1545**	**0.1579**	**14.1308**	**0.0917**	**14.2226**	**3.7910**	**0.0852**	**3.8762**		**16,271.8560**	**16,271.8560**	**0.5646**		**16,285.9706**

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	0.5503	19.5915	5.6879	0.0693	1.9136	0.0220	1.9356	0.5509	0.0210	0.5720		7,431.5930	7,431.5930	0.4051		7,441.7214
Worker	3.5188	1.7485	22.4667	0.0886	12.2172	0.0697	12.2869	3.2401	0.0642	3.3042		8,840.2630	8,840.2630	0.1595		8,844.2492
Total	**4.0691**	**21.3400**	**28.1545**	**0.1579**	**14.1308**	**0.0917**	**14.2226**	**3.7910**	**0.0852**	**3.8762**		**16,271.8560**	**16,271.8560**	**0.5646**		**16,285.9706**

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	0.5415	19.4446	5.6158	0.0690	1.9137	0.0216	1.9352	0.5509	0.0206	0.5716		7,404.5180	7,404.5180	0.3992		7,414.4988
Worker	3.3157	1.6101	21.0880	0.0862	12.2172	0.0648	12.2820	3.2401	0.0596	3.2997		8,601.7785	8,601.7785	0.1463		8,605.4351
Total	**3.8573**	**21.0548**	**26.7038**	**0.1552**	**14.1308**	**0.0864**	**14.2172**	**3.7910**	**0.0802**	**3.8712**		**16,006.2966**	**16,006.2966**	**0.5455**		**16,019.9340**

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	0.5415	19.4446	5.6158	0.0690	1.9137	0.0216	1.9352	0.5509	0.0206	0.5716		7,404.5180	7,404.5180	0.3992		7,414.4988
Worker	3.3157	1.6101	21.0880	0.0862	12.2172	0.0648	12.2820	3.2401	0.0596	3.2997		8,601.7785	8,601.7785	0.1463		8,605.4351
Total	**3.8573**	**21.0548**	**26.7038**	**0.1552**	**14.1308**	**0.0864**	**14.2172**	**3.7910**	**0.0802**	**3.8712**		**16,006.2966**	**16,006.2966**	**0.5455**		**16,019.9340**

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	0.5340	19.3032	5.5610	0.0688	1.9137	0.0212	1.9348	0.5509	0.0202	0.5712		7,380.1522	7,380.1522	0.3938		7,389.9975
Worker	3.1075	1.4793	19.8136	0.0841	12.2172	0.0603	12.2775	3.2401	0.0555	3.2955		8,390.1829	8,390.1829	0.1341		8,393.5363
Total	**3.6415**	**20.7825**	**25.3746**	**0.1528**	**14.1308**	**0.0815**	**14.2123**	**3.7910**	**0.0757**	**3.8667**		**15,770.3351**	**15,770.3351**	**0.5280**		**15,783.5338**

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	0.5340	19.3032	5.5610	0.0688	1.9137	0.0212	1.9348	0.5509	0.0202	0.5712		7,380.1522	7,380.1522	0.3938		7,389.9975
Worker	3.1075	1.4793	19.8136	0.0841	12.2172	0.0603	12.2775	3.2401	0.0555	3.2955		8,390.1829	8,390.1829	0.1341		8,393.5363
Total	**3.6415**	**20.7825**	**25.3746**	**0.1528**	**14.1308**	**0.0815**	**14.2123**	**3.7910**	**0.0757**	**3.8667**		**15,770.3351**	**15,770.3351**	**0.5280**		**15,783.5338**

3.6 Paving - 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	1.3845	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	0.5497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9342**	**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 - 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	0.0000	0.0000	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	0.0427	0.0203	0.2719	1.1500e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		115.1443	115.1443	1.8400e-003		115.1903
Total	**0.0427**	**0.0203**	**0.2719**	**1.1500e-003**	**0.1677**	**8.3000e-004**	**0.1685**	**0.0445**	**7.6000e-004**	**0.0452**		**115.1443**	**115.1443**	**1.8400e-003**		**115.1903**

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	0.5497					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9342**	**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 - 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	0.0000	0.0000	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	0.0427	0.0203	0.2719	1.1500e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		115.1443	115.1443	1.8400e-003		115.1903
Total	**0.0427**	**0.0203**	**0.2719**	**1.1500e-003**	**0.1677**	**8.3000e-004**	**0.1685**	**0.0445**	**7.6000e-004**	**0.0452**		**115.1443**	**115.1443**	**1.8400e-003**		**115.1903**

3.7 Architectural Coating - 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					
Archit. Coating	13.2624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**13.4332**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.6644	0.3226	4.2253	0.0173	2.4479	0.0130	2.4609	0.6492	0.0119	0.6611		1,723.5037	1,723.5037	0.0293		1,724.2363
Total	**0.6644**	**0.3226**	**4.2253**	**0.0173**	**2.4479**	**0.0130**	**2.4609**	**0.6492**	**0.0119**	**0.6611**		**1,723.5037**	**1,723.5037**	**0.0293**		**1,724.2363**

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	13.2624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**13.4332**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.6644	0.3226	4.2253	0.0173	2.4479	0.0130	2.4609	0.6492	0.0119	0.6611		1,723.5037	1,723.5037	0.0293		1,724.2363
Total	**0.6644**	**0.3226**	**4.2253**	**0.0173**	**2.4479**	**0.0130**	**2.4609**	**0.6492**	**0.0119**	**0.6611**		**1,723.5037**	**1,723.5037**	**0.0293**		**1,724.2363**

3.7 Architectural Coating - 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					
Archit. Coating	13.2624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**13.3931**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.6226	0.2964	3.9700	0.0168	2.4479	0.0121	2.4600	0.6492	0.0111	0.6603		1,681.1071	1,681.1071	0.0269		1,681.7790
Total	**0.6226**	**0.2964**	**3.9700**	**0.0168**	**2.4479**	**0.0121**	**2.4600**	**0.6492**	**0.0111**	**0.6603**		**1,681.1071**	**1,681.1071**	**0.0269**		**1,681.7790**

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	13.2624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**13.3931**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.7 Architectural Coating - 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	0.0000	0.0000	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	0.6226	0.2964	3.9700	0.0168	2.4479	0.0121	2.4600	0.6492	0.0111	0.6603		1,681.1071	1,681.1071	0.0269		1,681.7790
Total	**0.6226**	**0.2964**	**3.9700**	**0.0168**	**2.4479**	**0.0121**	**2.4600**	**0.6492**	**0.0111**	**0.6603**		**1,681.1071**	**1,681.1071**	**0.0269**		**1,681.7790**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.2144	51.0675	102.7131	0.4774	49.1032	0.2981	49.4013	13.1331	0.2768	13.4099		48,983.7091	48,983.7091	2.1012		49,036.2396
Unmitigated	10.2964	56.6700	128.0159	0.6168	64.8262	0.3798	65.2060	17.3383	0.3528	17.6911		63,246.3900	63,246.3900	2.5978		63,311.3348

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,074.56	4,786.11	4389.14	14,415,584	10,919,228
City Park	0.00	0.00	0.00		
General Office Building	3,137.46	92.06	39.29	7,279,882	5,514,220
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,412.68	1,869.98	944.53	3,052,054	2,311,809
Total	8,624.70	6,748.15	5,372.96	24,747,520	18,745,257

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
City Park	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
General Office Building	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
Other Asphalt Surfaces	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
Regional Shopping Center	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2173	1.8642	0.8435	0.0119		0.1501	0.1501		0.1501	0.1501		2,370.4829	2,370.4829	0.0454	0.0435	2,384.5695
NaturalGas Unmitigated	0.2173	1.8642	0.8435	0.0119		0.1501	0.1501		0.1501	0.1501		2,370.4829	2,370.4829	0.0454	0.0435	2,384.5695

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	18913.7	0.2040	1.7430	0.7417	0.0111		0.1409	0.1409		0.1409	0.1409		2,225.1372	2,225.1372	0.0427	0.0408	2,238.3600
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
General Office Building	1067.3	0.0115	0.1046	0.0879	6.3000e-004		7.9500e-003	7.9500e-003		7.9500e-003	7.9500e-003		125.5642	125.5642	2.4100e-003	2.3000e-003	126.3104
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	168.143	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		19.7815	19.7815	3.8000e-004	3.6000e-004	19.8990
Total		**0.2173**	**1.8641**	**0.8435**	**0.0119**		**0.1501**	**0.1501**		**0.1501**	**0.1501**		**2,370.4829**	**2,370.4829**	**0.0454**	**0.0435**	**2,384.5695**

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	18.9137	0.2040	1.7430	0.7417	0.0111		0.1409	0.1409		0.1409	0.1409		2,225.1372	2,225.1372	0.0427	0.0408	2,238.3600
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
General Office Building	1.0673	0.0115	0.1046	0.0879	6.3000e-004		7.9500e-003	7.9500e-003		7.9500e-003	7.9500e-003		125.5642	125.5642	2.4100e-003	2.3000e-003	126.3104
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.168143	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		19.7815	19.7815	3.8000e-004	3.6000e-004	19.8990
Total		**0.2173**	**1.8641**	**0.8435**	**0.0119**		**0.1501**	**0.1501**		**0.1501**	**0.1501**		**2,370.4829**	**2,370.4829**	**0.0454**	**0.0435**	**2,384.5695**

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	19.8824	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427	0.0000	111.2884	111.2884	0.1061	0.0000	113.9401
Unmitigated	19.8824	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427	0.0000	111.2884	111.2884	0.1061	0.0000	113.9401

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	1.5121					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.5259					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	1.8444	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427		111.2884	111.2884	0.1061		113.9401
Total	**19.8824**	**0.7106**	**61.6407**	**3.2600e-003**		**0.3427**	**0.3427**		**0.3427**	**0.3427**	**0.0000**	**111.2884**	**111.2884**	**0.1061**	**0.0000**	**113.9401**

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	1.5121					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.5259					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	1.8444	0.7106	61.6407	3.2600e-003		0.3427	0.3427		0.3427	0.3427		111.2884	111.2884	0.1061		113.9401
Total	**19.8824**	**0.7106**	**61.6407**	**3.2600e-003**		**0.3427**	**0.3427**		**0.3427**	**0.3427**	**0.0000**	**111.2884**	**111.2884**	**0.1061**	**0.0000**	**113.9401**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 4)

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	37.42	1000sqft	0.00	37,422.00	0
Other Asphalt Surfaces	11.54	Acre	11.54	502,682.40	0
City Park	17.43	Acre	17.43	759,250.80	0
Apartments Mid Rise	749.00	Dwelling Unit	9.66	748,831.00	2142
Regional Shopping Center	37.42	1000sqft	1.37	37,422.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 4) - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Based on project plans dated July 19 2019; Central Park and Compton Creek acreage added to this phase

Construction Phase - Increased duration of construction phases for an overall duration of approximately 4 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	50.00	100.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	75.00	180.00
tblConstructionPhase	NumDays	55.00	390.00
tblConstructionPhase	PhaseEndDate	7/17/2026	9/25/2026
tblConstructionPhase	PhaseEndDate	8/28/2026	12/18/2026
tblConstructionPhase	PhaseEndDate	12/11/2026	8/27/2027
tblConstructionPhase	PhaseEndDate	10/12/2029	6/28/2030
tblConstructionPhase	PhaseEndDate	3/15/2030	6/28/2030
tblConstructionPhase	PhaseEndDate	12/28/2029	9/13/2030
tblConstructionPhase	PhaseStartDate	7/18/2026	9/26/2026

Compton Hub City Specific Plan (Phase 4) - South Coast AQMD Air District, Annual

tblConstructionPhase	PhaseStartDate	8/29/2026	12/19/2026
tblConstructionPhase	PhaseStartDate	12/12/2026	8/28/2027
tblConstructionPhase	PhaseStartDate	12/29/2029	1/1/2029
tblConstructionPhase	PhaseStartDate	10/13/2029	6/29/2030
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	74.90	0.00
tblFireplaces	NumberWood	37.45	0.00
tblGrading	AcresOfGrading	450.00	187.50
tblLandUse	LandUseSquareFeet	749,000.00	748,831.00
tblLandUse	LotAcreage	0.86	0.00
tblLandUse	LotAcreage	19.71	9.66
tblLandUse	LotAcreage	0.86	1.37
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	37.45	0.00
tblWoodstoves	NumberNoncatalytic	37.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.1980	1.9017	1.6792	3.7500e-003	0.7723	0.0805	0.8528	0.3418	0.0745	0.4163	0.0000	332.3862	332.3862	0.0898	0.0000	334.6317
2027	0.4882	3.9422	4.3692	0.0140	1.2575	0.1249	1.3824	0.4665	0.1155	0.5820	0.0000	1,271.5212	1,271.5212	0.1990	0.0000	1,276.4954
2028	0.6561	4.4387	5.8109	0.0244	1.8039	0.0805	1.8844	0.4847	0.0755	0.5603	0.0000	2,253.0493	2,253.0493	0.1363	0.0000	2,256.4565
2029	2.4638	4.6103	6.4446	0.0268	2.1244	0.0885	2.2129	0.5698	0.0835	0.6533	0.0000	2,470.5982	2,470.5982	0.1399	0.0000	2,474.0963
2030	1.2506	2.1441	3.5281	0.0141	1.0545	0.0260	1.0805	0.2829	0.0256	0.3084	0.0000	1,293.6874	1,293.6874	0.0426	0.0000	1,294.7513
Maximum	**2.4638**	**4.6103**	**6.4446**	**0.0268**	**2.1244**	**0.1249**	**2.2129**	**0.5698**	**0.1155**	**0.6533**	**0.0000**	**2,470.5982**	**2,470.5982**	**0.1990**	**0.0000**	**2,474.0963**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.1980	1.9017	1.6792	3.7500e-003	0.3595	0.0805	0.4400	0.1570	0.0745	0.2315	0.0000	332.3859	332.3859	0.0898	0.0000	334.6314
2027	0.4882	3.9422	4.3692	0.0140	0.9196	0.1249	1.0446	0.3050	0.1155	0.4204	0.0000	1,271.5206	1,271.5206	0.1990	0.0000	1,276.4947
2028	0.6561	4.4387	5.8109	0.0244	1.8039	0.0805	1.8844	0.4847	0.0755	0.5603	0.0000	2,253.0489	2,253.0489	0.1363	0.0000	2,256.4562
2029	2.4638	4.6103	6.4446	0.0268	2.1244	0.0885	2.2129	0.5698	0.0835	0.6533	0.0000	2,470.5978	2,470.5978	0.1399	0.0000	2,474.0959
2030	1.2506	2.1441	3.5281	0.0141	1.0545	0.0260	1.0805	0.2829	0.0256	0.3084	0.0000	1,293.6871	1,293.6871	0.0426	0.0000	1,294.7510
Maximum	**2.4638**	**4.6103**	**6.4446**	**0.0268**	**2.1244**	**0.1249**	**2.2129**	**0.5698**	**0.1155**	**0.6533**	**0.0000**	**2,470.5978**	**2,470.5978**	**0.1990**	**0.0000**	**2,474.0959**

	ROG	NOx	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**	**10.71**	**0.00**	**10.13**	**16.14**	**0.00**	**13.74**	**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	5-11-2026	8-10-2026	0.7393	0.7393
2	8-11-2026	11-10-2026	0.8264	0.8264
3	11-11-2026	2-10-2027	0.9742	0.9742
4	2-11-2027	5-10-2027	0.9835	0.9835
5	5-11-2027	8-10-2027	1.0165	1.0165
6	8-11-2027	11-10-2027	1.2467	1.2467

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7	**11-11-2027**	**2-10-2028**	1.2983	1.2983
8	**2-11-2028**	**5-10-2028**	1.2556	1.2556
9	**5-11-2028**	**8-10-2028**	1.2760	1.2760
10	**8-11-2028**	**11-10-2028**	1.2820	1.2820
11	**11-11-2028**	**2-10-2029**	1.5102	1.5102
12	**2-11-2029**	**5-10-2029**	1.7196	1.7196
13	**5-11-2029**	**8-10-2029**	1.7689	1.7689
14	**8-11-2029**	**11-10-2029**	1.7759	1.7759
15	**11-11-2029**	**2-10-2030**	1.7044	1.7044
16	**2-11-2030**	**5-10-2030**	1.5460	1.5460
17	**5-11-2030**	**8-10-2030**	0.9868	0.9868
18	**8-11-2030**	**9-30-2030**	0.1106	0.1106
		Highest	1.7759	1.7759

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	3.5225	0.0888	7.7051	4.1000e-004		0.0428	0.0428		0.0428	0.0428	0.0000	12.6199	12.6199	0.0120	0.0000	12.9206
Energy	0.0397	0.3402	0.1539	2.1600e-003		0.0274	0.0274		0.0274	0.0274	0.0000	1,653.3752	1,653.3752	0.0596	0.0180	1,660.2184
Mobile	1.4832	8.4654	19.1734	0.0924	9.4005	0.0559	9.4564	2.5181	0.0519	2.5700	0.0000	8,594.6190	8,594.6190	0.3444	0.0000	8,603.2300
Waste						0.0000	0.0000		0.0000	0.0000	85.2826	0.0000	85.2826	5.0401	0.0000	211.2840
Water						0.0000	0.0000		0.0000	0.0000	18.4715	444.4177	462.8891	1.9155	0.0486	525.2584
Total	**5.0453**	**8.8944**	**27.0324**	**0.0950**	**9.4005**	**0.1261**	**9.5266**	**2.5181**	**0.1221**	**2.6402**	**103.7541**	**10,705.0318**	**10,808.7859**	**7.3717**	**0.0666**	**11,012.9114**

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	3.5225	0.0888	7.7051	4.1000e-004		0.0428	0.0428		0.0428	0.0428	0.0000	12.6199	12.6199	0.0120	0.0000	12.9206
Energy	0.0397	0.3402	0.1539	2.1600e-003		0.0274	0.0274		0.0274	0.0274	0.0000	1,653.3752	1,653.3752	0.0596	0.0180	1,660.2184
Mobile	1.3223	7.6216	15.3291	0.0716	7.1205	0.0438	7.1643	1.9073	0.0407	1.9480	0.0000	6,662.8815	6,662.8815	0.2776	0.0000	6,669.8223
Waste						0.0000	0.0000		0.0000	0.0000	85.2826	0.0000	85.2826	5.0401	0.0000	211.2840
Water						0.0000	0.0000		0.0000	0.0000	14.7772	396.1069	410.8841	1.5341	0.0392	460.9247
Total	**4.8845**	**8.0506**	**23.1881**	**0.0741**	**7.1205**	**0.1141**	**7.2346**	**1.9073**	**0.1109**	**2.0183**	**100.0598**	**8,724.9836**	**8,825.0433**	**6.9234**	**0.0572**	**9,015.1700**

	ROG	NOx	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	**3.19**	**9.49**	**14.22**	**21.93**	**24.25**	**9.55**	**24.06**	**24.25**	**9.17**	**23.56**	**3.56**	**18.50**	**18.35**	**6.08**	**14.08**	**18.14**

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/11/2026	9/25/2026	5	100	
2	Site Preparation	Site Preparation	9/26/2026	12/18/2026	5	60	
3	Grading	Grading	12/19/2026	8/27/2027	5	180	
4	Building Construction	Building Construction	8/28/2027	6/28/2030	5	740	
5	Paving	Paving	6/29/2030	9/13/2030	5	55	
6	Architectural Coating	Architectural Coating	1/1/2029	6/28/2030	5	390	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 11.54

Residential Indoor: 1,516,383; Residential Outdoor: 505,461; Non-Residential Indoor: 112,266; Non-Residential Outdoor: 37,422; Striped Parking Area: 30,161 (Architectural Coating – sqft)

OffRoad Equipment

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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	759.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,093.00	299.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	219.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0821	0.0000	0.0821	0.0124	0.0000	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1046	0.9598	0.9709	1.9400e-003		0.0426	0.0426		0.0396	0.0396	0.0000	169.9883	169.9883	0.0475	0.0000	171.1749
Total	**0.1046**	**0.9598**	**0.9709**	**1.9400e-003**	**0.0821**	**0.0426**	**0.1248**	**0.0124**	**0.0396**	**0.0520**	**0.0000**	**169.9883**	**169.9883**	**0.0475**	**0.0000**	**171.1749**

3.2 Demolition - 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	1.7400e-003	0.0564	0.0193	2.7000e-004	6.5200e-003	1.0000e-004	6.6300e-003	1.7900e-003	1.0000e-004	1.8900e-003	0.0000	26.5005	26.5005	1.7300e-003	0.0000	26.5437
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	2.3800e-003	1.4500e-003	0.0180	7.0000e-005	8.2300e-003	5.0000e-005	8.2800e-003	2.1900e-003	5.0000e-005	2.2400e-003	0.0000	5.9613	5.9613	1.2000e-004	0.0000	5.9643
Total	**4.1200e-003**	**0.0579**	**0.0373**	**3.4000e-004**	**0.0148**	**1.5000e-004**	**0.0149**	**3.9800e-003**	**1.5000e-004**	**4.1300e-003**	**0.0000**	**32.4617**	**32.4617**	**1.8500e-003**	**0.0000**	**32.5080**

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					0.0370	0.0000	0.0370	5.6000e-003	0.0000	5.6000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1046	0.9598	0.9709	1.9400e-003		0.0426	0.0426		0.0396	0.0396	0.0000	169.9881	169.9881	0.0475	0.0000	171.1747
Total	**0.1046**	**0.9598**	**0.9709**	**1.9400e-003**	**0.0370**	**0.0426**	**0.0796**	**5.6000e-003**	**0.0396**	**0.0452**	**0.0000**	**169.9881**	**169.9881**	**0.0475**	**0.0000**	**171.1747**

3.2 Demolition - 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	1.7400e-003	0.0564	0.0193	2.7000e-004	6.5200e-003	1.0000e-004	6.6300e-003	1.7900e-003	1.0000e-004	1.8900e-003	0.0000	26.5005	26.5005	1.7300e-003	0.0000	26.5437
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	2.3800e-003	1.4500e-003	0.0180	7.0000e-005	8.2300e-003	5.0000e-005	8.2800e-003	2.1900e-003	5.0000e-005	2.2400e-003	0.0000	5.9613	5.9613	1.2000e-004	0.0000	5.9643
Total	**4.1200e-003**	**0.0579**	**0.0373**	**3.4000e-004**	**0.0148**	**1.5000e-004**	**0.0149**	**3.9800e-003**	**1.5000e-004**	**4.1300e-003**	**0.0000**	**32.4617**	**32.4617**	**1.8500e-003**	**0.0000**	**32.5080**

3.3 Site Preparation - 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					
Fugitive Dust					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0742	0.7570	0.5374	1.1400e-003		0.0326	0.0326		0.0300	0.0300	0.0000	100.4010	100.4010	0.0325	0.0000	101.2128
Total	**0.0742**	**0.7570**	**0.5374**	**1.1400e-003**	**0.5420**	**0.0326**	**0.5746**	**0.2979**	**0.0300**	**0.3279**	**0.0000**	**100.4010**	**100.4010**	**0.0325**	**0.0000**	**101.2128**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	1.7100e-003	1.0400e-003	0.0130	5.0000e-005	5.9200e-003	4.0000e-005	5.9600e-003	1.5700e-003	4.0000e-005	1.6100e-003	0.0000	4.2921	4.2921	9.0000e-005	0.0000	4.2943
Total	**1.7100e-003**	**1.0400e-003**	**0.0130**	**5.0000e-005**	**5.9200e-003**	**4.0000e-005**	**5.9600e-003**	**1.5700e-003**	**4.0000e-005**	**1.6100e-003**	**0.0000**	**4.2921**	**4.2921**	**9.0000e-005**	**0.0000**	**4.2943**

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					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0742	0.7570	0.5374	1.1400e-003		0.0326	0.0326		0.0300	0.0300	0.0000	100.4008	100.4008	0.0325	0.0000	101.2126
Total	**0.0742**	**0.7570**	**0.5374**	**1.1400e-003**	**0.2439**	**0.0326**	**0.2765**	**0.1341**	**0.0300**	**0.1641**	**0.0000**	**100.4008**	**100.4008**	**0.0325**	**0.0000**	**101.2126**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	1.7100e-003	1.0400e-003	0.0130	5.0000e-005	5.9200e-003	4.0000e-005	5.9600e-003	1.5700e-003	4.0000e-005	1.6100e-003	0.0000	4.2921	4.2921	9.0000e-005	0.0000	4.2943
Total	**1.7100e-003**	**1.0400e-003**	**0.0130**	**5.0000e-005**	**5.9200e-003**	**4.0000e-005**	**5.9600e-003**	**1.5700e-003**	**4.0000e-005**	**1.6100e-003**	**0.0000**	**4.2921**	**4.2921**	**9.0000e-005**	**0.0000**	**4.2943**

3.4 Grading - 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					
Fugitive Dust					0.1265	0.0000	0.1265	0.0256	0.0000	0.0256	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.1257	0.1185	2.8000e-004		5.0900e-003	5.0900e-003		4.6800e-003	4.6800e-003	0.0000	24.5278	24.5278	7.9300e-003	0.0000	24.7261
Total	**0.0131**	**0.1257**	**0.1185**	**2.8000e-004**	**0.1265**	**5.0900e-003**	**0.1316**	**0.0256**	**4.6800e-003**	**0.0303**	**0.0000**	**24.5278**	**24.5278**	**7.9300e-003**	**0.0000**	**24.7261**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	2.9000e-004	1.7000e-004	2.1600e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7154	0.7154	1.0000e-005	0.0000	0.7157
Total	**2.9000e-004**	**1.7000e-004**	**2.1600e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.7154**	**0.7154**	**1.0000e-005**	**0.0000**	**0.7157**

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					0.0569	0.0000	0.0569	0.0115	0.0000	0.0115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.1257	0.1185	2.8000e-004		5.0900e-003	5.0900e-003		4.6800e-003	4.6800e-003	0.0000	24.5278	24.5278	7.9300e-003	0.0000	24.7261
Total	**0.0131**	**0.1257**	**0.1185**	**2.8000e-004**	**0.0569**	**5.0900e-003**	**0.0620**	**0.0115**	**4.6800e-003**	**0.0162**	**0.0000**	**24.5278**	**24.5278**	**7.9300e-003**	**0.0000**	**24.7261**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	2.9000e-004	1.7000e-004	2.1600e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7154	0.7154	1.0000e-005	0.0000	0.7157
Total	**2.9000e-004**	**1.7000e-004**	**2.1600e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.7154**	**0.7154**	**1.0000e-005**	**0.0000**	**0.7157**

3.4 Grading - 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					
Fugitive Dust					0.6143	0.0000	0.6143	0.2938	0.0000	0.2938	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2481	2.3891	2.2513	5.3100e-003		0.0967	0.0967		0.0890	0.0890	0.0000	466.0281	466.0281	0.1507	0.0000	469.7962
Total	**0.2481**	**2.3891**	**2.2513**	**5.3100e-003**	**0.6143**	**0.0967**	**0.7110**	**0.2938**	**0.0890**	**0.3827**	**0.0000**	**466.0281**	**466.0281**	**0.1507**	**0.0000**	**469.7962**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	5.1800e-003	3.0400e-003	0.0385	1.5000e-004	0.0188	1.2000e-004	0.0189	4.9800e-003	1.1000e-004	5.0900e-003	0.0000	13.1512	13.1512	2.5000e-004	0.0000	13.1574
Total	**5.1800e-003**	**3.0400e-003**	**0.0385**	**1.5000e-004**	**0.0188**	**1.2000e-004**	**0.0189**	**4.9800e-003**	**1.1000e-004**	**5.0900e-003**	**0.0000**	**13.1512**	**13.1512**	**2.5000e-004**	**0.0000**	**13.1574**

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					0.2764	0.0000	0.2764	0.1322	0.0000	0.1322	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2481	2.3891	2.2513	5.3100e-003		0.0967	0.0967		0.0890	0.0890	0.0000	466.0276	466.0276	0.1507	0.0000	469.7956
Total	**0.2481**	**2.3891**	**2.2513**	**5.3100e-003**	**0.2764**	**0.0967**	**0.3731**	**0.1322**	**0.0890**	**0.2212**	**0.0000**	**466.0276**	**466.0276**	**0.1507**	**0.0000**	**469.7956**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	5.1800e-003	3.0400e-003	0.0385	1.5000e-004	0.0188	1.2000e-004	0.0189	4.9800e-003	1.1000e-004	5.0900e-003	0.0000	13.1512	13.1512	2.5000e-004	0.0000	13.1574
Total	**5.1800e-003**	**3.0400e-003**	**0.0385**	**1.5000e-004**	**0.0188**	**1.2000e-004**	**0.0189**	**4.9800e-003**	**1.1000e-004**	**5.0900e-003**	**0.0000**	**13.1512**	**13.1512**	**2.5000e-004**	**0.0000**	**13.1574**

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	0.0615	0.5611	0.7238	1.2100e-003		0.0237	0.0237		0.0223	0.0223	0.0000	104.3638	104.3638	0.0245	0.0000	104.9771
Total	**0.0615**	**0.5611**	**0.7238**	**1.2100e-003**		**0.0237**	**0.0237**		**0.0223**	**0.0223**	**0.0000**	**104.3638**	**104.3638**	**0.0245**	**0.0000**	**104.9771**

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	0.0245	0.9013	0.2480	3.1800e-003	0.0848	9.9000e-004	0.0858	0.0245	9.4000e-004	0.0254	0.0000	309.7085	309.7085	0.0163	0.0000	310.1152
Worker	0.1489	0.0876	1.1076	4.1800e-003	0.5396	3.3900e-003	0.5430	0.1433	3.1200e-003	0.1464	0.0000	378.2697	378.2697	7.1900e-003	0.0000	378.4495
Total	**0.1734**	**0.9889**	**1.3556**	**7.3600e-003**	**0.6244**	**4.3800e-003**	**0.6288**	**0.1678**	**4.0600e-003**	**0.1719**	**0.0000**	**687.9782**	**687.9782**	**0.0235**	**0.0000**	**688.5647**

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	0.0615	0.5611	0.7238	1.2100e-003		0.0237	0.0237		0.0223	0.0223	0.0000	104.3636	104.3636	0.0245	0.0000	104.9770
Total	**0.0615**	**0.5611**	**0.7238**	**1.2100e-003**		**0.0237**	**0.0237**		**0.0223**	**0.0223**	**0.0000**	**104.3636**	**104.3636**	**0.0245**	**0.0000**	**104.9770**

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	0.0245	0.9013	0.2480	3.1800e-003	0.0848	9.9000e-004	0.0858	0.0245	9.4000e-004	0.0254	0.0000	309.7085	309.7085	0.0163	0.0000	310.1152
Worker	0.1489	0.0876	1.1076	4.1800e-003	0.5396	3.3900e-003	0.5430	0.1433	3.1200e-003	0.1464	0.0000	378.2697	378.2697	7.1900e-003	0.0000	378.4495
Total	**0.1734**	**0.9889**	**1.3556**	**7.3600e-003**	**0.6244**	**4.3800e-003**	**0.6288**	**0.1678**	**4.0600e-003**	**0.1719**	**0.0000**	**687.9782**	**687.9782**	**0.0235**	**0.0000**	**688.5647**

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	0.0695	2.5837	0.7069	9.1600e-003	0.2450	2.8100e-003	0.2478	0.0707	2.6900e-003	0.0734	0.0000	891.0070	891.0070	0.0463	0.0000	892.1636
Worker	0.4088	0.2339	3.0130	0.0117	1.5589	9.0700e-003	1.5680	0.4140	8.3400e-003	0.4224	0.0000	1,060.5470	1,060.5470	0.0192	0.0000	1,061.0259
Total	**0.4783**	**2.8176**	**3.7199**	**0.0209**	**1.8039**	**0.0119**	**1.8158**	**0.4847**	**0.0110**	**0.4957**	**0.0000**	**1,951.5540**	**1,951.5540**	**0.0654**	**0.0000**	**1,953.1895**

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	0.0695	2.5837	0.7069	9.1600e-003	0.2450	2.8100e-003	0.2478	0.0707	2.6900e-003	0.0734	0.0000	891.0070	891.0070	0.0463	0.0000	892.1636
Worker	0.4088	0.2339	3.0130	0.0117	1.5589	9.0700e-003	1.5680	0.4140	8.3400e-003	0.4224	0.0000	1,060.5470	1,060.5470	0.0192	0.0000	1,061.0259
Total	**0.4783**	**2.8176**	**3.7199**	**0.0209**	**1.8039**	**0.0119**	**1.8158**	**0.4847**	**0.0110**	**0.4957**	**0.0000**	**1,951.5540**	**1,951.5540**	**0.0654**	**0.0000**	**1,953.1895**

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	0.0687	2.5740	0.7005	9.1500e-003	0.2460	2.7700e-003	0.2487	0.0710	2.6500e-003	0.0736	0.0000	891.1212	891.1212	0.0458	0.0000	892.2658
Worker	0.3863	0.2163	2.8399	0.0114	1.5649	8.4600e-003	1.5734	0.4156	7.7800e-003	0.4234	0.0000	1,035.9359	1,035.9359	0.0176	0.0000	1,036.3770
Total	**0.4549**	**2.7902**	**3.5404**	**0.0206**	**1.8109**	**0.0112**	**1.8221**	**0.4866**	**0.0104**	**0.4970**	**0.0000**	**1,927.0570**	**1,927.0570**	**0.0634**	**0.0000**	**1,928.6428**

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	0.0687	2.5740	0.7005	9.1500e-003	0.2460	2.7700e-003	0.2487	0.0710	2.6500e-003	0.0736	0.0000	891.1212	891.1212	0.0458	0.0000	892.2658
Worker	0.3863	0.2163	2.8399	0.0114	1.5649	8.4600e-003	1.5734	0.4156	7.7800e-003	0.4234	0.0000	1,035.9359	1,035.9359	0.0176	0.0000	1,036.3770
Total	**0.4549**	**2.7902**	**3.5404**	**0.0206**	**1.8109**	**0.0112**	**1.8221**	**0.4866**	**0.0104**	**0.4970**	**0.0000**	**1,927.0570**	**1,927.0570**	**0.0634**	**0.0000**	**1,928.6428**

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	0.0844	0.5118	1.0421	2.0000e-003		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003	0.0000	169.5454	169.5454	6.8000e-003	0.0000	169.7154
Total	**0.0844**	**0.5118**	**1.0421**	**2.0000e-003**		**9.5600e-003**	**9.5600e-003**		**9.5600e-003**	**9.5600e-003**	**0.0000**	**169.5454**	**169.5454**	**6.8000e-003**	**0.0000**	**169.7154**

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	0.0335	1.2628	0.3428	4.5100e-003	0.1216	1.3500e-003	0.1229	0.0351	1.2900e-003	0.0364	0.0000	438.9717	438.9717	0.0223	0.0000	439.5300
Worker	0.1788	0.0982	1.3193	5.5200e-003	0.7735	3.8900e-003	0.7774	0.2054	3.5800e-003	0.2090	0.0000	499.4359	499.4359	8.0000e-003	0.0000	499.6359
Total	**0.2122**	**1.3610**	**1.6621**	**0.0100**	**0.8950**	**5.2400e-003**	**0.9003**	**0.2405**	**4.8700e-003**	**0.2454**	**0.0000**	**938.4076**	**938.4076**	**0.0303**	**0.0000**	**939.1659**

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	0.0844	0.5118	1.0421	2.0000e-003		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003	0.0000	169.5452	169.5452	6.8000e-003	0.0000	169.7152
Total	**0.0844**	**0.5118**	**1.0421**	**2.0000e-003**		**9.5600e-003**	**9.5600e-003**		**9.5600e-003**	**9.5600e-003**	**0.0000**	**169.5452**	**169.5452**	**6.8000e-003**	**0.0000**	**169.7152**

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	0.0335	1.2628	0.3428	4.5100e-003	0.1216	1.3500e-003	0.1229	0.0351	1.2900e-003	0.0364	0.0000	438.9717	438.9717	0.0223	0.0000	439.5300
Worker	0.1788	0.0982	1.3193	5.5200e-003	0.7735	3.8900e-003	0.7774	0.2054	3.5800e-003	0.2090	0.0000	499.4359	499.4359	8.0000e-003	0.0000	499.6359
Total	**0.2122**	**1.3610**	**1.6621**	**0.0100**	**0.8950**	**5.2400e-003**	**0.9003**	**0.2405**	**4.8700e-003**	**0.2454**	**0.0000**	**938.4076**	**938.4076**	**0.0303**	**0.0000**	**939.1659**

3.6 Paving - 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	0.0381	0.1958	0.4359	7.7000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003	0.0000	66.2737	66.2737	3.1100e-003	0.0000	66.3513
Paving	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0532**	**0.1958**	**0.4359**	**7.7000e-004**		**9.0900e-003**	**9.0900e-003**		**9.0900e-003**	**9.0900e-003**	**0.0000**	**66.2737**	**66.2737**	**3.1100e-003**	**0.0000**	**66.3513**

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	1.0500e-003	5.7000e-004	7.7200e-003	3.0000e-005	4.5300e-003	2.0000e-005	4.5500e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	2.9223	2.9223	5.0000e-005	0.0000	2.9235
Total	**1.0500e-003**	**5.7000e-004**	**7.7200e-003**	**3.0000e-005**	**4.5300e-003**	**2.0000e-005**	**4.5500e-003**	**1.2000e-003**	**2.0000e-005**	**1.2200e-003**	**0.0000**	**2.9223**	**2.9223**	**5.0000e-005**	**0.0000**	**2.9235**

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	0.0381	0.1958	0.4359	7.7000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003	0.0000	66.2736	66.2736	3.1100e-003	0.0000	66.3513
Paving	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0532**	**0.1958**	**0.4359**	**7.7000e-004**		**9.0900e-003**	**9.0900e-003**		**9.0900e-003**	**9.0900e-003**	**0.0000**	**66.2736**	**66.2736**	**3.1100e-003**	**0.0000**	**66.3513**

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	1.0500e-003	5.7000e-004	7.7200e-003	3.0000e-005	4.5300e-003	2.0000e-005	4.5500e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	2.9223	2.9223	5.0000e-005	0.0000	2.9235
Total	**1.0500e-003**	**5.7000e-004**	**7.7200e-003**	**3.0000e-005**	**4.5300e-003**	**2.0000e-005**	**4.5500e-003**	**1.2000e-003**	**2.0000e-005**	**1.2200e-003**	**0.0000**	**2.9223**	**2.9223**	**5.0000e-005**	**0.0000**	**2.9235**

3.7 Architectural Coating - 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					
Archit. Coating	1.7307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**1.7530**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0774	0.0433	0.5690	2.2900e-003	0.3136	1.6900e-003	0.3153	0.0833	1.5600e-003	0.0848	0.0000	207.5663	207.5663	3.5400e-003	0.0000	207.6547
Total	**0.0774**	**0.0433**	**0.5690**	**2.2900e-003**	**0.3136**	**1.6900e-003**	**0.3153**	**0.0833**	**1.5600e-003**	**0.0848**	**0.0000**	**207.5663**	**207.5663**	**3.5400e-003**	**0.0000**	**207.6547**

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	1.7307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**1.7530**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0774	0.0433	0.5690	2.2900e-003	0.3136	1.6900e-003	0.3153	0.0833	1.5600e-003	0.0848	0.0000	207.5663	207.5663	3.5400e-003	0.0000	207.6547
Total	**0.0774**	**0.0433**	**0.5690**	**2.2900e-003**	**0.3136**	**1.6900e-003**	**0.3153**	**0.0833**	**1.5600e-003**	**0.0848**	**0.0000**	**207.5663**	**207.5663**	**3.5400e-003**	**0.0000**	**207.6547**

3.7 Architectural Coating - 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					
Archit. Coating	0.8554					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4300e-003	0.0552	0.1160	1.9000e-004		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	16.4685	16.4685	6.7000e-004	0.0000	16.4852
Total	**0.8639**	**0.0552**	**0.1160**	**1.9000e-004**		**1.3100e-003**	**1.3100e-003**		**1.3100e-003**	**1.3100e-003**	**0.0000**	**16.4685**	**16.4685**	**6.7000e-004**	**0.0000**	**16.4852**

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0358	0.0197	0.2643	1.1100e-003	0.1550	7.8000e-004	0.1558	0.0412	7.2000e-004	0.0419	0.0000	100.0700	100.0700	1.6000e-003	0.0000	100.1100
Total	**0.0358**	**0.0197**	**0.2643**	**1.1100e-003**	**0.1550**	**7.8000e-004**	**0.1558**	**0.0412**	**7.2000e-004**	**0.0419**	**0.0000**	**100.0700**	**100.0700**	**1.6000e-003**	**0.0000**	**100.1100**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8554					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4300e-003	0.0552	0.1160	1.9000e-004		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	16.4685	16.4685	6.7000e-004	0.0000	16.4851
Total	**0.8639**	**0.0552**	**0.1160**	**1.9000e-004**		**1.3100e-003**	**1.3100e-003**		**1.3100e-003**	**1.3100e-003**	**0.0000**	**16.4685**	**16.4685**	**6.7000e-004**	**0.0000**	**16.4851**

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0358	0.0197	0.2643	1.1100e-003	0.1550	7.8000e-004	0.1558	0.0412	7.2000e-004	0.0419	0.0000	100.0700	100.0700	1.6000e-003	0.0000	100.1100
Total	**0.0358**	**0.0197**	**0.2643**	**1.1100e-003**	**0.1550**	**7.8000e-004**	**0.1558**	**0.0412**	**7.2000e-004**	**0.0419**	**0.0000**	**100.0700**	**100.0700**	**1.6000e-003**	**0.0000**	**100.1100**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3223	7.6216	15.3291	0.0716	7.1205	0.0438	7.1643	1.9073	0.0407	1.9480	0.0000	6,662.8815	6,662.8815	0.2776	0.0000	6,669.8223
Unmitigated	1.4832	8.4654	19.1734	0.0924	9.4005	0.0559	9.4564	2.5181	0.0519	2.5700	0.0000	8,594.6190	8,594.6190	0.3444	0.0000	8,603.2300

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,074.56	4,786.11	4389.14	14,415,584	10,919,228
City Park	0.00	0.00	0.00		
General Office Building	3,137.46	92.06	39.29	7,279,882	5,514,220
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,412.68	1,869.98	944.53	3,052,054	2,311,809
Total	8,624.70	6,748.15	5,372.96	24,747,520	18,745,257

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
City Park	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
General Office Building	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
Other Asphalt Surfaces	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757
Regional Shopping Center	0.552035	0.041482	0.206421	0.111285	0.012766	0.005738	0.022315	0.037879	0.002185	0.001506	0.004914	0.000717	0.000757

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,260.9152	1,260.9152	0.0521	0.0108	1,265.4262
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,260.9152	1,260.9152	0.0521	0.0108	1,265.4262
NaturalGas Mitigated	0.0397	0.3402	0.1539	2.1600e-003		0.0274	0.0274		0.0274	0.0274	0.0000	392.4600	392.4600	7.5200e-003	7.2000e-003	394.7922
NaturalGas Unmitigated	0.0397	0.3402	0.1539	2.1600e-003		0.0274	0.0274		0.0274	0.0274	0.0000	392.4600	392.4600	7.5200e-003	7.2000e-003	394.7922

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	6.90349e+006	0.0372	0.3181	0.1354	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.3964	368.3964	7.0600e-003	6.7500e-003	370.5856
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
General Office Building	389563	2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7886	20.7886	4.0000e-004	3.8000e-004	20.9121
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	61372.1	3.3000e-004	3.0100e-003	2.5300e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2751	3.2751	6.0000e-005	6.0000e-005	3.2945
Total		**0.0397**	**0.3402**	**0.1539**	**2.1600e-003**		**0.0274**	**0.0274**		**0.0274**	**0.0274**	**0.0000**	**392.4600**	**392.4600**	**7.5200e-003**	**7.1900e-003**	**394.7922**

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	6.90349e+006	0.0372	0.3181	0.1354	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.3964	368.3964	7.0600e-003	6.7500e-003	370.5856
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
General Office Building	389563	2.1000e-003	0.0191	0.0160	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7886	20.7886	4.0000e-004	3.8000e-004	20.9121
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	61372.1	3.3000e-004	3.0100e-003	2.5300e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2751	3.2751	6.0000e-005	6.0000e-005	3.2945
Total		**0.0397**	**0.3402**	**0.1539**	**2.1600e-003**		**0.0274**	**0.0274**		**0.0274**	**0.0274**	**0.0000**	**392.4600**	**392.4600**	**7.5200e-003**	**7.1900e-003**	**394.7922**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.9661e+006	945.0630	0.0390	8.0700e-003	948.4440
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	486112	154.8856	6.3900e-003	1.3200e-003	155.4397
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	505197	160.9666	6.6500e-003	1.3700e-003	161.5425
Total		**1,260.9152**	**0.0521**	**0.0108**	**1,265.4262**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.9661e+006	945.0630	0.0390	8.0700e-003	948.4440
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	486112	154.8856	6.3900e-003	1.3200e-003	155.4397
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	505197	160.9666	6.6500e-003	1.3700e-003	161.5425
Total		**1,260.9152**	**0.0521**	**0.0108**	**1,265.4262**

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	3.5225	0.0888	7.7051	4.1000e-004		0.0428	0.0428		0.0428	0.0428	0.0000	12.6199	12.6199	0.0120	0.0000	12.9206
Unmitigated	3.5225	0.0888	7.7051	4.1000e-004		0.0428	0.0428		0.0428	0.0428	0.0000	12.6199	12.6199	0.0120	0.0000	12.9206

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2760					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.0160					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	0.2306	0.0888	7.7051	4.1000e-004		0.0428	0.0428		0.0428	0.0428	0.0000	12.6199	12.6199	0.0120	0.0000	12.9206
Total	**3.5225**	**0.0888**	**7.7051**	**4.1000e-004**		**0.0428**	**0.0428**		**0.0428**	**0.0428**	**0.0000**	**12.6199**	**12.6199**	**0.0120**	**0.0000**	**12.9206**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2760					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.0160					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	0.2306	0.0888	7.7051	4.1000e-004		0.0428	0.0428		0.0428	0.0428	0.0000	12.6199	12.6199	0.0120	0.0000	12.9206
Total	**3.5225**	**0.0888**	**7.7051**	**4.1000e-004**		**0.0428**	**0.0428**		**0.0428**	**0.0428**	**0.0000**	**12.6199**	**12.6199**	**0.0120**	**0.0000**	**12.9206**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	410.8841	1.5341	0.0392	460.9247
Unmitigated	462.8891	1.9155	0.0486	525.2584

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	48.8004 / 30.7654	326.8497	1.6030	0.0402	378.9067
City Park	0 / 20.7675	73.5146	3.0400e-003	6.3000e-004	73.7776
General Office Building	6.6508 / 4.07629	44.1322	0.2185	5.4800e-003	51.2254
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.77179 / 1.69884	18.3926	0.0910	2.2800e-003	21.3488
Total		**462.8891**	**1.9156**	**0.0486**	**525.2584**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	39.0403 / 30.7654	283.2610	1.2833	0.0324	324.9845
City Park	0 / 20.7675	73.5146	3.0400e-003	6.3000e-004	73.7776
General Office Building	5.32064 / 4.07629	38.1917	0.1749	4.4100e-003	43.8766
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.21744 / 1.69884	15.9168	0.0729	1.8400e-003	18.2860
Total		**410.8841**	**1.5341**	**0.0392**	**460.9247**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	85.2826	5.0401	0.0000	211.2840
Unmitigated	85.2826	5.0401	0.0000	211.2840

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	344.54	69.9385	4.1333	0.0000	173.2697
City Park	1.5	0.3045	0.0180	0.0000	0.7544
General Office Building	34.8	7.0641	0.4175	0.0000	17.5010
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	39.29	7.9755	0.4713	0.0000	19.7590
Total		**85.2826**	**5.0401**	**0.0000**	**211.2840**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	344.54	69.9385	4.1333	0.0000	173.2697
City Park	1.5	0.3045	0.0180	0.0000	0.7544
General Office Building	34.8	7.0641	0.4175	0.0000	17.5010
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	39.29	7.9755	0.4713	0.0000	19.7590
Total		**85.2826**	**5.0401**	**0.0000**	**211.2840**

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

Compton Hub City Specific Plan (Phase 5)

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.30	1000sqft	1.90	26,296.00	0
Other Asphalt Surfaces	11.54	Acre	4.18	502,682.40	0
City Park	0.86	Acre	0.86	37,461.60	0
Apartments Mid Rise	526.00	Dwelling Unit	3.56	525,917.00	1504
Regional Shopping Center	26.30	1000sqft	0.00	26,296.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2034
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 5) - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	30.00	90.00
tblConstructionPhase	NumDays	300.00	550.00
tblConstructionPhase	NumDays	20.00	294.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	10/11/2030	12/6/2030
tblConstructionPhase	PhaseEndDate	10/25/2030	1/31/2031
tblConstructionPhase	PhaseEndDate	12/6/2030	6/6/2031

tblConstructionPhase	PhaseEndDate	1/30/2032	7/15/2033
tblConstructionPhase	PhaseEndDate	3/26/2032	7/15/2033
tblConstructionPhase	PhaseEndDate	2/27/2032	9/2/2033
tblConstructionPhase	PhaseStartDate	10/12/2030	12/7/2030
tblConstructionPhase	PhaseStartDate	10/26/2030	2/1/2031
tblConstructionPhase	PhaseStartDate	12/7/2030	6/7/2031
tblConstructionPhase	PhaseStartDate	2/28/2032	6/1/2032
tblConstructionPhase	PhaseStartDate	1/31/2032	7/16/2033
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	52.60	0.00
tblFireplaces	NumberWood	26.30	0.00
tblGrading	AcresOfGrading	225.00	75.00
tblLandUse	LandUseSquareFeet	26,300.00	26,296.00
tblLandUse	LandUseSquareFeet	526,000.00	525,917.00
tblLandUse	LandUseSquareFeet	26,300.00	26,296.00
tblLandUse	LotAcreage	0.60	1.90
tblLandUse	LotAcreage	11.54	4.18
tblLandUse	LotAcreage	13.84	3.56
tblLandUse	LotAcreage	0.60	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00

tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	26.30	0.00
tblWoodstoves	NumberNoncatalytic	26.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	2.4857	13.6903	19.7466	0.0547	18.2675	0.4377	18.7051	9.9840	0.4376	10.4216	0.0000	5,291.4200	5,291.4200	0.2369	0.0000	5,297.3419
2031	3.3277	18.5433	30.7131	0.1172	18.2675	0.4890	18.7051	9.9840	0.4889	10.4216	0.0000	11,782.5047	11,782.5047	0.3804	0.0000	11,792.0153
2032	15.8228	19.4087	34.0542	0.1289	9.3178	0.2147	9.5325	2.4933	0.2114	2.7047	0.0000	12,934.3517	12,934.3517	0.3977	0.0000	12,944.2931
2033	15.7127	19.2938	33.3330	0.1278	9.3178	0.3313	9.5300	2.4933	0.3313	2.7024	0.0000	12,824.0138	12,824.0138	0.3897	0.0000	12,833.7564
Maximum	**15.8228**	**19.4087**	**34.0542**	**0.1289**	**18.2675**	**0.4890**	**18.7051**	**9.9840**	**0.4889**	**10.4216**	**0.0000**	**12,934.3517**	**12,934.3517**	**0.3977**	**0.0000**	**12,944.2931**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	2.4857	13.6903	19.7466	0.0547	8.3310	0.4377	8.7687	4.5222	0.4376	4.9597	0.0000	5,291.4200	5,291.4200	0.2369	0.0000	5,297.3419
2031	3.3277	18.5433	30.7131	0.1172	8.3310	0.4890	8.7686	4.5222	0.4889	4.9597	0.0000	11,782.5047	11,782.5047	0.3804	0.0000	11,792.0153
2032	15.8228	19.4087	34.0542	0.1289	9.3178	0.2147	9.5325	2.4933	0.2114	2.7047	0.0000	12,934.3517	12,934.3517	0.3977	0.0000	12,944.2931
2033	15.7127	19.2938	33.3330	0.1278	9.3178	0.3313	9.5300	2.4933	0.3313	2.7024	0.0000	12,824.0138	12,824.0138	0.3897	0.0000	12,833.7564
Maximum	**15.8228**	**19.4087**	**34.0542**	**0.1289**	**9.3178**	**0.4890**	**9.5325**	**4.5222**	**0.4889**	**4.9597**	**0.0000**	**12,934.3517**	**12,934.3517**	**0.3977**	**0.0000**	**12,944.2931**

	ROG	NOx	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**	**36.02**	**0.00**	**35.19**	**43.77**	**0.00**	**41.61**	**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	13.9363	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407	0.0000	78.1527	78.1527	0.0745	0.0000	80.0148
Energy	0.1526	1.3092	0.5924	8.3200e-003		0.1054	0.1054		0.1054	0.1054		1,664.7791	1,664.7791	0.0319	0.0305	1,674.6721
Mobile	6.5966	37.9038	83.7178	0.4359	45.5442	0.2134	45.7576	12.1808	0.1983	12.3791		44,754.8335	44,754.8335	1.6504		44,796.0927
Total	**20.6855**	**39.7120**	**127.5978**	**0.4465**	**45.5442**	**0.5595**	**46.1037**	**12.1808**	**0.5444**	**12.7252**	**0.0000**	**46,497.7654**	**46,497.7654**	**1.7568**	**0.0305**	**46,550.7796**

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	13.9363	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407	0.0000	78.1527	78.1527	0.0745	0.0000	80.0148
Energy	0.1526	1.3092	0.5924	8.3200e-003		0.1054	0.1054		0.1054	0.1054		1,664.7791	1,664.7791	0.0319	0.0305	1,674.6721
Mobile	5.8857	34.6061	66.3158	0.3382	34.4979	0.1672	34.6652	9.2264	0.1554	9.3818		34,750.1911	34,750.1911	1.3273		34,783.3724
Total	**19.9746**	**36.4142**	**110.1958**	**0.3488**	**34.4979**	**0.5134**	**35.0113**	**9.2264**	**0.5015**	**9.7279**	**0.0000**	**36,493.1230**	**36,493.1230**	**1.4336**	**0.0305**	**36,538.0593**

	ROG	NOx	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	**3.44**	**8.30**	**13.64**	**21.89**	**24.25**	**8.25**	**24.06**	**24.25**	**7.88**	**23.55**	**0.00**	**21.52**	**21.52**	**18.39**	**0.00**	**21.51**

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	9/16/2030	12/6/2030	5	60	
2	Site Preparation	Site Preparation	12/7/2030	1/31/2031	5	40	
3	Grading	Grading	2/1/2031	6/6/2031	5	90	
4	Building Construction	Building Construction	6/7/2031	7/15/2033	5	550	
5	Architectural Coating	Architectural Coating	6/1/2032	7/15/2033	5	294	
6	Paving	Paving	7/16/2033	9/2/2033	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 4.18

Residential Indoor: 1,064,982; Residential Outdoor: 354,994; Non-Residential Indoor: 78,888; Non-Residential Outdoor: 26,296; Striped Parking Area: 30,161 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 5) - South Coast AQMD Air District, 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	621.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	622.00	153.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	124.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					2.2417	0.0000	2.2417	0.3394	0.0000	0.3394			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**2.2417**	**0.3511**	**2.5927**	**0.3394**	**0.3511**	**0.6905**		**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

3.2 Demolition - 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	0.0458	1.4253	0.5232	7.2400e-003	0.1809	2.6200e-003	0.1835	0.0496	2.5100e-003	0.0521		789.6221	789.6221	0.0502		790.8762
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	0.0382	0.0186	0.3066	1.2300e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		123.2159	123.2159	1.9900e-003		123.2657
Total	**0.0839**	**1.4439**	**0.8298**	**8.4700e-003**	**0.3485**	**3.4500e-003**	**0.3520**	**0.0940**	**3.2700e-003**	**0.0973**		**912.8381**	**912.8381**	**0.0522**		**914.1419**

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					1.0087	0.0000	1.0087	0.1527	0.0000	0.1527			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**1.0087**	**0.3511**	**1.3598**	**0.1527**	**0.3511**	**0.5038**	**0.0000**	**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

3.2 Demolition - 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	0.0458	1.4253	0.5232	7.2400e-003	0.1809	2.6200e-003	0.1835	0.0496	2.5100e-003	0.0521		789.6221	789.6221	0.0502		790.8762
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	0.0382	0.0186	0.3066	1.2300e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		123.2159	123.2159	1.9900e-003		123.2657
Total	**0.0839**	**1.4439**	**0.8298**	**8.4700e-003**	**0.3485**	**3.4500e-003**	**0.3520**	**0.0940**	**3.2700e-003**	**0.0973**		**912.8381**	**912.8381**	**0.0522**		**914.1419**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0458	0.0223	0.3679	1.4800e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		147.8591	147.8591	2.3900e-003		147.9188
Total	**0.0458**	**0.0223**	**0.3679**	**1.4800e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**147.8591**	**147.8591**	**2.3900e-003**		**147.9188**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**8.1298**	**0.4367**	**8.5665**	**4.4688**	**0.4367**	**4.9055**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0458	0.0223	0.3679	1.4800e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		147.8591	147.8591	2.3900e-003		147.9188
Total	**0.0458**	**0.0223**	**0.3679**	**1.4800e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**147.8591**	**147.8591**	**2.3900e-003**		**147.9188**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0424	0.0204	0.3465	1.4500e-003	0.2012	9.3000e-004	0.2021	0.0534	8.5000e-004	0.0542		144.8334	144.8334	2.1900e-003		144.8882
Total	**0.0424**	**0.0204**	**0.3465**	**1.4500e-003**	**0.2012**	**9.3000e-004**	**0.2021**	**0.0534**	**8.5000e-004**	**0.0542**		**144.8334**	**144.8334**	**2.1900e-003**		**144.8882**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**8.1298**	**0.4367**	**8.5665**	**4.4688**	**0.4367**	**4.9055**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0424	0.0204	0.3465	1.4500e-003	0.2012	9.3000e-004	0.2021	0.0534	8.5000e-004	0.0542		144.8334	144.8334	2.1900e-003		144.8882
Total	**0.0424**	**0.0204**	**0.3465**	**1.4500e-003**	**0.2012**	**9.3000e-004**	**0.2021**	**0.0534**	**8.5000e-004**	**0.0542**		**144.8334**	**144.8334**	**2.1900e-003**		**144.8882**

3.4 Grading - 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					
Fugitive Dust					6.9058	0.0000	6.9058	3.4057	0.0000	3.4057			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**6.9058**	**0.4879**	**7.3938**	**3.4057**	**0.4879**	**3.8936**		**7,213.1086**	**7,213.1086**	**0.2915**		**7,220.3963**

3.4 Grading - 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	0.0000	0.0000	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	0.0471	0.0227	0.3850	1.6100e-003	0.2236	1.0300e-003	0.2246	0.0593	9.5000e-004	0.0602		160.9260	160.9260	2.4400e-003		160.9869
Total	**0.0471**	**0.0227**	**0.3850**	**1.6100e-003**	**0.2236**	**1.0300e-003**	**0.2246**	**0.0593**	**9.5000e-004**	**0.0602**		**160.9260**	**160.9260**	**2.4400e-003**		**160.9869**

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					3.1076	0.0000	3.1076	1.5325	0.0000	1.5325			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**3.1076**	**0.4879**	**3.5956**	**1.5325**	**0.4879**	**2.0205**	**0.0000**	**7,213.1086**	**7,213.1086**	**0.2915**		**7,220.3963**

3.4 Grading - 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	0.0000	0.0000	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	0.0471	0.0227	0.3850	1.6100e-003	0.2236	1.0300e-003	0.2246	0.0593	9.5000e-004	0.0602		160.9260	160.9260	2.4400e-003		160.9869
Total	**0.0471**	**0.0227**	**0.3850**	**1.6100e-003**	**0.2236**	**1.0300e-003**	**0.2246**	**0.0593**	**9.5000e-004**	**0.0602**		**160.9260**	**160.9260**	**2.4400e-003**		**160.9869**

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	0.2587	9.9035	2.5825	0.0361	0.9792	0.0105	0.9897	0.2819	0.0100	0.2919		3,880.1587	3,880.1587	0.1885		3,884.8700
Worker	1.4637	0.7052	11.9736	0.0501	6.9525	0.0321	6.9846	1.8438	0.0295	1.8734		5,004.7993	5,004.7993	0.0757		5,006.6925
Total	**1.7224**	**10.6087**	**14.5561**	**0.0863**	**7.9317**	**0.0426**	**7.9743**	**2.1257**	**0.0395**	**2.1653**		**8,884.9579**	**8,884.9579**	**0.2642**		**8,891.5625**

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	0.2587	9.9035	2.5825	0.0361	0.9792	0.0105	0.9897	0.2819	0.0100	0.2919		3,880.1587	3,880.1587	0.1885		3,884.8700
Worker	1.4637	0.7052	11.9736	0.0501	6.9525	0.0321	6.9846	1.8438	0.0295	1.8734		5,004.7993	5,004.7993	0.0757		5,006.6925
Total	**1.7224**	**10.6087**	**14.5561**	**0.0863**	**7.9317**	**0.0426**	**7.9743**	**2.1257**	**0.0395**	**2.1653**		**8,884.9579**	**8,884.9579**	**0.2642**		**8,891.5625**

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	0.2564	9.8416	2.5709	0.0361	0.9792	0.0103	0.9896	0.2819	9.8700e-003	0.2918		3,872.4852	3,872.4852	0.1867		3,877.1532
Worker	1.3580	0.6472	11.2798	0.0491	6.9525	0.0300	6.9824	1.8438	0.0275	1.8714		4,905.0217	4,905.0217	0.0695		4,906.7581
Total	**1.6144**	**10.4888**	**13.8508**	**0.0852**	**7.9317**	**0.0403**	**7.9720**	**2.1257**	**0.0374**	**2.1632**		**8,777.5069**	**8,777.5069**	**0.2562**		**8,783.9112**

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	0.2564	9.8416	2.5709	0.0361	0.9792	0.0103	0.9896	0.2819	9.8700e-003	0.2918		3,872.4852	3,872.4852	0.1867		3,877.1532
Worker	1.3580	0.6472	11.2798	0.0491	6.9525	0.0300	6.9824	1.8438	0.0275	1.8714		4,905.0217	4,905.0217	0.0695		4,906.7581
Total	**1.6144**	**10.4888**	**13.8508**	**0.0852**	**7.9317**	**0.0403**	**7.9720**	**2.1257**	**0.0374**	**2.1632**		**8,777.5069**	**8,777.5069**	**0.2562**		**8,783.9112**

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	0.2548	9.7857	2.5631	0.0360	0.9792	0.0102	0.9895	0.2819	9.7600e-003	0.2917		3,866.5705	3,866.5705	0.1852		3,871.2006
Worker	1.2675	0.5980	10.6851	0.0483	6.9525	0.0280	6.9805	1.8438	0.0257	1.8696		4,817.9557	4,817.9557	0.0641		4,819.5580
Total	**1.5223**	**10.3837**	**13.2482**	**0.0842**	**7.9317**	**0.0382**	**7.9699**	**2.1257**	**0.0355**	**2.1613**		**8,684.5263**	**8,684.5263**	**0.2493**		**8,690.7585**

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	0.2548	9.7857	2.5631	0.0360	0.9792	0.0102	0.9895	0.2819	9.7600e-003	0.2917		3,866.5705	3,866.5705	0.1852		3,871.2006
Worker	1.2675	0.5980	10.6851	0.0483	6.9525	0.0280	6.9805	1.8438	0.0257	1.8696		4,817.9557	4,817.9557	0.0641		4,819.5580
Total	**1.5223**	**10.3837**	**13.2482**	**0.0842**	**7.9317**	**0.0382**	**7.9699**	**2.1257**	**0.0355**	**2.1613**		**8,684.5263**	**8,684.5263**	**0.2493**		**8,690.7585**

3.6 Architectural Coating - 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					
Archit. Coating	12.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**12.6286**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.2707	0.1290	2.2487	9.8000e-003	1.3860	5.9700e-003	1.3920	0.3676	5.4900e-003	0.3731		977.8500	977.8500	0.0139		978.1962
Total	**0.2707**	**0.1290**	**2.2487**	**9.8000e-003**	**1.3860**	**5.9700e-003**	**1.3920**	**0.3676**	**5.4900e-003**	**0.3731**		**977.8500**	**977.8500**	**0.0139**		**978.1962**

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	12.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**12.6286**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.2707	0.1290	2.2487	9.8000e-003	1.3860	5.9700e-003	1.3920	0.3676	5.4900e-003	0.3731		977.8500	977.8500	0.0139		978.1962
Total	**0.2707**	**0.1290**	**2.2487**	**9.8000e-003**	**1.3860**	**5.9700e-003**	**1.3920**	**0.3676**	**5.4900e-003**	**0.3731**		**977.8500**	**977.8500**	**0.0139**		**978.1962**

3.6 Architectural Coating - 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					
Archit. Coating	12.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**12.6286**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.2527	0.1192	2.1301	9.6200e-003	1.3860	5.5800e-003	1.3916	0.3676	5.1300e-003	0.3727		960.4928	960.4928	0.0128		960.8122
Total	**0.2527**	**0.1192**	**2.1301**	**9.6200e-003**	**1.3860**	**5.5800e-003**	**1.3916**	**0.3676**	**5.1300e-003**	**0.3727**		**960.4928**	**960.4928**	**0.0128**		**960.8122**

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	12.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**12.6286**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.2527	0.1192	2.1301	9.6200e-003	1.3860	5.5800e-003	1.3916	0.3676	5.1300e-003	0.3727		960.4928	960.4928	0.0128		960.8122
Total	**0.2527**	**0.1192**	**2.1301**	**9.6200e-003**	**1.3860**	**5.5800e-003**	**1.3916**	**0.3676**	**5.1300e-003**	**0.3727**		**960.4928**	**960.4928**	**0.0128**		**960.8122**

3.7 Paving - 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	1.3845	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	0.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6974**	**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**

3.7 Paving - 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	0.0000	0.0000	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	0.0306	0.0144	0.2577	1.1600e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		116.1886	116.1886	1.5500e-003		116.2273
Total	**0.0306**	**0.0144**	**0.2577**	**1.1600e-003**	**0.1677**	**6.7000e-004**	**0.1683**	**0.0445**	**6.2000e-004**	**0.0451**		**116.1886**	**116.1886**	**1.5500e-003**		**116.2273**

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	0.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6974**	**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**

3.7 Paving - 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	0.0000	0.0000	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	0.0306	0.0144	0.2577	1.1600e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		116.1886	116.1886	1.5500e-003		116.2273
Total	**0.0306**	**0.0144**	**0.2577**	**1.1600e-003**	**0.1677**	**6.7000e-004**	**0.1683**	**0.0445**	**6.2000e-004**	**0.0451**		**116.1886**	**116.1886**	**1.5500e-003**		**116.2273**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.8857	34.6061	66.3158	0.3382	34.4979	0.1672	34.6652	9.2264	0.1554	9.3818		34,750.1911	34,750.1911	1.3273		34,783.3724
Unmitigated	6.5966	37.9038	83.7178	0.4359	45.5442	0.2134	45.7576	12.1808	0.1983	12.3791		44,754.8335	44,754.8335	1.6504		44,796.0927

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,861.44	3,361.14	3082.36	10,123,627	7,668,243
City Park	0.00	0.00	0.00		
General Office Building	2,204.99	64.70	27.62	5,116,266	3,875,367
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	992.83	1,314.21	663.81	2,144,969	1,624,728
Total	6,059.26	4,740.05	3,773.79	17,384,862	13,168,338

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
City Park	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
General Office Building	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
Other Asphalt Surfaces	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
Regional Shopping Center	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1526	1.3092	0.5924	8.3200e-003		0.1054	0.1054		0.1054	0.1054		1,664.7791	1,664.7791	0.0319	0.0305	1,674.6721
NaturalGas Unmitigated	0.1526	1.3092	0.5924	8.3200e-003		0.1054	0.1054		0.1054	0.1054		1,664.7791	1,664.7791	0.0319	0.0305	1,674.6721

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	13282.5	0.1432	1.2241	0.5209	7.8100e-003		0.0990	0.0990		0.0990	0.0990		1,562.6464	1,562.6464	0.0300	0.0287	1,571.9324
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
General Office Building	749.976	8.0900e-003	0.0735	0.0618	4.4000e-004		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003		88.2325	88.2325	1.6900e-003	1.6200e-003	88.7568
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	118.152	1.2700e-003	0.0116	9.7300e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		13.9002	13.9002	2.7000e-004	2.5000e-004	13.9828
Total		**0.1526**	**1.3092**	**0.5924**	**8.3200e-003**		**0.1054**	**0.1054**		**0.1054**	**0.1054**		**1,664.7791**	**1,664.7791**	**0.0319**	**0.0305**	**1,674.6721**

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	13.2825	0.1432	1.2241	0.5209	7.8100e-003		0.0990	0.0990		0.0990	0.0990		1,562.6464	1,562.6464	0.0300	0.0287	1,571.9324
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
General Office Building	0.749976	8.0900e-003	0.0735	0.0618	4.4000e-004		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003		88.2325	88.2325	1.6900e-003	1.6200e-003	88.7568
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.118152	1.2700e-003	0.0116	9.7300e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		13.9002	13.9002	2.7000e-004	2.5000e-004	13.9828
Total		**0.1526**	**1.3092**	**0.5924**	**8.3200e-003**		**0.1054**	**0.1054**		**0.1054**	**0.1054**		**1,664.7791**	**1,664.7791**	**0.0319**	**0.0305**	**1,674.6721**

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	13.9363	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407	0.0000	78.1527	78.1527	0.0745	0.0000	80.0148
Unmitigated	13.9363	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407	0.0000	78.1527	78.1527	0.0745	0.0000	80.0148

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	1.0067					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.6345					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	1.2952	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407		78.1527	78.1527	0.0745		80.0148
Total	**13.9363**	**0.4990**	**43.2876**	**2.2900e-003**		**0.2407**	**0.2407**		**0.2407**	**0.2407**	**0.0000**	**78.1527**	**78.1527**	**0.0745**	**0.0000**	**80.0148**

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	1.0067					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.6345					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	1.2952	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407		78.1527	78.1527	0.0745		80.0148
Total	**13.9363**	**0.4990**	**43.2876**	**2.2900e-003**		**0.2407**	**0.2407**		**0.2407**	**0.2407**	**0.0000**	**78.1527**	**78.1527**	**0.0745**	**0.0000**	**80.0148**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 5)

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.30	1000sqft	1.90	26,296.00	0
Other Asphalt Surfaces	11.54	Acre	4.18	502,682.40	0
City Park	0.86	Acre	0.86	37,461.60	0
Apartments Mid Rise	526.00	Dwelling Unit	3.56	525,917.00	1504
Regional Shopping Center	26.30	1000sqft	0.00	26,296.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2034
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 5) - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	30.00	90.00
tblConstructionPhase	NumDays	300.00	550.00
tblConstructionPhase	NumDays	20.00	294.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	10/11/2030	12/6/2030
tblConstructionPhase	PhaseEndDate	10/25/2030	1/31/2031
tblConstructionPhase	PhaseEndDate	12/6/2030	6/6/2031

tblConstructionPhase	PhaseEndDate	1/30/2032	7/15/2033
tblConstructionPhase	PhaseEndDate	3/26/2032	7/15/2033
tblConstructionPhase	PhaseEndDate	2/27/2032	9/2/2033
tblConstructionPhase	PhaseStartDate	10/12/2030	12/7/2030
tblConstructionPhase	PhaseStartDate	10/26/2030	2/1/2031
tblConstructionPhase	PhaseStartDate	12/7/2030	6/7/2031
tblConstructionPhase	PhaseStartDate	2/28/2032	6/1/2032
tblConstructionPhase	PhaseStartDate	1/31/2032	7/16/2033
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	52.60	0.00
tblFireplaces	NumberWood	26.30	0.00
tblGrading	AcresOfGrading	225.00	75.00
tblLandUse	LandUseSquareFeet	26,300.00	26,296.00
tblLandUse	LandUseSquareFeet	526,000.00	525,917.00
tblLandUse	LandUseSquareFeet	26,300.00	26,296.00
tblLandUse	LotAcreage	0.60	1.90
tblLandUse	LotAcreage	11.54	4.18
tblLandUse	LotAcreage	13.84	3.56
tblLandUse	LotAcreage	0.60	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00

tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	26.30	0.00
tblWoodstoves	NumberNoncatalytic	26.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	2.4911	13.6923	19.7359	0.0545	18.2675	0.4377	18.7051	9.9840	0.4376	10.4216	0.0000	5,269.2639	5,269.2639	0.2382	0.0000	5,275.2176
2031	3.3334	18.5439	29.5879	0.1129	18.2675	0.4890	18.7051	9.9840	0.4889	10.4216	0.0000	11,346.0494	11,346.0494	0.3855	0.0000	11,355.6879
2032	16.0325	19.4144	32.7264	0.1240	9.3178	0.2149	9.5327	2.4933	0.2116	2.7049	0.0000	12,439.3260	12,439.3260	0.4019	0.0000	12,449.3729
2033	15.9115	19.2930	32.0690	0.1230	9.3178	0.3313	9.5302	2.4933	0.3313	2.7026	0.0000	12,334.9649	12,334.9649	0.3941	0.0000	12,344.8186
Maximum	**16.0325**	**19.4144**	**32.7264**	**0.1240**	**18.2675**	**0.4890**	**18.7051**	**9.9840**	**0.4889**	**10.4216**	**0.0000**	**12,439.3260**	**12,439.3260**	**0.4019**	**0.0000**	**12,449.3729**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	2.4911	13.6923	19.7359	0.0545	8.3310	0.4377	8.7687	4.5222	0.4376	4.9597	0.0000	5,269.2639	5,269.2639	0.2382	0.0000	5,275.2176
2031	3.3334	18.5439	29.5879	0.1129	8.3310	0.4890	8.7686	4.5222	0.4889	4.9597	0.0000	11,346.0494	11,346.0494	0.3855	0.0000	11,355.6879
2032	16.0325	19.4144	32.7264	0.1240	9.3178	0.2149	9.5327	2.4933	0.2116	2.7049	0.0000	12,439.3260	12,439.3260	0.4019	0.0000	12,449.3729
2033	15.9115	19.2930	32.0690	0.1230	9.3178	0.3313	9.5302	2.4933	0.3313	2.7026	0.0000	12,334.9649	12,334.9649	0.3941	0.0000	12,344.8186
Maximum	**16.0325**	**19.4144**	**32.7264**	**0.1240**	**9.3178**	**0.4890**	**9.5327**	**4.5222**	**0.4889**	**4.9597**	**0.0000**	**12,439.3260**	**12,439.3260**	**0.4019**	**0.0000**	**12,449.3729**

	ROG	NOx	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**	**36.02**	**0.00**	**35.19**	**43.77**	**0.00**	**41.61**	**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	13.9363	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407	0.0000	78.1527	78.1527	0.0745	0.0000	80.0148
Energy	0.1526	1.3092	0.5924	8.3200e-003		0.1054	0.1054		0.1054	0.1054		1,664.7791	1,664.7791	0.0319	0.0305	1,674.6721
Mobile	6.2397	38.1303	78.3652	0.4134	45.5442	0.2140	45.7582	12.1808	0.1989	12.3796		42,480.7764	42,480.7764	1.6676		42,522.4656
Total	**20.3286**	**39.9385**	**122.2451**	**0.4240**	**45.5442**	**0.5601**	**46.1043**	**12.1808**	**0.5450**	**12.7257**	**0.0000**	**44,223.7083**	**44,223.7083**	**1.7740**	**0.0305**	**44,277.1525**

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	13.9363	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407	0.0000	78.1527	78.1527	0.0745	0.0000	80.0148
Energy	0.1526	1.3092	0.5924	8.3200e-003		0.1054	0.1054		0.1054	0.1054		1,664.7791	1,664.7791	0.0319	0.0305	1,674.6721
Mobile	5.5395	34.6475	62.7986	0.3203	34.4979	0.1678	34.6658	9.2264	0.1560	9.3824		32,936.8280	32,936.8280	1.3501		32,970.5813
Total	**19.6284**	**36.4557**	**106.6786**	**0.3309**	**34.4979**	**0.5140**	**35.0119**	**9.2264**	**0.5021**	**9.7285**	**0.0000**	**34,679.7598**	**34,679.7598**	**1.4565**	**0.0305**	**34,725.2682**

	ROG	NOx	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	**3.44**	**8.72**	**12.73**	**21.96**	**24.25**	**8.24**	**24.06**	**24.25**	**7.87**	**23.55**	**0.00**	**21.58**	**21.58**	**17.89**	**0.00**	**21.57**

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	9/16/2030	12/6/2030	5	60	
2	Site Preparation	Site Preparation	12/7/2030	1/31/2031	5	40	
3	Grading	Grading	2/1/2031	6/6/2031	5	90	
4	Building Construction	Building Construction	6/7/2031	7/15/2033	5	550	
5	Architectural Coating	Architectural Coating	6/1/2032	7/15/2033	5	294	
6	Paving	Paving	7/16/2033	9/2/2033	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 4.18

Residential Indoor: 1,064,982; Residential Outdoor: 354,994; Non-Residential Indoor: 78,888; Non-Residential Outdoor: 26,296; Striped Parking Area: 30,161 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 5) - South Coast AQMD Air District, 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	621.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	622.00	153.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	124.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					2.2417	0.0000	2.2417	0.3394	0.0000	0.3394			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**2.2417**	**0.3511**	**2.5927**	**0.3394**	**0.3511**	**0.6905**		**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

3.2 Demolition - 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	0.0470	1.4313	0.5473	7.1100e-003	0.1809	2.6600e-003	0.1835	0.0496	2.5400e-003	0.0521		775.5377	775.5377	0.0516		776.8272
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	0.0427	0.0203	0.2719	1.1500e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		115.1443	115.1443	1.8400e-003		115.1903
Total	**0.0897**	**1.4516**	**0.8192**	**8.2600e-003**	**0.3485**	**3.4900e-003**	**0.3520**	**0.0940**	**3.3000e-003**	**0.0973**		**890.6820**	**890.6820**	**0.0534**		**892.0176**

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					1.0087	0.0000	1.0087	0.1527	0.0000	0.1527			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**1.0087**	**0.3511**	**1.3598**	**0.1527**	**0.3511**	**0.5038**	**0.0000**	**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

3.2 Demolition - 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	0.0470	1.4313	0.5473	7.1100e-003	0.1809	2.6600e-003	0.1835	0.0496	2.5400e-003	0.0521		775.5377	775.5377	0.0516		776.8272
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	0.0427	0.0203	0.2719	1.1500e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		115.1443	115.1443	1.8400e-003		115.1903
Total	**0.0897**	**1.4516**	**0.8192**	**8.2600e-003**	**0.3485**	**3.4900e-003**	**0.3520**	**0.0940**	**3.3000e-003**	**0.0973**		**890.6820**	**890.6820**	**0.0534**		**892.0176**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0512	0.0244	0.3263	1.3800e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		138.1732	138.1732	2.2100e-003		138.2284
Total	**0.0512**	**0.0244**	**0.3263**	**1.3800e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**138.1732**	**138.1732**	**2.2100e-003**		**138.2284**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**8.1298**	**0.4367**	**8.5665**	**4.4688**	**0.4367**	**4.9055**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0512	0.0244	0.3263	1.3800e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		138.1732	138.1732	2.2100e-003		138.2284
Total	**0.0512**	**0.0244**	**0.3263**	**1.3800e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**138.1732**	**138.1732**	**2.2100e-003**		**138.2284**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0474	0.0222	0.3065	1.3600e-003	0.2012	9.3000e-004	0.2021	0.0534	8.5000e-004	0.0542		135.3047	135.3047	2.0200e-003		135.3553
Total	**0.0474**	**0.0222**	**0.3065**	**1.3600e-003**	**0.2012**	**9.3000e-004**	**0.2021**	**0.0534**	**8.5000e-004**	**0.0542**		**135.3047**	**135.3047**	**2.0200e-003**		**135.3553**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**8.1298**	**0.4367**	**8.5665**	**4.4688**	**0.4367**	**4.9055**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0474	0.0222	0.3065	1.3600e-003	0.2012	9.3000e-004	0.2021	0.0534	8.5000e-004	0.0542		135.3047	135.3047	2.0200e-003		135.3553
Total	**0.0474**	**0.0222**	**0.3065**	**1.3600e-003**	**0.2012**	**9.3000e-004**	**0.2021**	**0.0534**	**8.5000e-004**	**0.0542**		**135.3047**	**135.3047**	**2.0200e-003**		**135.3553**

3.4 Grading - 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					
Fugitive Dust					6.9058	0.0000	6.9058	3.4057	0.0000	3.4057			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**6.9058**	**0.4879**	**7.3938**	**3.4057**	**0.4879**	**3.8936**		**7,213.1086**	**7,213.1086**	**0.2915**		**7,220.3963**

3.4 Grading - 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	0.0000	0.0000	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	0.0527	0.0247	0.3406	1.5100e-003	0.2236	1.0300e-003	0.2246	0.0593	9.5000e-004	0.0602		150.3386	150.3386	2.2500e-003		150.3948
Total	**0.0527**	**0.0247**	**0.3406**	**1.5100e-003**	**0.2236**	**1.0300e-003**	**0.2246**	**0.0593**	**9.5000e-004**	**0.0602**		**150.3386**	**150.3386**	**2.2500e-003**		**150.3948**

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					3.1076	0.0000	3.1076	1.5325	0.0000	1.5325			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**3.1076**	**0.4879**	**3.5956**	**1.5325**	**0.4879**	**2.0205**	**0.0000**	**7,213.1086**	**7,213.1086**	**0.2915**		**7,220.3963**

3.4 Grading - 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	0.0000	0.0000	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	0.0527	0.0247	0.3406	1.5100e-003	0.2236	1.0300e-003	0.2246	0.0593	9.5000e-004	0.0602		150.3386	150.3386	2.2500e-003		150.3948
Total	**0.0527**	**0.0247**	**0.3406**	**1.5100e-003**	**0.2236**	**1.0300e-003**	**0.2246**	**0.0593**	**9.5000e-004**	**0.0602**		**150.3386**	**150.3386**	**2.2500e-003**		**150.3948**

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	0.2720	9.8407	2.8381	0.0352	0.9792	0.0107	0.9899	0.2819	0.0102	0.2921		3,772.9722	3,772.9722	0.1994		3,777.9560
Worker	1.6383	0.7686	10.5928	0.0468	6.9525	0.0321	6.9846	1.8438	0.0295	1.8734		4,675.5304	4,675.5304	0.0699		4,677.2790
Total	**1.9102**	**10.6093**	**13.4309**	**0.0820**	**7.9317**	**0.0428**	**7.9745**	**2.1257**	**0.0398**	**2.1655**		**8,448.5026**	**8,448.5026**	**0.2693**		**8,455.2350**

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	0.2720	9.8407	2.8381	0.0352	0.9792	0.0107	0.9899	0.2819	0.0102	0.2921		3,772.9722	3,772.9722	0.1994		3,777.9560
Worker	1.6383	0.7686	10.5928	0.0468	6.9525	0.0321	6.9846	1.8438	0.0295	1.8734		4,675.5304	4,675.5304	0.0699		4,677.2790
Total	**1.9102**	**10.6093**	**13.4309**	**0.0820**	**7.9317**	**0.0428**	**7.9745**	**2.1257**	**0.0398**	**2.1655**		**8,448.5026**	**8,448.5026**	**0.2693**		**8,455.2350**

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	0.2696	9.7783	2.8256	0.0351	0.9792	0.0105	0.9898	0.2819	0.0101	0.2920		3,765.4604	3,765.4604	0.1974		3,770.3952
Worker	1.5219	0.7047	9.9604	0.0459	6.9525	0.0300	6.9824	1.8438	0.0275	1.8714		4,581.5143	4,581.5143	0.0641		4,583.1161
Total	**1.7914**	**10.4830**	**12.7860**	**0.0810**	**7.9317**	**0.0405**	**7.9722**	**2.1257**	**0.0376**	**2.1634**		**8,346.9747**	**8,346.9747**	**0.2615**		**8,353.5114**

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	0.2696	9.7783	2.8256	0.0351	0.9792	0.0105	0.9898	0.2819	0.0101	0.2920		3,765.4604	3,765.4604	0.1974		3,770.3952
Worker	1.5219	0.7047	9.9604	0.0459	6.9525	0.0300	6.9824	1.8438	0.0275	1.8714		4,581.5143	4,581.5143	0.0641		4,583.1161
Total	**1.7914**	**10.4830**	**12.7860**	**0.0810**	**7.9317**	**0.0405**	**7.9722**	**2.1257**	**0.0376**	**2.1634**		**8,346.9747**	**8,346.9747**	**0.2615**		**8,353.5114**

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	0.2679	9.7217	2.8173	0.0350	0.9792	0.0104	0.9896	0.2819	9.9400e-003	0.2919		3,759.5327	3,759.5327	0.1957		3,764.4248
Worker	1.4224	0.6507	9.4192	0.0451	6.9525	0.0280	6.9805	1.8438	0.0257	1.8696		4,499.4424	4,499.4424	0.0591		4,500.9189
Total	**1.6903**	**10.3723**	**12.2365**	**0.0801**	**7.9317**	**0.0384**	**7.9701**	**2.1257**	**0.0357**	**2.1614**		**8,258.9751**	**8,258.9751**	**0.2547**		**8,265.3437**

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	0.2679	9.7217	2.8173	0.0350	0.9792	0.0104	0.9896	0.2819	9.9400e-003	0.2919		3,759.5327	3,759.5327	0.1957		3,764.4248
Worker	1.4224	0.6507	9.4192	0.0451	6.9525	0.0280	6.9805	1.8438	0.0257	1.8696		4,499.4424	4,499.4424	0.0591		4,500.9189
Total	**1.6903**	**10.3723**	**12.2365**	**0.0801**	**7.9317**	**0.0384**	**7.9701**	**2.1257**	**0.0357**	**2.1614**		**8,258.9751**	**8,258.9751**	**0.2547**		**8,265.3437**

3.6 Architectural Coating - 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					
Archit. Coating	12.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**12.6286**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.3034	0.1405	1.9857	9.1500e-003	1.3860	5.9700e-003	1.3920	0.3676	5.4900e-003	0.3731		913.3566	913.3566	0.0128		913.6759
Total	**0.3034**	**0.1405**	**1.9857**	**9.1500e-003**	**1.3860**	**5.9700e-003**	**1.3920**	**0.3676**	**5.4900e-003**	**0.3731**		**913.3566**	**913.3566**	**0.0128**		**913.6759**

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	12.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**12.6286**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.3034	0.1405	1.9857	9.1500e-003	1.3860	5.9700e-003	1.3920	0.3676	5.4900e-003	0.3731		913.3566	913.3566	0.0128		913.6759
Total	**0.3034**	**0.1405**	**1.9857**	**9.1500e-003**	**1.3860**	**5.9700e-003**	**1.3920**	**0.3676**	**5.4900e-003**	**0.3731**		**913.3566**	**913.3566**	**0.0128**		**913.6759**

3.6 Architectural Coating - 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					
Archit. Coating	12.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**12.6286**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.2836	0.1297	1.8778	8.9800e-003	1.3860	5.5800e-003	1.3916	0.3676	5.1300e-003	0.3727		896.9950	896.9950	0.0118		897.2893
Total	**0.2836**	**0.1297**	**1.8778**	**8.9800e-003**	**1.3860**	**5.5800e-003**	**1.3916**	**0.3676**	**5.1300e-003**	**0.3727**		**896.9950**	**896.9950**	**0.0118**		**897.2893**

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	12.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**12.6286**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.2836	0.1297	1.8778	8.9800e-003	1.3860	5.5800e-003	1.3916	0.3676	5.1300e-003	0.3727		896.9950	896.9950	0.0118		897.2893
Total	**0.2836**	**0.1297**	**1.8778**	**8.9800e-003**	**1.3860**	**5.5800e-003**	**1.3916**	**0.3676**	**5.1300e-003**	**0.3727**		**896.9950**	**896.9950**	**0.0118**		**897.2893**

3.7 Paving - 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	1.3845	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	0.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6974**	**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**

3.7 Paving - 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	0.0000	0.0000	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	0.0343	0.0157	0.2272	1.0900e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		108.5075	108.5075	1.4200e-003		108.5431
Total	**0.0343**	**0.0157**	**0.2272**	**1.0900e-003**	**0.1677**	**6.7000e-004**	**0.1683**	**0.0445**	**6.2000e-004**	**0.0451**		**108.5075**	**108.5075**	**1.4200e-003**		**108.5431**

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	0.3129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6974**	**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**

3.7 Paving - 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	0.0000	0.0000	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	0.0343	0.0157	0.2272	1.0900e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		108.5075	108.5075	1.4200e-003		108.5431
Total	**0.0343**	**0.0157**	**0.2272**	**1.0900e-003**	**0.1677**	**6.7000e-004**	**0.1683**	**0.0445**	**6.2000e-004**	**0.0451**		**108.5075**	**108.5075**	**1.4200e-003**		**108.5431**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.5395	34.6475	62.7986	0.3203	34.4979	0.1678	34.6658	9.2264	0.1560	9.3824		32,936.8280	32,936.8280	1.3501		32,970.5813
Unmitigated	6.2397	38.1303	78.3652	0.4134	45.5442	0.2140	45.7582	12.1808	0.1989	12.3796		42,480.7764	42,480.7764	1.6676		42,522.4656

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,861.44	3,361.14	3082.36	10,123,627	7,668,243
City Park	0.00	0.00	0.00		
General Office Building	2,204.99	64.70	27.62	5,116,266	3,875,367
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	992.83	1,314.21	663.81	2,144,969	1,624,728
Total	6,059.26	4,740.05	3,773.79	17,384,862	13,168,338

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
City Park	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
General Office Building	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
Other Asphalt Surfaces	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
Regional Shopping Center	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1526	1.3092	0.5924	8.3200e-003		0.1054	0.1054		0.1054	0.1054		1,664.7791	1,664.7791	0.0319	0.0305	1,674.6721
NaturalGas Unmitigated	0.1526	1.3092	0.5924	8.3200e-003		0.1054	0.1054		0.1054	0.1054		1,664.7791	1,664.7791	0.0319	0.0305	1,674.6721

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	13282.5	0.1432	1.2241	0.5209	7.8100e-003		0.0990	0.0990		0.0990	0.0990		1,562.6464	1,562.6464	0.0300	0.0287	1,571.9324
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
General Office Building	749.976	8.0900e-003	0.0735	0.0618	4.4000e-004		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003		88.2325	88.2325	1.6900e-003	1.6200e-003	88.7568
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	118.152	1.2700e-003	0.0116	9.7300e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		13.9002	13.9002	2.7000e-004	2.5000e-004	13.9828
Total		**0.1526**	**1.3092**	**0.5924**	**8.3200e-003**		**0.1054**	**0.1054**		**0.1054**	**0.1054**		**1,664.7791**	**1,664.7791**	**0.0319**	**0.0305**	**1,674.6721**

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	13.2825	0.1432	1.2241	0.5209	7.8100e-003		0.0990	0.0990		0.0990	0.0990		1,562.6464	1,562.6464	0.0300	0.0287	1,571.9324
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
General Office Building	0.749976	8.0900e-003	0.0735	0.0618	4.4000e-004		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003		88.2325	88.2325	1.6900e-003	1.6200e-003	88.7568
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.118152	1.2700e-003	0.0116	9.7300e-003	7.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004		13.9002	13.9002	2.7000e-004	2.5000e-004	13.9828
Total		**0.1526**	**1.3092**	**0.5924**	**8.3200e-003**		**0.1054**	**0.1054**		**0.1054**	**0.1054**		**1,664.7791**	**1,664.7791**	**0.0319**	**0.0305**	**1,674.6721**

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	13.9363	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407	0.0000	78.1527	78.1527	0.0745	0.0000	80.0148
Unmitigated	13.9363	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407	0.0000	78.1527	78.1527	0.0745	0.0000	80.0148

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	1.0067					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.6345					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	1.2952	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407		78.1527	78.1527	0.0745		80.0148
Total	**13.9363**	**0.4990**	**43.2876**	**2.2900e-003**		**0.2407**	**0.2407**		**0.2407**	**0.2407**	**0.0000**	**78.1527**	**78.1527**	**0.0745**	**0.0000**	**80.0148**

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	1.0067					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.6345					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	1.2952	0.4990	43.2876	2.2900e-003		0.2407	0.2407		0.2407	0.2407		78.1527	78.1527	0.0745		80.0148
Total	**13.9363**	**0.4990**	**43.2876**	**2.2900e-003**		**0.2407**	**0.2407**		**0.2407**	**0.2407**	**0.0000**	**78.1527**	**78.1527**	**0.0745**	**0.0000**	**80.0148**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 5)

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	26.30	1000sqft	1.90	26,296.00	0
Other Asphalt Surfaces	11.54	Acre	4.18	502,682.40	0
City Park	0.86	Acre	0.86	37,461.60	0
Apartments Mid Rise	526.00	Dwelling Unit	3.56	525,917.00	1504
Regional Shopping Center	26.30	1000sqft	0.00	26,296.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2034
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 5) - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	30.00	90.00
tblConstructionPhase	NumDays	300.00	550.00
tblConstructionPhase	NumDays	20.00	294.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	10/11/2030	12/6/2030
tblConstructionPhase	PhaseEndDate	10/25/2030	1/31/2031
tblConstructionPhase	PhaseEndDate	12/6/2030	6/6/2031

Compton Hub City Specific Plan (Phase 5) - South Coast AQMD Air District, Annual

tblConstructionPhase	PhaseEndDate	1/30/2032	7/15/2033
tblConstructionPhase	PhaseEndDate	3/26/2032	7/15/2033
tblConstructionPhase	PhaseEndDate	2/27/2032	9/2/2033
tblConstructionPhase	PhaseStartDate	10/12/2030	12/7/2030
tblConstructionPhase	PhaseStartDate	10/26/2030	2/1/2031
tblConstructionPhase	PhaseStartDate	12/7/2030	6/7/2031
tblConstructionPhase	PhaseStartDate	2/28/2032	6/1/2032
tblConstructionPhase	PhaseStartDate	1/31/2032	7/16/2033
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	52.60	0.00
tblFireplaces	NumberWood	26.30	0.00
tblGrading	AcresOfGrading	225.00	75.00
tblLandUse	LandUseSquareFeet	26,300.00	26,296.00
tblLandUse	LandUseSquareFeet	526,000.00	525,917.00
tblLandUse	LandUseSquareFeet	26,300.00	26,296.00
tblLandUse	LotAcreage	0.60	1.90
tblLandUse	LotAcreage	11.54	4.18
tblLandUse	LotAcreage	13.84	3.56
tblLandUse	LotAcreage	0.60	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00

tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	26.30	0.00
tblWoodstoves	NumberNoncatalytic	26.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.0859	0.4540	0.7333	2.0500e-003	0.2328	0.0144	0.2471	0.0978	0.0144	0.1122	0.0000	178.7703	178.7703	8.1600e-003	0.0000	178.9742
2031	0.4028	2.1659	3.4490	0.0122	1.1070	0.0412	1.1482	0.4254	0.0409	0.4663	0.0000	1,119.4620	1,119.4620	0.0399	0.0000	1,120.4582
2032	1.3765	2.5107	4.1152	0.0158	1.1251	0.0267	1.1518	0.3017	0.0263	0.3280	0.0000	1,437.7556	1,437.7556	0.0460	0.0000	1,438.9066
2033	1.1303	1.4866	2.5443	9.2200e-003	0.6433	0.0207	0.6640	0.1724	0.0204	0.1928	0.0000	837.1624	837.1624	0.0268	0.0000	837.8311
Maximum	**1.3765**	**2.5107**	**4.1152**	**0.0158**	**1.1251**	**0.0412**	**1.1518**	**0.4254**	**0.0409**	**0.4663**	**0.0000**	**1,437.7556**	**1,437.7556**	**0.0460**	**0.0000**	**1,438.9066**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.0859	0.4540	0.7333	2.0500e-003	0.1113	0.0144	0.1257	0.0458	0.0144	0.0601	0.0000	178.7701	178.7701	8.1600e-003	0.0000	178.9740
2031	0.4028	2.1659	3.4490	0.0122	0.8218	0.0412	0.8630	0.2783	0.0409	0.3192	0.0000	1,119.4613	1,119.4613	0.0399	0.0000	1,120.4576
2032	1.3765	2.5106	4.1152	0.0158	1.1251	0.0267	1.1518	0.3017	0.0263	0.3280	0.0000	1,437.7552	1,437.7552	0.0460	0.0000	1,438.9061
2033	1.1303	1.4866	2.5443	9.2200e-003	0.6433	0.0207	0.6640	0.1724	0.0204	0.1928	0.0000	837.1621	837.1621	0.0268	0.0000	837.8308
Maximum	**1.3765**	**2.5106**	**4.1152**	**0.0158**	**1.1251**	**0.0412**	**1.1518**	**0.3017**	**0.0409**	**0.3280**	**0.0000**	**1,437.7552**	**1,437.7552**	**0.0460**	**0.0000**	**1,438.9061**

	ROG	NOx	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**	**13.08**	**0.00**	**12.66**	**19.97**	**0.00**	**18.11**	**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	9-16-2030	12-15-2030	0.4442	0.4442
2	12-16-2030	3-15-2031	0.5358	0.5358
3	3-16-2031	6-15-2031	0.5791	0.5791
4	6-16-2031	9-15-2031	0.7089	0.7089
5	9-16-2031	12-15-2031	0.7063	0.7063
6	12-16-2031	3-15-2032	0.7007	0.7007
7	3-16-2032	6-15-2032	0.7768	0.7768
8	6-16-2032	9-15-2032	1.1576	1.1576

9	**9-16-2032**	**12-15-2032**	1.1509	1.1509
10	**12-16-2032**	**3-15-2033**	1.1330	1.1330
11	**3-16-2033**	**6-15-2033**	1.1513	1.1513
12	**6-16-2033**	**9-15-2033**	0.5302	0.5302
		Highest	1.1576	1.1576

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	2.4689	0.0624	5.4110	2.9000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	8.8624	8.8624	8.4500e-003	0.0000	9.0735
Energy	0.0279	0.2389	0.1081	1.5200e-003		0.0192	0.0192		0.0192	0.0192	0.0000	1,161.2576	1,161.2576	0.0419	0.0126	1,166.0639
Mobile	0.9000	5.6925	11.7289	0.0619	6.6042	0.0315	6.6357	1.7690	0.0293	1.7982	0.0000	5,773.1119	5,773.1119	0.2209	0.0000	5,778.6331
Waste						0.0000	0.0000		0.0000	0.0000	59.7017	0.0000	59.7017	3.5283	0.0000	147.9084
Water						0.0000	0.0000		0.0000	0.0000	12.9736	264.1347	277.1084	1.3434	0.0337	320.7424
Total	**3.3967**	**5.9938**	**17.2480**	**0.0638**	**6.6042**	**0.0808**	**6.6850**	**1.7690**	**0.0786**	**1.8476**	**72.6753**	**7,207.3666**	**7,280.0419**	**5.1428**	**0.0463**	**7,422.4213**

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	2.4689	0.0624	5.4110	2.9000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	8.8624	8.8624	8.4500e-003	0.0000	9.0735
Energy	0.0279	0.2389	0.1081	1.5200e-003		0.0192	0.0192		0.0192	0.0192	0.0000	1,161.2576	1,161.2576	0.0419	0.0126	1,166.0639
Mobile	0.7960	5.1682	9.3654	0.0480	5.0024	0.0247	5.0271	1.3399	0.0229	1.3629	0.0000	4,480.8115	4,480.8115	0.1782	0.0000	4,485.2660
Waste						0.0000	0.0000		0.0000	0.0000	59.7017	0.0000	59.7017	3.5283	0.0000	147.9084
Water						0.0000	0.0000		0.0000	0.0000	10.3789	230.2032	240.5821	1.0755	0.0271	275.5569
Total	**3.2928**	**5.4695**	**14.8845**	**0.0498**	**5.0024**	**0.0740**	**5.0764**	**1.3399**	**0.0723**	**1.4122**	**70.0806**	**5,881.1346**	**5,951.2152**	**4.8323**	**0.0398**	**6,083.8686**

	ROG	NOx	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	**3.06**	**8.75**	**13.70**	**21.82**	**24.25**	**8.43**	**24.06**	**24.25**	**8.05**	**23.57**	**3.57**	**18.40**	**18.25**	**6.04**	**14.20**	**18.03**

3.0 Construction Detail

Construction Phase

Compton Hub City Specific Plan (Phase 5) - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/16/2030	12/6/2030	5	60	
2	Site Preparation	Site Preparation	12/7/2030	1/31/2031	5	40	
3	Grading	Grading	2/1/2031	6/6/2031	5	90	
4	Building Construction	Building Construction	6/7/2031	7/15/2033	5	550	
5	Architectural Coating	Architectural Coating	6/1/2032	7/15/2033	5	294	
6	Paving	Paving	7/16/2033	9/2/2033	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 4.18

Residential Indoor: 1,064,982; Residential Outdoor: 354,994; Non-Residential Indoor: 78,888; Non-Residential Outdoor: 26,296; Striped Parking Area: 30,161 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 5) - South Coast AQMD Air District, 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	621.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	622.00	153.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	124.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0673	0.0000	0.0673	0.0102	0.0000	0.0102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.2933	0.5675	1.3900e-003		0.0105	0.0105		0.0105	0.0105	0.0000	119.1655	119.1655	5.0300e-003	0.0000	119.2912
Total	**0.0622**	**0.2933**	**0.5675**	**1.3900e-003**	**0.0673**	**0.0105**	**0.0778**	**0.0102**	**0.0105**	**0.0207**	**0.0000**	**119.1655**	**119.1655**	**5.0300e-003**	**0.0000**	**119.2912**

3.2 Demolition - 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	1.3900e-003	0.0437	0.0160	2.2000e-004	5.3400e-003	8.0000e-005	5.4200e-003	1.4700e-003	8.0000e-005	1.5400e-003	0.0000	21.3290	21.3290	1.3800e-003	0.0000	21.3636
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	1.1400e-003	6.3000e-004	8.4200e-003	4.0000e-005	4.9400e-003	2.0000e-005	4.9600e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	3.1880	3.1880	5.0000e-005	0.0000	3.1892
Total	**2.5300e-003**	**0.0443**	**0.0244**	**2.6000e-004**	**0.0103**	**1.0000e-004**	**0.0104**	**2.7800e-003**	**1.0000e-004**	**2.8700e-003**	**0.0000**	**24.5170**	**24.5170**	**1.4300e-003**	**0.0000**	**24.5528**

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					0.0303	0.0000	0.0303	4.5800e-003	0.0000	4.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.2933	0.5675	1.3900e-003		0.0105	0.0105		0.0105	0.0105	0.0000	119.1653	119.1653	5.0300e-003	0.0000	119.2910
Total	**0.0622**	**0.2933**	**0.5675**	**1.3900e-003**	**0.0303**	**0.0105**	**0.0408**	**4.5800e-003**	**0.0105**	**0.0151**	**0.0000**	**119.1653**	**119.1653**	**5.0300e-003**	**0.0000**	**119.2910**

3.2 Demolition - 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	1.3900e-003	0.0437	0.0160	2.2000e-004	5.3400e-003	8.0000e-005	5.4200e-003	1.4700e-003	8.0000e-005	1.5400e-003	0.0000	21.3290	21.3290	1.3800e-003	0.0000	21.3636
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	1.1400e-003	6.3000e-004	8.4200e-003	4.0000e-005	4.9400e-003	2.0000e-005	4.9600e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	3.1880	3.1880	5.0000e-005	0.0000	3.1892
Total	**2.5300e-003**	**0.0443**	**0.0244**	**2.6000e-004**	**0.0103**	**1.0000e-004**	**0.0104**	**2.7800e-003**	**1.0000e-004**	**2.8700e-003**	**0.0000**	**24.5170**	**24.5170**	**1.4300e-003**	**0.0000**	**24.5528**

3.3 Site Preparation - 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					
Fugitive Dust					0.1536	0.0000	0.1536	0.0844	0.0000	0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.1162	0.1385	4.0000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	34.0039	34.0039	1.6800e-003	0.0000	34.0459
Total	**0.0207**	**0.1162**	**0.1385**	**4.0000e-004**	**0.1536**	**3.7100e-003**	**0.1573**	**0.0844**	**3.7100e-003**	**0.0881**	**0.0000**	**34.0039**	**34.0039**	**1.6800e-003**	**0.0000**	**34.0459**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.1000e-004	2.8600e-003	1.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.5000e-004	0.0000	1.0839	1.0839	2.0000e-005	0.0000	1.0843
Total	**3.9000e-004**	**2.1000e-004**	**2.8600e-003**	**1.0000e-005**	**1.6800e-003**	**1.0000e-005**	**1.6900e-003**	**4.5000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.0839**	**1.0839**	**2.0000e-005**	**0.0000**	**1.0843**

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					0.0691	0.0000	0.0691	0.0380	0.0000	0.0380	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.1162	0.1385	4.0000e-004		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	34.0039	34.0039	1.6800e-003	0.0000	34.0458
Total	**0.0207**	**0.1162**	**0.1385**	**4.0000e-004**	**0.0691**	**3.7100e-003**	**0.0728**	**0.0380**	**3.7100e-003**	**0.0417**	**0.0000**	**34.0039**	**34.0039**	**1.6800e-003**	**0.0000**	**34.0458**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.1000e-004	2.8600e-003	1.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.5000e-004	0.0000	1.0839	1.0839	2.0000e-005	0.0000	1.0843
Total	**3.9000e-004**	**2.1000e-004**	**2.8600e-003**	**1.0000e-005**	**1.6800e-003**	**1.0000e-005**	**1.6900e-003**	**4.5000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.0839**	**1.0839**	**2.0000e-005**	**0.0000**	**1.0843**

3.3 Site Preparation - 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					
Fugitive Dust					0.2078	0.0000	0.2078	0.1142	0.0000	0.1142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0281	0.1572	0.1874	5.4000e-004		5.0200e-003	5.0200e-003		5.0200e-003	5.0200e-003	0.0000	46.0053	46.0053	2.2700e-003	0.0000	46.0621
Total	**0.0281**	**0.1572**	**0.1874**	**5.4000e-004**	**0.2078**	**5.0200e-003**	**0.2128**	**0.1142**	**5.0200e-003**	**0.1192**	**0.0000**	**46.0053**	**46.0053**	**2.2700e-003**	**0.0000**	**46.0621**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	4.9000e-004	2.6000e-004	3.6400e-003	2.0000e-005	2.2700e-003	1.0000e-005	2.2800e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.4361	1.4361	2.0000e-005	0.0000	1.4367
Total	**4.9000e-004**	**2.6000e-004**	**3.6400e-003**	**2.0000e-005**	**2.2700e-003**	**1.0000e-005**	**2.2800e-003**	**6.0000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.4361**	**1.4361**	**2.0000e-005**	**0.0000**	**1.4367**

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					0.0935	0.0000	0.0935	0.0514	0.0000	0.0514	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0281	0.1572	0.1874	5.4000e-004		5.0200e-003	5.0200e-003		5.0200e-003	5.0200e-003	0.0000	46.0053	46.0053	2.2700e-003	0.0000	46.0620
Total	**0.0281**	**0.1572**	**0.1874**	**5.4000e-004**	**0.0935**	**5.0200e-003**	**0.0985**	**0.0514**	**5.0200e-003**	**0.0564**	**0.0000**	**46.0053**	**46.0053**	**2.2700e-003**	**0.0000**	**46.0620**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	4.9000e-004	2.6000e-004	3.6400e-003	2.0000e-005	2.2700e-003	1.0000e-005	2.2800e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.4361	1.4361	2.0000e-005	0.0000	1.4367
Total	**4.9000e-004**	**2.6000e-004**	**3.6400e-003**	**2.0000e-005**	**2.2700e-003**	**1.0000e-005**	**2.2800e-003**	**6.0000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.4361**	**1.4361**	**2.0000e-005**	**0.0000**	**1.4367**

3.4 Grading - 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					
Fugitive Dust					0.3108	0.0000	0.3108	0.1533	0.0000	0.1533	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1476	0.6231	1.0361	3.1500e-003		0.0220	0.0220		0.0220	0.0220	0.0000	294.4630	294.4630	0.0119	0.0000	294.7605
Total	**0.1476**	**0.6231**	**1.0361**	**3.1500e-003**	**0.3108**	**0.0220**	**0.3327**	**0.1533**	**0.0220**	**0.1752**	**0.0000**	**294.4630**	**294.4630**	**0.0119**	**0.0000**	**294.7605**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	1.1500e-003	0.0158	7.0000e-005	9.8700e-003	5.0000e-005	9.9200e-003	2.6200e-003	4.0000e-005	2.6700e-003	0.0000	6.2441	6.2441	9.0000e-005	0.0000	6.2464
Total	**2.1100e-003**	**1.1500e-003**	**0.0158**	**7.0000e-005**	**9.8700e-003**	**5.0000e-005**	**9.9200e-003**	**2.6200e-003**	**4.0000e-005**	**2.6700e-003**	**0.0000**	**6.2441**	**6.2441**	**9.0000e-005**	**0.0000**	**6.2464**

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					0.1398	0.0000	0.1398	0.0690	0.0000	0.0690	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1476	0.6231	1.0361	3.1500e-003		0.0220	0.0220		0.0220	0.0220	0.0000	294.4626	294.4626	0.0119	0.0000	294.7602
Total	**0.1476**	**0.6231**	**1.0361**	**3.1500e-003**	**0.1398**	**0.0220**	**0.1618**	**0.0690**	**0.0220**	**0.0909**	**0.0000**	**294.4626**	**294.4626**	**0.0119**	**0.0000**	**294.7602**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	1.1500e-003	0.0158	7.0000e-005	9.8700e-003	5.0000e-005	9.9200e-003	2.6200e-003	4.0000e-005	2.6700e-003	0.0000	6.2441	6.2441	9.0000e-005	0.0000	6.2464
Total	**2.1100e-003**	**1.1500e-003**	**0.0158**	**7.0000e-005**	**9.8700e-003**	**5.0000e-005**	**9.9200e-003**	**2.6200e-003**	**4.0000e-005**	**2.6700e-003**	**0.0000**	**6.2441**	**6.2441**	**9.0000e-005**	**0.0000**	**6.2464**

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	0.0969	0.5872	1.1956	2.2900e-003		0.0110	0.0110		0.0110	0.0110	0.0000	194.5172	194.5172	7.8000e-003	0.0000	194.7123
Total	**0.0969**	**0.5872**	**1.1956**	**2.2900e-003**		**0.0110**	**0.0110**		**0.0110**	**0.0110**	**0.0000**	**194.5172**	**194.5172**	**7.8000e-003**	**0.0000**	**194.7123**

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	0.0196	0.7385	0.2008	2.6400e-003	0.0714	7.8000e-004	0.0722	0.0206	7.5000e-004	0.0213	0.0000	257.4594	257.4594	0.0130	0.0000	257.7838
Worker	0.1080	0.0586	0.8097	3.5300e-003	0.5050	2.3800e-003	0.5074	0.1341	2.1900e-003	0.1363	0.0000	319.3368	319.3368	4.7900e-003	0.0000	319.4565
Total	**0.1276**	**0.7971**	**1.0105**	**6.1700e-003**	**0.5764**	**3.1600e-003**	**0.5795**	**0.1547**	**2.9400e-003**	**0.1576**	**0.0000**	**576.7963**	**576.7963**	**0.0178**	**0.0000**	**577.2403**

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	0.0969	0.5872	1.1956	2.2900e-003		0.0110	0.0110		0.0110	0.0110	0.0000	194.5169	194.5169	7.8000e-003	0.0000	194.7120
Total	**0.0969**	**0.5872**	**1.1956**	**2.2900e-003**		**0.0110**	**0.0110**		**0.0110**	**0.0110**	**0.0000**	**194.5169**	**194.5169**	**7.8000e-003**	**0.0000**	**194.7120**

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	0.0196	0.7385	0.2008	2.6400e-003	0.0714	7.8000e-004	0.0722	0.0206	7.5000e-004	0.0213	0.0000	257.4594	257.4594	0.0130	0.0000	257.7838
Worker	0.1080	0.0586	0.8097	3.5300e-003	0.5050	2.3800e-003	0.5074	0.1341	2.1900e-003	0.1363	0.0000	319.3368	319.3368	4.7900e-003	0.0000	319.4565
Total	**0.1276**	**0.7971**	**1.0105**	**6.1700e-003**	**0.5764**	**3.1600e-003**	**0.5795**	**0.1547**	**2.9400e-003**	**0.1576**	**0.0000**	**576.7963**	**576.7963**	**0.0178**	**0.0000**	**577.2403**

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	0.0343	1.2991	0.3538	4.6700e-003	0.1263	1.3600e-003	0.1277	0.0365	1.3000e-003	0.0378	0.0000	454.8689	454.8689	0.0228	0.0000	455.4377
Worker	0.1775	0.0951	1.3484	6.1200e-003	0.8940	3.9200e-003	0.8979	0.2374	3.6100e-003	0.2410	0.0000	553.9655	553.9655	7.7700e-003	0.0000	554.1596
Total	**0.2118**	**1.3941**	**1.7022**	**0.0108**	**1.0203**	**5.2800e-003**	**1.0256**	**0.2739**	**4.9100e-003**	**0.2788**	**0.0000**	**1,008.8344**	**1,008.8344**	**0.0305**	**0.0000**	**1,009.5973**

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	0.0343	1.2991	0.3538	4.6700e-003	0.1263	1.3600e-003	0.1277	0.0365	1.3000e-003	0.0378	0.0000	454.8689	454.8689	0.0228	0.0000	455.4377
Worker	0.1775	0.0951	1.3484	6.1200e-003	0.8940	3.9200e-003	0.8979	0.2374	3.6100e-003	0.2410	0.0000	553.9655	553.9655	7.7700e-003	0.0000	554.1596
Total	**0.2118**	**1.3941**	**1.7022**	**0.0108**	**1.0203**	**5.2800e-003**	**1.0256**	**0.2739**	**4.9100e-003**	**0.2788**	**0.0000**	**1,008.8344**	**1,008.8344**	**0.0305**	**0.0000**	**1,009.5973**

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	0.0916	0.5554	1.1310	2.1700e-003		0.0104	0.0104		0.0104	0.0104	0.0000	184.0027	184.0027	7.3800e-003	0.0000	184.1873
Total	**0.0916**	**0.5554**	**1.1310**	**2.1700e-003**		**0.0104**	**0.0104**		**0.0104**	**0.0104**	**0.0000**	**184.0027**	**184.0027**	**7.3800e-003**	**0.0000**	**184.1873**

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	0.0182	0.6901	0.1885	2.4900e-003	0.0675	7.2000e-004	0.0682	0.0195	6.9000e-004	0.0202	0.0000	242.6838	242.6838	0.0121	0.0000	242.9852
Worker	0.0886	0.0469	0.6816	3.2100e-003	0.4777	1.9600e-003	0.4797	0.1269	1.8000e-003	0.1287	0.0000	290.7193	290.7193	3.8300e-003	0.0000	290.8149
Total	**0.1068**	**0.7370**	**0.8701**	**5.7000e-003**	**0.5452**	**2.6800e-003**	**0.5479**	**0.1463**	**2.4900e-003**	**0.1488**	**0.0000**	**533.4031**	**533.4031**	**0.0159**	**0.0000**	**533.8001**

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	0.0916	0.5554	1.1310	2.1700e-003		0.0104	0.0104		0.0104	0.0104	0.0000	184.0025	184.0025	7.3800e-003	0.0000	184.1870
Total	**0.0916**	**0.5554**	**1.1310**	**2.1700e-003**		**0.0104**	**0.0104**		**0.0104**	**0.0104**	**0.0000**	**184.0025**	**184.0025**	**7.3800e-003**	**0.0000**	**184.1870**

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	0.0182	0.6901	0.1885	2.4900e-003	0.0675	7.2000e-004	0.0682	0.0195	6.9000e-004	0.0202	0.0000	242.6838	242.6838	0.0121	0.0000	242.9852
Worker	0.0886	0.0469	0.6816	3.2100e-003	0.4777	1.9600e-003	0.4797	0.1269	1.8000e-003	0.1287	0.0000	290.7193	290.7193	3.8300e-003	0.0000	290.8149
Total	**0.1068**	**0.7370**	**0.8701**	**5.7000e-003**	**0.5452**	**2.6800e-003**	**0.5479**	**0.1463**	**2.4900e-003**	**0.1488**	**0.0000**	**533.4031**	**533.4031**	**0.0159**	**0.0000**	**533.8001**

3.6 Architectural Coating - 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					
Archit. Coating	0.9623					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.0659	0.1384	2.3000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	19.6601	19.6601	8.0000e-004	0.0000	19.6800
Total	**0.9724**	**0.0659**	**0.1384**	**2.3000e-004**		**1.5600e-003**	**1.5600e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**19.6601**	**19.6601**	**8.0000e-004**	**0.0000**	**19.6800**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0208	0.0111	0.1580	7.2000e-004	0.1048	4.6000e-004	0.1052	0.0278	4.2000e-004	0.0282	0.0000	64.9133	64.9133	9.1000e-004	0.0000	64.9360
Total	**0.0208**	**0.0111**	**0.1580**	**7.2000e-004**	**0.1048**	**4.6000e-004**	**0.1052**	**0.0278**	**4.2000e-004**	**0.0282**	**0.0000**	**64.9133**	**64.9133**	**9.1000e-004**	**0.0000**	**64.9360**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9623					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.0659	0.1384	2.3000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	19.6600	19.6600	8.0000e-004	0.0000	19.6799
Total	**0.9724**	**0.0659**	**0.1384**	**2.3000e-004**		**1.5600e-003**	**1.5600e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**19.6600**	**19.6600**	**8.0000e-004**	**0.0000**	**19.6799**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0208	0.0111	0.1580	7.2000e-004	0.1048	4.6000e-004	0.1052	0.0278	4.2000e-004	0.0282	0.0000	64.9133	64.9133	9.1000e-004	0.0000	64.9360
Total	**0.0208**	**0.0111**	**0.1580**	**7.2000e-004**	**0.1048**	**4.6000e-004**	**0.1052**	**0.0278**	**4.2000e-004**	**0.0282**	**0.0000**	**64.9133**	**64.9133**	**9.1000e-004**	**0.0000**	**64.9360**

3.6 Architectural Coating - 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					
Archit. Coating	0.8749					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1500e-003	0.0599	0.1258	2.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	17.8728	17.8728	7.2000e-004	0.0000	17.8909
Total	**0.8840**	**0.0599**	**0.1258**	**2.1000e-004**		**1.4200e-003**	**1.4200e-003**		**1.4200e-003**	**1.4200e-003**	**0.0000**	**17.8728**	**17.8728**	**7.2000e-004**	**0.0000**	**17.8909**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0177	9.3500e-003	0.1359	6.4000e-004	0.0952	3.9000e-004	0.0956	0.0253	3.6000e-004	0.0257	0.0000	57.9569	57.9569	7.6000e-004	0.0000	57.9760
Total	**0.0177**	**9.3500e-003**	**0.1359**	**6.4000e-004**	**0.0952**	**3.9000e-004**	**0.0956**	**0.0253**	**3.6000e-004**	**0.0257**	**0.0000**	**57.9569**	**57.9569**	**7.6000e-004**	**0.0000**	**57.9760**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8749					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1500e-003	0.0599	0.1258	2.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	17.8728	17.8728	7.2000e-004	0.0000	17.8908
Total	**0.8840**	**0.0599**	**0.1258**	**2.1000e-004**		**1.4200e-003**	**1.4200e-003**		**1.4200e-003**	**1.4200e-003**	**0.0000**	**17.8728**	**17.8728**	**7.2000e-004**	**0.0000**	**17.8908**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0177	9.3500e-003	0.1359	6.4000e-004	0.0952	3.9000e-004	0.0956	0.0253	3.6000e-004	0.0257	0.0000	57.9569	57.9569	7.6000e-004	0.0000	57.9760
Total	**0.0177**	**9.3500e-003**	**0.1359**	**6.4000e-004**	**0.0952**	**3.9000e-004**	**0.0956**	**0.0253**	**3.6000e-004**	**0.0257**	**0.0000**	**57.9569**	**57.9569**	**7.6000e-004**	**0.0000**	**57.9760**

3.7 Paving - 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	0.0242	0.1246	0.2774	4.9000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003	0.0000	42.1742	42.1742	1.9800e-003	0.0000	42.2236
Paving	5.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0297**	**0.1246**	**0.2774**	**4.9000e-004**		**5.7900e-003**	**5.7900e-003**		**5.7900e-003**	**5.7900e-003**	**0.0000**	**42.1742**	**42.1742**	**1.9800e-003**	**0.0000**	**42.2236**

3.7 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	5.3000e-004	2.8000e-004	4.1100e-003	2.0000e-005	2.8800e-003	1.0000e-005	2.8900e-003	7.6000e-004	1.0000e-005	7.8000e-004	0.0000	1.7527	1.7527	2.0000e-005	0.0000	1.7533
Total	**5.3000e-004**	**2.8000e-004**	**4.1100e-003**	**2.0000e-005**	**2.8800e-003**	**1.0000e-005**	**2.8900e-003**	**7.6000e-004**	**1.0000e-005**	**7.8000e-004**	**0.0000**	**1.7527**	**1.7527**	**2.0000e-005**	**0.0000**	**1.7533**

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	0.0242	0.1246	0.2774	4.9000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003	0.0000	42.1741	42.1741	1.9800e-003	0.0000	42.2235
Paving	5.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0297**	**0.1246**	**0.2774**	**4.9000e-004**		**5.7900e-003**	**5.7900e-003**		**5.7900e-003**	**5.7900e-003**	**0.0000**	**42.1741**	**42.1741**	**1.9800e-003**	**0.0000**	**42.2235**

3.7 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	5.3000e-004	2.8000e-004	4.1100e-003	2.0000e-005	2.8800e-003	1.0000e-005	2.8900e-003	7.6000e-004	1.0000e-005	7.8000e-004	0.0000	1.7527	1.7527	2.0000e-005	0.0000	1.7533
Total	**5.3000e-004**	**2.8000e-004**	**4.1100e-003**	**2.0000e-005**	**2.8800e-003**	**1.0000e-005**	**2.8900e-003**	**7.6000e-004**	**1.0000e-005**	**7.8000e-004**	**0.0000**	**1.7527**	**1.7527**	**2.0000e-005**	**0.0000**	**1.7533**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7960	5.1682	9.3654	0.0480	5.0024	0.0247	5.0271	1.3399	0.0229	1.3629	0.0000	4,480.8115	4,480.8115	0.1782	0.0000	4,485.2660
Unmitigated	0.9000	5.6925	11.7289	0.0619	6.6042	0.0315	6.6357	1.7690	0.0293	1.7982	0.0000	5,773.1119	5,773.1119	0.2209	0.0000	5,778.6331

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,861.44	3,361.14	3082.36	10,123,627	7,668,243
City Park	0.00	0.00	0.00		
General Office Building	2,204.99	64.70	27.62	5,116,266	3,875,367
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	992.83	1,314.21	663.81	2,144,969	1,624,728
Total	6,059.26	4,740.05	3,773.79	17,384,862	13,168,338

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
City Park	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
General Office Building	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
Other Asphalt Surfaces	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733
Regional Shopping Center	0.551791	0.041127	0.206547	0.110677	0.012251	0.005740	0.022591	0.039252	0.002214	0.001442	0.004918	0.000716	0.000733

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	885.6347	885.6347	0.0366	7.5600e-003	888.8031
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	885.6347	885.6347	0.0366	7.5600e-003	888.8031
NaturalGas Mitigated	0.0279	0.2389	0.1081	1.5200e-003		0.0192	0.0192		0.0192	0.0192	0.0000	275.6229	275.6229	5.2800e-003	5.0500e-003	277.2607
NaturalGas Unmitigated	0.0279	0.2389	0.1081	1.5200e-003		0.0192	0.0192		0.0192	0.0192	0.0000	275.6229	275.6229	5.2800e-003	5.0500e-003	277.2607

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	4.84811e+006	0.0261	0.2234	0.0951	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	258.7136	258.7136	4.9600e-003	4.7400e-003	260.2510
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
General Office Building	273741	1.4800e-003	0.0134	0.0113	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	14.6079	14.6079	2.8000e-004	2.7000e-004	14.6947
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	43125.4	2.3000e-004	2.1100e-003	1.7800e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3013	2.3013	4.0000e-005	4.0000e-005	2.3150
Total		**0.0279**	**0.2389**	**0.1081**	**1.5200e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**	**0.0000**	**275.6229**	**275.6229**	**5.2800e-003**	**5.0500e-003**	**277.2607**

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	4.84811e+006	0.0261	0.2234	0.0951	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	258.7136	258.7136	4.9600e-003	4.7400e-003	260.2510
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
General Office Building	273741	1.4800e-003	0.0134	0.0113	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	14.6079	14.6079	2.8000e-004	2.7000e-004	14.6947
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	43125.4	2.3000e-004	2.1100e-003	1.7800e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3013	2.3013	4.0000e-005	4.0000e-005	2.3150
Total		**0.0279**	**0.2389**	**0.1081**	**1.5200e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**	**0.0000**	**275.6229**	**275.6229**	**5.2800e-003**	**5.0500e-003**	**277.2607**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.083e+006	663.6891	0.0274	5.6700e-003	666.0635
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	341585	108.8363	4.4900e-003	9.3000e-004	109.2257
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	354996	113.1093	4.6700e-003	9.7000e-004	113.5140
Total		**885.6347**	**0.0366**	**7.5700e-003**	**888.8031**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.083e+006	663.6891	0.0274	5.6700e-003	666.0635
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	341585	108.8363	4.4900e-003	9.3000e-004	109.2257
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	354996	113.1093	4.6700e-003	9.7000e-004	113.5140
Total		**885.6347**	**0.0366**	**7.5700e-003**	**888.8031**

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	2.4689	0.0624	5.4110	2.9000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	8.8624	8.8624	8.4500e-003	0.0000	9.0735
Unmitigated	2.4689	0.0624	5.4110	2.9000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	8.8624	8.8624	8.4500e-003	0.0000	9.0735

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1837					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1233					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	0.1619	0.0624	5.4110	2.9000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	8.8624	8.8624	8.4500e-003	0.0000	9.0735
Total	**2.4689**	**0.0624**	**5.4110**	**2.9000e-004**		**0.0301**	**0.0301**		**0.0301**	**0.0301**	**0.0000**	**8.8624**	**8.8624**	**8.4500e-003**	**0.0000**	**9.0735**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1837					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1233					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	0.1619	0.0624	5.4110	2.9000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	8.8624	8.8624	8.4500e-003	0.0000	9.0735
Total	**2.4689**	**0.0624**	**5.4110**	**2.9000e-004**		**0.0301**	**0.0301**		**0.0301**	**0.0301**	**0.0000**	**8.8624**	**8.8624**	**8.4500e-003**	**0.0000**	**9.0735**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	240.5821	1.0755	0.0271	275.5569
Unmitigated	277.1084	1.3434	0.0337	320.7424

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	34.271 / 21.6056	229.5366	1.1258	0.0282	266.0947
City Park	0 / 1.02467	3.6272	1.5000e-004	3.0000e-005	3.6402
General Office Building	4.6744 / 2.86495	31.0176	0.1535	3.8500e-003	36.0029
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.94811 / 1.194	12.9269	0.0640	1.6000e-003	15.0046
Total		**277.1084**	**1.3434**	**0.0337**	**320.7424**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	27.4168 / 21.6056	198.9256	0.9012	0.0227	228.2268
City Park	0 / 1.02467	3.6272	1.5000e-004	3.0000e-005	3.6402
General Office Building	3.73952 / 2.86495	26.8424	0.1229	3.1000e-003	30.8379
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.55849 / 1.194	11.1869	0.0512	1.2900e-003	12.8520
Total		**240.5821**	**1.0755**	**0.0271**	**275.5569**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	59.7017	3.5283	0.0000	147.9084
Unmitigated	59.7017	3.5283	0.0000	147.9084

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	241.96	49.1157	2.9027	0.0000	121.6821
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
General Office Building	24.46	4.9652	0.2934	0.0000	12.3010
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	27.62	5.6066	0.3313	0.0000	13.8901
Total		**59.7017**	**3.5283**	**0.0000**	**147.9084**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	241.96	49.1157	2.9027	0.0000	121.6821
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
General Office Building	24.46	4.9652	0.2934	0.0000	12.3010
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	27.62	5.6066	0.3313	0.0000	13.8901
Total		**59.7017**	**3.5283**	**0.0000**	**147.9084**

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

Compton Hub City Specific Plan (Phase 6)

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	22.97	1000sqft	0.00	22,972.00	0
Other Asphalt Surfaces	1.46	Acre	1.46	63,597.60	0
City Park	0.26	Acre	0.26	11,325.60	0
Apartments Mid Rise	459.00	Dwelling Unit	5.13	459,433.00	1313
Regional Shopping Center	22.97	1000sqft	1.55	22,972.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 6) - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	230.00	550.00
tblConstructionPhase	NumDays	20.00	276.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	9/30/2033	11/25/2033
tblConstructionPhase	PhaseEndDate	10/14/2033	1/6/2034
tblConstructionPhase	PhaseEndDate	11/11/2033	5/12/2034

tblConstructionPhase	PhaseEndDate	9/29/2034	6/20/2036
tblConstructionPhase	PhaseEndDate	11/24/2034	6/20/2036
tblConstructionPhase	PhaseEndDate	10/27/2034	8/8/2036
tblConstructionPhase	PhaseStartDate	10/1/2033	11/26/2033
tblConstructionPhase	PhaseStartDate	10/15/2033	1/7/2034
tblConstructionPhase	PhaseStartDate	11/12/2033	5/13/2034
tblConstructionPhase	PhaseStartDate	10/28/2034	6/1/2035
tblConstructionPhase	PhaseStartDate	9/30/2034	6/21/2036
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	45.90	0.00
tblFireplaces	NumberWood	22.95	0.00
tblGrading	AcresOfGrading	45.00	10.00
tblLandUse	LandUseSquareFeet	459,000.00	459,433.00
tblLandUse	LotAcreage	0.53	0.00
tblLandUse	LotAcreage	12.08	5.13
tblLandUse	LotAcreage	0.53	1.55
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	22.95	0.00
tblWoodstoves	NumberNoncatalytic	22.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	2.4766	13.6853	19.4824	0.0516	18.2675	0.4375	18.7049	9.9840	0.4374	10.4214	0.0000	4,949.8797	4,949.8797	0.2195	0.0000	4,955.2549
2034	2.4744	13.6841	23.4376	0.0760	18.2675	0.4374	18.7049	9.9840	0.4374	10.4214	0.0000	7,513.3384	7,513.3384	0.2349	0.0000	7,519.2119
2035	13.5187	12.6738	26.0634	0.0842	5.4939	0.1226	5.6165	1.4670	0.1210	1.5880	0.0000	8,317.6360	8,317.6360	0.2406	0.0000	8,323.6505
2036	13.5187	12.6738	26.0634	0.0842	5.4939	0.1880	5.6165	1.4670	0.1879	1.5880	0.0000	8,317.6360	8,317.6360	0.2406	0.0000	8,323.6505
Maximum	**13.5187**	**13.6853**	**26.0634**	**0.0842**	**18.2675**	**0.4375**	**18.7049**	**9.9840**	**0.4374**	**10.4214**	**0.0000**	**8,317.6360**	**8,317.6360**	**0.2406**	**0.0000**	**8,323.6505**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	2.4766	13.6853	19.4824	0.0516	8.3310	0.4375	8.7685	4.5222	0.4374	4.9596	0.0000	4,949.8797	4,949.8797	0.2195	0.0000	4,955.2549
2034	2.4744	13.6841	23.4376	0.0760	8.3310	0.4374	8.7684	4.5222	0.4374	4.9595	0.0000	7,513.3384	7,513.3384	0.2349	0.0000	7,519.2119
2035	13.5187	12.6738	26.0634	0.0842	5.4939	0.1226	5.6165	1.4670	0.1210	1.5880	0.0000	8,317.6360	8,317.6360	0.2406	0.0000	8,323.6505
2036	13.5187	12.6738	26.0634	0.0842	5.4939	0.1880	5.6165	1.4670	0.1879	1.5880	0.0000	8,317.6360	8,317.6360	0.2406	0.0000	8,323.6505
Maximum	**13.5187**	**13.6853**	**26.0634**	**0.0842**	**8.3310**	**0.4375**	**8.7685**	**4.5222**	**0.4374**	**4.9596**	**0.0000**	**8,317.6360**	**8,317.6360**	**0.2406**	**0.0000**	**8,323.6505**

	ROG	NOx	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**	**41.82**	**0.00**	**40.85**	**47.70**	**0.00**	**45.48**	**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	12.0091	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100	0.0000	68.1959	68.1959	0.0649	0.0000	69.8193
Energy	0.1332	1.1425	0.5170	7.2600e-003		0.0920	0.0920		0.0920	0.0920		1,452.8245	1,452.8245	0.0279	0.0266	1,461.4579
Mobile	5.5712	32.9253	70.9465	0.3775	39.7623	0.1770	39.9393	10.6345	0.1645	10.7990		38,782.3194	38,782.3194	1.4172		38,817.7495
Total	**17.7134**	**34.5032**	**109.2033**	**0.3868**	**39.7623**	**0.4790**	**40.2413**	**10.6345**	**0.4666**	**11.1010**	**0.0000**	**40,303.3398**	**40,303.3398**	**1.5100**	**0.0266**	**40,349.0268**

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	12.0091	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100	0.0000	68.1959	68.1959	0.0649	0.0000	69.8193
Energy	0.1332	1.1425	0.5170	7.2600e-003		0.0920	0.0920		0.0920	0.0920		1,452.8245	1,452.8245	0.0279	0.0266	1,461.4579
Mobile	4.9612	30.1075	56.1900	0.2930	30.1183	0.1387	30.2570	8.0552	0.1289	8.1841		30,121.8253	30,121.8253	1.1401		30,150.3287
Total	**17.1035**	**31.6854**	**94.4468**	**0.3022**	**30.1183**	**0.4407**	**30.5591**	**8.0552**	**0.4309**	**8.4861**	**0.0000**	**31,642.8458**	**31,642.8458**	**1.2329**	**0.0266**	**31,681.6060**

	ROG	NOx	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	**3.44**	**8.17**	**13.51**	**21.87**	**24.25**	**8.00**	**24.06**	**24.25**	**7.64**	**23.56**	**0.00**	**21.49**	**21.49**	**18.35**	**0.00**	**21.48**

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	9/5/2033	11/25/2033	5	60	
2	Site Preparation	Site Preparation	11/26/2033	1/6/2034	5	30	
3	Grading	Grading	1/7/2034	5/12/2034	5	90	
4	Building Construction	Building Construction	5/13/2034	6/20/2036	5	550	
5	Paving	Paving	6/21/2036	8/8/2036	5	35	
6	Architectural Coating	Architectural Coating	6/1/2035	6/20/2036	5	276	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.46

Residential Indoor: 930,352; Residential Outdoor: 310,117; Non-Residential Indoor: 68,916; Non-Residential Outdoor: 22,972; Striped Parking Area: 3,816 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 6) - South Coast AQMD Air District, 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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	360.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	377.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					1.2994	0.0000	1.2994	0.1967	0.0000	0.1967			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**1.2994**	**0.3511**	**1.6504**	**0.1967**	**0.3511**	**0.5478**		**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

3.2 Demolition - 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	0.0264	0.8056	0.3079	4.1700e-003	0.1049	1.4700e-003	0.1063	0.0287	1.4000e-003	0.0301		455.1092	455.1092	0.0287		455.8276
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	0.0306	0.0144	0.2577	1.1600e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		116.1886	116.1886	1.5500e-003		116.2273
Total	**0.0570**	**0.8200**	**0.5656**	**5.3300e-003**	**0.2725**	**2.1400e-003**	**0.2747**	**0.0732**	**2.0200e-003**	**0.0752**		**571.2978**	**571.2978**	**0.0303**		**572.0549**

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					0.5847	0.0000	0.5847	0.0885	0.0000	0.0885			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**0.5847**	**0.3511**	**0.9358**	**0.0885**	**0.3511**	**0.4396**	**0.0000**	**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

3.2 Demolition - 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	0.0264	0.8056	0.3079	4.1700e-003	0.1049	1.4700e-003	0.1063	0.0287	1.4000e-003	0.0301		455.1092	455.1092	0.0287		455.8276
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	0.0306	0.0144	0.2577	1.1600e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		116.1886	116.1886	1.5500e-003		116.2273
Total	**0.0570**	**0.8200**	**0.5656**	**5.3300e-003**	**0.2725**	**2.1400e-003**	**0.2747**	**0.0732**	**2.0200e-003**	**0.0752**		**571.2978**	**571.2978**	**0.0303**		**572.0549**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0367	0.0173	0.3092	1.4000e-003	0.2012	8.1000e-004	0.2020	0.0534	7.4000e-004	0.0541		139.4264	139.4264	1.8500e-003		139.4727
Total	**0.0367**	**0.0173**	**0.3092**	**1.4000e-003**	**0.2012**	**8.1000e-004**	**0.2020**	**0.0534**	**7.4000e-004**	**0.0541**		**139.4264**	**139.4264**	**1.8500e-003**		**139.4727**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**8.1298**	**0.4367**	**8.5665**	**4.4688**	**0.4367**	**4.9055**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0367	0.0173	0.3092	1.4000e-003	0.2012	8.1000e-004	0.2020	0.0534	7.4000e-004	0.0541		139.4264	139.4264	1.8500e-003		139.4727
Total	**0.0367**	**0.0173**	**0.3092**	**1.4000e-003**	**0.2012**	**8.1000e-004**	**0.2020**	**0.0534**	**7.4000e-004**	**0.0541**		**139.4264**	**139.4264**	**1.8500e-003**		**139.4727**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0345	0.0161	0.2926	1.3700e-003	0.2012	7.6000e-004	0.2020	0.0534	7.0000e-004	0.0541		137.2221	137.2221	1.7100e-003		137.2648
Total	**0.0345**	**0.0161**	**0.2926**	**1.3700e-003**	**0.2012**	**7.6000e-004**	**0.2020**	**0.0534**	**7.0000e-004**	**0.0541**		**137.2221**	**137.2221**	**1.7100e-003**		**137.2648**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**8.1298**	**0.4367**	**8.5665**	**4.4688**	**0.4367**	**4.9055**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0345	0.0161	0.2926	1.3700e-003	0.2012	7.6000e-004	0.2020	0.0534	7.0000e-004	0.0541		137.2221	137.2221	1.7100e-003		137.2648
Total	**0.0345**	**0.0161**	**0.2926**	**1.3700e-003**	**0.2012**	**7.6000e-004**	**0.2020**	**0.0534**	**7.0000e-004**	**0.0541**		**137.2221**	**137.2221**	**1.7100e-003**		**137.2648**

3.4 Grading - 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					
Fugitive Dust					6.1399	0.0000	6.1399	3.3230	0.0000	3.3230			0.0000			0.0000
Off-Road	1.6179	7.7501	14.4518	0.0363		0.2340	0.2340		0.2340	0.2340		3,439.7201	3,439.7201	0.1437		3,443.3117
Total	**1.6179**	**7.7501**	**14.4518**	**0.0363**	**6.1399**	**0.2340**	**6.3739**	**3.3230**	**0.2340**	**3.5570**		**3,439.7201**	**3,439.7201**	**0.1437**		**3,443.3117**

3.4 Grading - 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	0.0287	0.0134	0.2438	1.1500e-003	0.1677	6.3000e-004	0.1683	0.0445	5.8000e-004	0.0451		114.3517	114.3517	1.4200e-003		114.3873
Total	**0.0287**	**0.0134**	**0.2438**	**1.1500e-003**	**0.1677**	**6.3000e-004**	**0.1683**	**0.0445**	**5.8000e-004**	**0.0451**		**114.3517**	**114.3517**	**1.4200e-003**		**114.3873**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7630	0.0000	2.7630	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	1.6179	7.7501	14.4518	0.0363		0.2340	0.2340		0.2340	0.2340	0.0000	3,439.7201	3,439.7201	0.1437		3,443.3117
Total	**1.6179**	**7.7501**	**14.4518**	**0.0363**	**2.7630**	**0.2340**	**2.9970**	**1.4953**	**0.2340**	**1.7293**	**0.0000**	**3,439.7201**	**3,439.7201**	**0.1437**		**3,443.3117**

3.4 Grading - 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	0.0287	0.0134	0.2438	1.1500e-003	0.1677	6.3000e-004	0.1683	0.0445	5.8000e-004	0.0451		114.3517	114.3517	1.4200e-003		114.3873
Total	**0.0287**	**0.0134**	**0.2438**	**1.1500e-003**	**0.1677**	**6.3000e-004**	**0.1683**	**0.0445**	**5.8000e-004**	**0.0451**		**114.3517**	**114.3517**	**1.4200e-003**		**114.3873**

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	0.1143	4.3905	1.1521	0.0162	0.4416	4.5600e-003	0.4462	0.1271	4.3500e-003	0.1315		1,741.7514	1,741.7514	0.0829		1,743.8249
Worker	0.7217	0.3375	6.1285	0.0288	4.2140	0.0158	4.2298	1.1176	0.0146	1.1321		2,874.0403	2,874.0403	0.0358		2,874.9341
Total	**0.8360**	**4.7279**	**7.2806**	**0.0450**	**4.6556**	**0.0204**	**4.6760**	**1.2447**	**0.0189**	**1.2636**		**4,615.7917**	**4,615.7917**	**0.1187**		**4,618.7590**

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	0.1143	4.3905	1.1521	0.0162	0.4416	4.5600e-003	0.4462	0.1271	4.3500e-003	0.1315		1,741.7514	1,741.7514	0.0829		1,743.8249
Worker	0.7217	0.3375	6.1285	0.0288	4.2140	0.0158	4.2298	1.1176	0.0146	1.1321		2,874.0403	2,874.0403	0.0358		2,874.9341
Total	**0.8360**	**4.7279**	**7.2806**	**0.0450**	**4.6556**	**0.0204**	**4.6760**	**1.2447**	**0.0189**	**1.2636**		**4,615.7917**	**4,615.7917**	**0.1187**		**4,618.7590**

3.5 Building Construction - 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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 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	0.1137	4.3722	1.1484	0.0162	0.4416	4.5100e-003	0.4461	0.1271	4.3100e-003	0.1315		1,740.2180	1,740.2180	0.0824		1,742.2788
Worker	0.6829	0.3191	5.8409	0.0284	4.2140	0.0148	4.2288	1.1176	0.0137	1.1312		2,834.5256	2,834.5256	0.0332		2,835.3560
Total	**0.7966**	**4.6913**	**6.9893**	**0.0446**	**4.6556**	**0.0194**	**4.6749**	**1.2447**	**0.0180**	**1.2627**		**4,574.7436**	**4,574.7436**	**0.1157**		**4,577.6349**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 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	0.1137	4.3722	1.1484	0.0162	0.4416	4.5100e-003	0.4461	0.1271	4.3100e-003	0.1315		1,740.2180	1,740.2180	0.0824		1,742.2788
Worker	0.6829	0.3191	5.8409	0.0284	4.2140	0.0148	4.2288	1.1176	0.0137	1.1312		2,834.5256	2,834.5256	0.0332		2,835.3560
Total	**0.7966**	**4.6913**	**6.9893**	**0.0446**	**4.6556**	**0.0194**	**4.6749**	**1.2447**	**0.0180**	**1.2627**		**4,574.7436**	**4,574.7436**	**0.1157**		**4,577.6349**

3.5 Building Construction - 2036

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2036

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	0.1137	4.3722	1.1484	0.0162	0.4416	4.5100e-003	0.4461	0.1271	4.3100e-003	0.1315		1,740.2180	1,740.2180	0.0824		1,742.2788
Worker	0.6829	0.3191	5.8409	0.0284	4.2140	0.0148	4.2288	1.1176	0.0137	1.1312		2,834.5256	2,834.5256	0.0332		2,835.3560
Total	**0.7966**	**4.6913**	**6.9893**	**0.0446**	**4.6556**	**0.0194**	**4.6749**	**1.2447**	**0.0180**	**1.2627**		**4,574.7436**	**4,574.7436**	**0.1157**		**4,577.6349**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2036

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	0.1137	4.3722	1.1484	0.0162	0.4416	4.5100e-003	0.4461	0.1271	4.3100e-003	0.1315		1,740.2180	1,740.2180	0.0824		1,742.2788
Worker	0.6829	0.3191	5.8409	0.0284	4.2140	0.0148	4.2288	1.1176	0.0137	1.1312		2,834.5256	2,834.5256	0.0332		2,835.3560
Total	**0.7966**	**4.6913**	**6.9893**	**0.0446**	**4.6556**	**0.0194**	**4.6749**	**1.2447**	**0.0180**	**1.2627**		**4,574.7436**	**4,574.7436**	**0.1157**		**4,577.6349**

3.6 Paving - 2036

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	0.1093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2498**	**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 - 2036

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

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	0.1093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2498**	**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 - 2036

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

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	11.2515					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	**11.3694**	**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	0.1359	0.0635	1.1620	5.6500e-003	0.8383	2.9500e-003	0.8413	0.2223	2.7200e-003	0.2250		563.8977	563.8977	6.6100e-003		564.0629
Total	**0.1359**	**0.0635**	**1.1620**	**5.6500e-003**	**0.8383**	**2.9500e-003**	**0.8413**	**0.2223**	**2.7200e-003**	**0.2250**		**563.8977**	**563.8977**	**6.6100e-003**		**564.0629**

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	11.2515					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	**11.3694**	**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	0.1359	0.0635	1.1620	5.6500e-003	0.8383	2.9500e-003	0.8413	0.2223	2.7200e-003	0.2250		563.8977	563.8977	6.6100e-003		564.0629
Total	**0.1359**	**0.0635**	**1.1620**	**5.6500e-003**	**0.8383**	**2.9500e-003**	**0.8413**	**0.2223**	**2.7200e-003**	**0.2250**		**563.8977**	**563.8977**	**6.6100e-003**		**564.0629**

3.7 Architectural Coating - 2036

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	11.2515					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	**11.3694**	**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 - 2036

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	0.1359	0.0635	1.1620	5.6500e-003	0.8383	2.9500e-003	0.8413	0.2223	2.7200e-003	0.2250		563.8977	563.8977	6.6100e-003		564.0629
Total	**0.1359**	**0.0635**	**1.1620**	**5.6500e-003**	**0.8383**	**2.9500e-003**	**0.8413**	**0.2223**	**2.7200e-003**	**0.2250**		**563.8977**	**563.8977**	**6.6100e-003**		**564.0629**

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	11.2515					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	**11.3694**	**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 - 2036

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	0.1359	0.0635	1.1620	5.6500e-003	0.8383	2.9500e-003	0.8413	0.2223	2.7200e-003	0.2250		563.8977	563.8977	6.6100e-003		564.0629
Total	**0.1359**	**0.0635**	**1.1620**	**5.6500e-003**	**0.8383**	**2.9500e-003**	**0.8413**	**0.2223**	**2.7200e-003**	**0.2250**		**563.8977**	**563.8977**	**6.6100e-003**		**564.0629**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.9612	30.1075	56.1900	0.2930	30.1183	0.1387	30.2570	8.0552	0.1289	8.1841		30,121.8253	30,121.8253	1.1401		30,150.3287
Unmitigated	5.5712	32.9253	70.9465	0.3775	39.7623	0.1770	39.9393	10.6345	0.1645	10.7990		38,782.3194	38,782.3194	1.4172		38,817.7495

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,496.96	2,933.01	2689.74	8,834,116	6,691,489
City Park	0.00	0.00	0.00		
General Office Building	1,925.97	56.51	24.12	4,468,854	3,384,978
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	867.19	1,147.91	579.81	1,873,545	1,419,135
Total	5,290.13	4,137.43	3,293.67	15,176,515	11,495,603

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
City Park	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
General Office Building	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
Other Asphalt Surfaces	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
Regional Shopping Center	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1332	1.1425	0.5170	7.2600e-003		0.0920	0.0920		0.0920	0.0920		1,452.8245	1,452.8245	0.0279	0.0266	1,461.4579
NaturalGas Unmitigated	0.1332	1.1425	0.5170	7.2600e-003		0.0920	0.0920		0.0920	0.0920		1,452.8245	1,452.8245	0.0279	0.0266	1,461.4579

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	11590.6	0.1250	1.0682	0.4545	6.8200e-003		0.0864	0.0864		0.0864	0.0864		1,363.6021	1,363.6021	0.0261	0.0250	1,371.7053
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
General Office Building	655.174	7.0700e-003	0.0642	0.0540	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003		77.0793	77.0793	1.4800e-003	1.4100e-003	77.5373
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	103.217	1.1100e-003	0.0101	8.5000e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004		12.1431	12.1431	2.3000e-004	2.2000e-004	12.2153
Total		**0.1332**	**1.1425**	**0.5170**	**7.2700e-003**		**0.0920**	**0.0920**		**0.0920**	**0.0920**		**1,452.8245**	**1,452.8245**	**0.0279**	**0.0266**	**1,461.4579**

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	11.5906	0.1250	1.0682	0.4545	6.8200e-003		0.0864	0.0864		0.0864	0.0864		1,363.6021	1,363.6021	0.0261	0.0250	1,371.7053
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
General Office Building	0.655174	7.0700e-003	0.0642	0.0540	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003		77.0793	77.0793	1.4800e-003	1.4100e-003	77.5373
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.103217	1.1100e-003	0.0101	8.5000e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004		12.1431	12.1431	2.3000e-004	2.2000e-004	12.2153
Total		**0.1332**	**1.1425**	**0.5170**	**7.2700e-003**		**0.0920**	**0.0920**		**0.0920**	**0.0920**		**1,452.8245**	**1,452.8245**	**0.0279**	**0.0266**	**1,461.4579**

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	12.0091	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100	0.0000	68.1959	68.1959	0.0649	0.0000	69.8193
Unmitigated	12.0091	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100	0.0000	68.1959	68.1959	0.0649	0.0000	69.8193

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0296					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	1.1287	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100		68.1959	68.1959	0.0649		69.8193
Total	**12.0091**	**0.4354**	**37.7398**	**2.0000e-003**		**0.2100**	**0.2100**		**0.2100**	**0.2100**	**0.0000**	**68.1959**	**68.1959**	**0.0649**	**0.0000**	**69.8193**

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	0.8508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0296					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	1.1287	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100		68.1959	68.1959	0.0649		69.8193
Total	**12.0091**	**0.4354**	**37.7398**	**2.0000e-003**		**0.2100**	**0.2100**		**0.2100**	**0.2100**	**0.0000**	**68.1959**	**68.1959**	**0.0649**	**0.0000**	**69.8193**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 6)

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	22.97	1000sqft	0.00	22,972.00	0
Other Asphalt Surfaces	1.46	Acre	1.46	63,597.60	0
City Park	0.26	Acre	0.26	11,325.60	0
Apartments Mid Rise	459.00	Dwelling Unit	5.13	459,433.00	1313
Regional Shopping Center	22.97	1000sqft	1.55	22,972.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	230.00	550.00
tblConstructionPhase	NumDays	20.00	276.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	9/30/2033	11/25/2033
tblConstructionPhase	PhaseEndDate	10/14/2033	1/6/2034
tblConstructionPhase	PhaseEndDate	11/11/2033	5/12/2034

tblConstructionPhase	PhaseEndDate	9/29/2034	6/20/2036
tblConstructionPhase	PhaseEndDate	11/24/2034	6/20/2036
tblConstructionPhase	PhaseEndDate	10/27/2034	8/8/2036
tblConstructionPhase	PhaseStartDate	10/1/2033	11/26/2033
tblConstructionPhase	PhaseStartDate	10/15/2033	1/7/2034
tblConstructionPhase	PhaseStartDate	11/12/2033	5/13/2034
tblConstructionPhase	PhaseStartDate	10/28/2034	6/1/2035
tblConstructionPhase	PhaseStartDate	9/30/2034	6/21/2036
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	45.90	0.00
tblFireplaces	NumberWood	22.95	0.00
tblGrading	AcresOfGrading	45.00	10.00
tblLandUse	LandUseSquareFeet	459,000.00	459,433.00
tblLandUse	LotAcreage	0.53	0.00
tblLandUse	LotAcreage	12.08	5.13
tblLandUse	LotAcreage	0.53	1.55
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	22.95	0.00
tblWoodstoves	NumberNoncatalytic	22.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	2.4811	13.6868	19.4657	0.0514	18.2675	0.4375	18.7049	9.9840	0.4374	10.4214	0.0000	4,934.0733	4,934.0733	0.2193	0.0000	4,939.4647
2034	2.4787	13.6855	22.8165	0.0736	18.2675	0.4374	18.7049	9.9840	0.4374	10.4214	0.0000	7,274.5751	7,274.5751	0.2367	0.0000	7,280.4938
2035	13.6276	12.6776	25.3279	0.0814	5.4939	0.1227	5.6166	1.4670	0.1211	1.5881	0.0000	8,043.5990	8,043.5990	0.2420	0.0000	8,049.6481
2036	13.6276	12.6776	25.3279	0.0814	5.4939	0.1880	5.6166	1.4670	0.1879	1.5881	0.0000	8,043.5990	8,043.5990	0.2420	0.0000	8,049.6481
Maximum	**13.6276**	**13.6868**	**25.3279**	**0.0814**	**18.2675**	**0.4375**	**18.7049**	**9.9840**	**0.4374**	**10.4214**	**0.0000**	**8,043.5990**	**8,043.5990**	**0.2420**	**0.0000**	**8,049.6481**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	2.4811	13.6868	19.4657	0.0514	8.3310	0.4375	8.7685	4.5222	0.4374	4.9596	0.0000	4,934.0733	4,934.0733	0.2193	0.0000	4,939.4647
2034	2.4787	13.6855	22.8165	0.0736	8.3310	0.4374	8.7684	4.5222	0.4374	4.9595	0.0000	7,274.5751	7,274.5751	0.2367	0.0000	7,280.4938
2035	13.6276	12.6776	25.3279	0.0814	5.4939	0.1227	5.6166	1.4670	0.1211	1.5881	0.0000	8,043.5990	8,043.5990	0.2420	0.0000	8,049.6481
2036	13.6276	12.6776	25.3279	0.0814	5.4939	0.1880	5.6166	1.4670	0.1879	1.5881	0.0000	8,043.5990	8,043.5990	0.2420	0.0000	8,049.6481
Maximum	**13.6276**	**13.6868**	**25.3279**	**0.0814**	**8.3310**	**0.4375**	**8.7685**	**4.5222**	**0.4374**	**4.9596**	**0.0000**	**8,043.5990**	**8,043.5990**	**0.2420**	**0.0000**	**8,049.6481**

	ROG	NOx	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**	**41.82**	**0.00**	**40.85**	**47.70**	**0.00**	**45.48**	**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	12.0091	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100	0.0000	68.1959	68.1959	0.0649	0.0000	69.8193
Energy	0.1332	1.1425	0.5170	7.2600e-003		0.0920	0.0920		0.0920	0.0920		1,452.8245	1,452.8245	0.0279	0.0266	1,461.4579
Mobile	5.2738	33.1006	66.4291	0.3581	39.7623	0.1775	39.9398	10.6345	0.1650	10.7994		36,813.8997	36,813.8997	1.4331		36,849.7283
Total	**17.4161**	**34.6785**	**104.6859**	**0.3673**	**39.7623**	**0.4795**	**40.2418**	**10.6345**	**0.4670**	**11.1015**	**0.0000**	**38,334.9201**	**38,334.9201**	**1.5259**	**0.0266**	**38,381.0055**

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	12.0091	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100	0.0000	68.1959	68.1959	0.0649	0.0000	69.8193
Energy	0.1332	1.1425	0.5170	7.2600e-003		0.0920	0.0920		0.0920	0.0920		1,452.8245	1,452.8245	0.0279	0.0266	1,461.4579
Mobile	4.6725	30.1254	53.2193	0.2775	30.1183	0.1392	30.2575	8.0552	0.1294	8.1845		28,550.7144	28,550.7144	1.1607		28,579.7319
Total	**16.8147**	**31.7033**	**91.4761**	**0.2868**	**30.1183**	**0.4412**	**30.5595**	**8.0552**	**0.4314**	**8.4866**	**0.0000**	**30,071.7348**	**30,071.7348**	**1.2535**	**0.0266**	**30,111.0091**

	ROG	NOx	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	**3.45**	**8.58**	**12.62**	**21.94**	**24.25**	**7.99**	**24.06**	**24.25**	**7.63**	**23.55**	**0.00**	**21.56**	**21.56**	**17.85**	**0.00**	**21.55**

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	9/5/2033	11/25/2033	5	60	
2	Site Preparation	Site Preparation	11/26/2033	1/6/2034	5	30	
3	Grading	Grading	1/7/2034	5/12/2034	5	90	
4	Building Construction	Building Construction	5/13/2034	6/20/2036	5	550	
5	Paving	Paving	6/21/2036	8/8/2036	5	35	
6	Architectural Coating	Architectural Coating	6/1/2035	6/20/2036	5	276	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.46

Residential Indoor: 930,352; Residential Outdoor: 310,117; Non-Residential Indoor: 68,916; Non-Residential Outdoor: 22,972; Striped Parking Area: 3,816 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 6) - South Coast AQMD Air District, 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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	360.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	377.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					1.2994	0.0000	1.2994	0.1967	0.0000	0.1967			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**1.2994**	**0.3511**	**1.6504**	**0.1967**	**0.3511**	**0.5478**		**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

3.2 Demolition - 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	0.0272	0.8088	0.3218	4.0900e-003	0.1049	1.4800e-003	0.1063	0.0287	1.4200e-003	0.0302		446.9840	446.9840	0.0295		447.7216
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	0.0343	0.0157	0.2272	1.0900e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		108.5075	108.5075	1.4200e-003		108.5431
Total	**0.0615**	**0.8245**	**0.5489**	**5.1800e-003**	**0.2725**	**2.1500e-003**	**0.2747**	**0.0732**	**2.0400e-003**	**0.0752**		**555.4914**	**555.4914**	**0.0309**		**556.2647**

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					0.5847	0.0000	0.5847	0.0885	0.0000	0.0885			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**0.5847**	**0.3511**	**0.9358**	**0.0885**	**0.3511**	**0.4396**	**0.0000**	**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

3.2 Demolition - 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	0.0272	0.8088	0.3218	4.0900e-003	0.1049	1.4800e-003	0.1063	0.0287	1.4200e-003	0.0302		446.9840	446.9840	0.0295		447.7216
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	0.0343	0.0157	0.2272	1.0900e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		108.5075	108.5075	1.4200e-003		108.5431
Total	**0.0615**	**0.8245**	**0.5489**	**5.1800e-003**	**0.2725**	**2.1500e-003**	**0.2747**	**0.0732**	**2.0400e-003**	**0.0752**		**555.4914**	**555.4914**	**0.0309**		**556.2647**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0412	0.0188	0.2726	1.3000e-003	0.2012	8.1000e-004	0.2020	0.0534	7.4000e-004	0.0541		130.2090	130.2090	1.7100e-003		130.2517
Total	**0.0412**	**0.0188**	**0.2726**	**1.3000e-003**	**0.2012**	**8.1000e-004**	**0.2020**	**0.0534**	**7.4000e-004**	**0.0541**		**130.2090**	**130.2090**	**1.7100e-003**		**130.2517**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**8.1298**	**0.4367**	**8.5665**	**4.4688**	**0.4367**	**4.9055**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0412	0.0188	0.2726	1.3000e-003	0.2012	8.1000e-004	0.2020	0.0534	7.4000e-004	0.0541		130.2090	130.2090	1.7100e-003		130.2517
Total	**0.0412**	**0.0188**	**0.2726**	**1.3000e-003**	**0.2012**	**8.1000e-004**	**0.2020**	**0.0534**	**7.4000e-004**	**0.0541**		**130.2090**	**130.2090**	**1.7100e-003**		**130.2517**

3.3 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0387	0.0175	0.2575	1.2800e-003	0.2012	7.6000e-004	0.2020	0.0534	7.0000e-004	0.0541		128.1298	128.1298	1.5700e-003		128.1690
Total	**0.0387**	**0.0175**	**0.2575**	**1.2800e-003**	**0.2012**	**7.6000e-004**	**0.2020**	**0.0534**	**7.0000e-004**	**0.0541**		**128.1298**	**128.1298**	**1.5700e-003**		**128.1690**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**8.1298**	**0.4367**	**8.5665**	**4.4688**	**0.4367**	**4.9055**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

3.3 Site Preparation - 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	0.0387	0.0175	0.2575	1.2800e-003	0.2012	7.6000e-004	0.2020	0.0534	7.0000e-004	0.0541		128.1298	128.1298	1.5700e-003		128.1690
Total	**0.0387**	**0.0175**	**0.2575**	**1.2800e-003**	**0.2012**	**7.6000e-004**	**0.2020**	**0.0534**	**7.0000e-004**	**0.0541**		**128.1298**	**128.1298**	**1.5700e-003**		**128.1690**

3.4 Grading - 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					
Fugitive Dust					6.1399	0.0000	6.1399	3.3230	0.0000	3.3230			0.0000			0.0000
Off-Road	1.6179	7.7501	14.4518	0.0363		0.2340	0.2340		0.2340	0.2340		3,439.7201	3,439.7201	0.1437		3,443.3117
Total	**1.6179**	**7.7501**	**14.4518**	**0.0363**	**6.1399**	**0.2340**	**6.3739**	**3.3230**	**0.2340**	**3.5570**		**3,439.7201**	**3,439.7201**	**0.1437**		**3,443.3117**

3.4 Grading - 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	0.0323	0.0146	0.2146	1.0700e-003	0.1677	6.3000e-004	0.1683	0.0445	5.8000e-004	0.0451		106.7748	106.7748	1.3100e-003		106.8075
Total	**0.0323**	**0.0146**	**0.2146**	**1.0700e-003**	**0.1677**	**6.3000e-004**	**0.1683**	**0.0445**	**5.8000e-004**	**0.0451**		**106.7748**	**106.7748**	**1.3100e-003**		**106.8075**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7630	0.0000	2.7630	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	1.6179	7.7501	14.4518	0.0363		0.2340	0.2340		0.2340	0.2340	0.0000	3,439.7201	3,439.7201	0.1437		3,443.3117
Total	**1.6179**	**7.7501**	**14.4518**	**0.0363**	**2.7630**	**0.2340**	**2.9970**	**1.4953**	**0.2340**	**1.7293**	**0.0000**	**3,439.7201**	**3,439.7201**	**0.1437**		**3,443.3117**

3.4 Grading - 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	0.0323	0.0146	0.2146	1.0700e-003	0.1677	6.3000e-004	0.1683	0.0445	5.8000e-004	0.0451		106.7748	106.7748	1.3100e-003		106.8075
Total	**0.0323**	**0.0146**	**0.2146**	**1.0700e-003**	**0.1677**	**6.3000e-004**	**0.1683**	**0.0445**	**5.8000e-004**	**0.0451**		**106.7748**	**106.7748**	**1.3100e-003**		**106.8075**

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	0.1201	4.3612	1.2666	0.0158	0.4416	4.6300e-003	0.4463	0.1271	4.4300e-003	0.1316		1,693.4219	1,693.4219	0.0876		1,695.6119
Worker	0.8112	0.3670	5.3930	0.0269	4.2140	0.0158	4.2298	1.1176	0.0146	1.1321		2,683.6064	2,683.6064	0.0329		2,684.4290
Total	**0.9313**	**4.7282**	**6.6596**	**0.0426**	**4.6556**	**0.0205**	**4.6761**	**1.2447**	**0.0190**	**1.2637**		**4,377.0283**	**4,377.0283**	**0.1205**		**4,380.0409**

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	0.1201	4.3612	1.2666	0.0158	0.4416	4.6300e-003	0.4463	0.1271	4.4300e-003	0.1316		1,693.4219	1,693.4219	0.0876		1,695.6119
Worker	0.8112	0.3670	5.3930	0.0269	4.2140	0.0158	4.2298	1.1176	0.0146	1.1321		2,683.6064	2,683.6064	0.0329		2,684.4290
Total	**0.9313**	**4.7282**	**6.6596**	**0.0426**	**4.6556**	**0.0205**	**4.6761**	**1.2447**	**0.0190**	**1.2637**		**4,377.0283**	**4,377.0283**	**0.1205**		**4,380.0409**

3.5 Building Construction - 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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 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	0.1196	4.3427	1.2628	0.0158	0.4416	4.5800e-003	0.4462	0.1271	4.3800e-003	0.1315		1,691.8279	1,691.8279	0.0870		1,694.0037
Worker	0.7689	0.3469	5.1321	0.0265	4.2140	0.0148	4.2288	1.1176	0.0137	1.1312		2,646.3201	2,646.3201	0.0305		2,647.0836
Total	**0.8884**	**4.6895**	**6.3949**	**0.0422**	**4.6556**	**0.0194**	**4.6750**	**1.2447**	**0.0180**	**1.2627**		**4,338.1479**	**4,338.1479**	**0.1176**		**4,341.0872**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 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	0.1196	4.3427	1.2628	0.0158	0.4416	4.5800e-003	0.4462	0.1271	4.3800e-003	0.1315		1,691.8279	1,691.8279	0.0870		1,694.0037
Worker	0.7689	0.3469	5.1321	0.0265	4.2140	0.0148	4.2288	1.1176	0.0137	1.1312		2,646.3201	2,646.3201	0.0305		2,647.0836
Total	**0.8884**	**4.6895**	**6.3949**	**0.0422**	**4.6556**	**0.0194**	**4.6750**	**1.2447**	**0.0180**	**1.2627**		**4,338.1479**	**4,338.1479**	**0.1176**		**4,341.0872**

3.5 Building Construction - 2036

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2036

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	0.1196	4.3427	1.2628	0.0158	0.4416	4.5800e-003	0.4462	0.1271	4.3800e-003	0.1315		1,691.8279	1,691.8279	0.0870		1,694.0037
Worker	0.7689	0.3469	5.1321	0.0265	4.2140	0.0148	4.2288	1.1176	0.0137	1.1312		2,646.3201	2,646.3201	0.0305		2,647.0836
Total	**0.8884**	**4.6895**	**6.3949**	**0.0422**	**4.6556**	**0.0194**	**4.6750**	**1.2447**	**0.0180**	**1.2627**		**4,338.1479**	**4,338.1479**	**0.1176**		**4,341.0872**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2036

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	0.1196	4.3427	1.2628	0.0158	0.4416	4.5800e-003	0.4462	0.1271	4.3800e-003	0.1315		1,691.8279	1,691.8279	0.0870		1,694.0037
Worker	0.7689	0.3469	5.1321	0.0265	4.2140	0.0148	4.2288	1.1176	0.0137	1.1312		2,646.3201	2,646.3201	0.0305		2,647.0836
Total	**0.8884**	**4.6895**	**6.3949**	**0.0422**	**4.6556**	**0.0194**	**4.6750**	**1.2447**	**0.0180**	**1.2627**		**4,338.1479**	**4,338.1479**	**0.1176**		**4,341.0872**

3.6 Paving - 2036

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	0.1093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2498**	**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 - 2036

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

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	0.1093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2498**	**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 - 2036

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

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	11.2515					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	**11.3694**	**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	0.1530	0.0690	1.0210	5.2700e-003	0.8383	2.9500e-003	0.8413	0.2223	2.7200e-003	0.2250		526.4562	526.4562	6.0800e-003		526.6081
Total	**0.1530**	**0.0690**	**1.0210**	**5.2700e-003**	**0.8383**	**2.9500e-003**	**0.8413**	**0.2223**	**2.7200e-003**	**0.2250**		**526.4562**	**526.4562**	**6.0800e-003**		**526.6081**

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	11.2515					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	**11.3694**	**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	0.1530	0.0690	1.0210	5.2700e-003	0.8383	2.9500e-003	0.8413	0.2223	2.7200e-003	0.2250		526.4562	526.4562	6.0800e-003		526.6081
Total	**0.1530**	**0.0690**	**1.0210**	**5.2700e-003**	**0.8383**	**2.9500e-003**	**0.8413**	**0.2223**	**2.7200e-003**	**0.2250**		**526.4562**	**526.4562**	**6.0800e-003**		**526.6081**

3.7 Architectural Coating - 2036

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	11.2515					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	**11.3694**	**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 - 2036

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	0.1530	0.0690	1.0210	5.2700e-003	0.8383	2.9500e-003	0.8413	0.2223	2.7200e-003	0.2250		526.4562	526.4562	6.0800e-003		526.6081
Total	**0.1530**	**0.0690**	**1.0210**	**5.2700e-003**	**0.8383**	**2.9500e-003**	**0.8413**	**0.2223**	**2.7200e-003**	**0.2250**		**526.4562**	**526.4562**	**6.0800e-003**		**526.6081**

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	11.2515					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	**11.3694**	**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 - 2036

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	0.1530	0.0690	1.0210	5.2700e-003	0.8383	2.9500e-003	0.8413	0.2223	2.7200e-003	0.2250		526.4562	526.4562	6.0800e-003		526.6081
Total	**0.1530**	**0.0690**	**1.0210**	**5.2700e-003**	**0.8383**	**2.9500e-003**	**0.8413**	**0.2223**	**2.7200e-003**	**0.2250**		**526.4562**	**526.4562**	**6.0800e-003**		**526.6081**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.6725	30.1254	53.2193	0.2775	30.1183	0.1392	30.2575	8.0552	0.1294	8.1845		28,550.7144	28,550.7144	1.1607		28,579.7319
Unmitigated	5.2738	33.1006	66.4291	0.3581	39.7623	0.1775	39.9398	10.6345	0.1650	10.7994		36,813.8997	36,813.8997	1.4331		36,849.7283

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,496.96	2,933.01	2689.74	8,834,116	6,691,489
City Park	0.00	0.00	0.00		
General Office Building	1,925.97	56.51	24.12	4,468,854	3,384,978
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	867.19	1,147.91	579.81	1,873,545	1,419,135
Total	5,290.13	4,137.43	3,293.67	15,176,515	11,495,603

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
City Park	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
General Office Building	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
Other Asphalt Surfaces	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
Regional Shopping Center	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1332	1.1425	0.5170	7.2600e-003		0.0920	0.0920		0.0920	0.0920		1,452.8245	1,452.8245	0.0279	0.0266	1,461.4579
NaturalGas Unmitigated	0.1332	1.1425	0.5170	7.2600e-003		0.0920	0.0920		0.0920	0.0920		1,452.8245	1,452.8245	0.0279	0.0266	1,461.4579

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	11590.6	0.1250	1.0682	0.4545	6.8200e-003		0.0864	0.0864		0.0864	0.0864		1,363.6021	1,363.6021	0.0261	0.0250	1,371.7053
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
General Office Building	655.174	7.0700e-003	0.0642	0.0540	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003		77.0793	77.0793	1.4800e-003	1.4100e-003	77.5373
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	103.217	1.1100e-003	0.0101	8.5000e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004		12.1431	12.1431	2.3000e-004	2.2000e-004	12.2153
Total		**0.1332**	**1.1425**	**0.5170**	**7.2700e-003**		**0.0920**	**0.0920**		**0.0920**	**0.0920**		**1,452.8245**	**1,452.8245**	**0.0279**	**0.0266**	**1,461.4579**

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	11.5906	0.1250	1.0682	0.4545	6.8200e-003		0.0864	0.0864		0.0864	0.0864		1,363.6021	1,363.6021	0.0261	0.0250	1,371.7053
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
General Office Building	0.655174	7.0700e-003	0.0642	0.0540	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003		77.0793	77.0793	1.4800e-003	1.4100e-003	77.5373
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.103217	1.1100e-003	0.0101	8.5000e-003	6.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004		12.1431	12.1431	2.3000e-004	2.2000e-004	12.2153
Total		**0.1332**	**1.1425**	**0.5170**	**7.2700e-003**		**0.0920**	**0.0920**		**0.0920**	**0.0920**		**1,452.8245**	**1,452.8245**	**0.0279**	**0.0266**	**1,461.4579**

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	12.0091	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100	0.0000	68.1959	68.1959	0.0649	0.0000	69.8193
Unmitigated	12.0091	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100	0.0000	68.1959	68.1959	0.0649	0.0000	69.8193

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0296					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	1.1287	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100		68.1959	68.1959	0.0649		69.8193
Total	**12.0091**	**0.4354**	**37.7398**	**2.0000e-003**		**0.2100**	**0.2100**		**0.2100**	**0.2100**	**0.0000**	**68.1959**	**68.1959**	**0.0649**	**0.0000**	**69.8193**

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	0.8508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0296					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	1.1287	0.4354	37.7398	2.0000e-003		0.2100	0.2100		0.2100	0.2100		68.1959	68.1959	0.0649		69.8193
Total	**12.0091**	**0.4354**	**37.7398**	**2.0000e-003**		**0.2100**	**0.2100**		**0.2100**	**0.2100**	**0.0000**	**68.1959**	**68.1959**	**0.0649**	**0.0000**	**69.8193**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 6)

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	22.97	1000sqft	0.00	22,972.00	0
Other Asphalt Surfaces	1.46	Acre	1.46	63,597.60	0
City Park	0.26	Acre	0.26	11,325.60	0
Apartments Mid Rise	459.00	Dwelling Unit	5.13	459,433.00	1313
Regional Shopping Center	22.97	1000sqft	1.55	22,972.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 6) - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	230.00	550.00
tblConstructionPhase	NumDays	20.00	276.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	9/30/2033	11/25/2033
tblConstructionPhase	PhaseEndDate	10/14/2033	1/6/2034
tblConstructionPhase	PhaseEndDate	11/11/2033	5/12/2034

tblConstructionPhase	PhaseEndDate	9/29/2034	6/20/2036
tblConstructionPhase	PhaseEndDate	11/24/2034	6/20/2036
tblConstructionPhase	PhaseEndDate	10/27/2034	8/8/2036
tblConstructionPhase	PhaseStartDate	10/1/2033	11/26/2033
tblConstructionPhase	PhaseStartDate	10/15/2033	1/7/2034
tblConstructionPhase	PhaseStartDate	11/12/2033	5/13/2034
tblConstructionPhase	PhaseStartDate	10/28/2034	6/1/2035
tblConstructionPhase	PhaseStartDate	9/30/2034	6/21/2036
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	45.90	0.00
tblFireplaces	NumberWood	22.95	0.00
tblGrading	AcresOfGrading	45.00	10.00
tblLandUse	LandUseSquareFeet	459,000.00	459,433.00
tblLandUse	LotAcreage	0.53	0.00
tblLandUse	LotAcreage	12.08	5.13
tblLandUse	LotAcreage	0.53	1.55
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	22.95	0.00
tblWoodstoves	NumberNoncatalytic	22.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2033	0.0949	0.4896	0.7912	2.1400e-003	0.2753	0.0161	0.2914	0.1329	0.0161	0.1489	0.0000	185.9714	185.9714	8.3500e-003	0.0000	186.1801
2034	0.2574	1.4343	2.5947	7.9300e-003	0.7065	0.0256	0.7320	0.2774	0.0254	0.3029	0.0000	705.2152	705.2152	0.0240	0.0000	705.8150
2035	1.1375	1.6189	3.1704	0.0103	0.6591	0.0153	0.6744	0.1763	0.0151	0.1914	0.0000	921.7699	921.7699	0.0276	0.0000	922.4602
2036	0.8607	0.8762	1.8606	5.6100e-003	0.3373	0.0109	0.3482	0.0902	0.0108	0.1010	0.0000	500.9981	500.9981	0.0152	0.0000	501.3769
Maximum	**1.1375**	**1.6189**	**3.1704**	**0.0103**	**0.7065**	**0.0256**	**0.7320**	**0.2774**	**0.0254**	**0.3029**	**0.0000**	**921.7699**	**921.7699**	**0.0276**	**0.0000**	**922.4602**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2033	0.0949	0.4896	0.7911	2.1400e-003	0.1297	0.0161	0.1457	0.0613	0.0161	0.0774	0.0000	185.9712	185.9712	8.3500e-003	0.0000	186.1799
2034	0.2574	1.4343	2.5947	7.9300e-003	0.5297	0.0256	0.5552	0.1815	0.0254	0.2070	0.0000	705.2148	705.2148	0.0240	0.0000	705.8146
2035	1.1375	1.6189	3.1704	0.0103	0.6591	0.0153	0.6744	0.1763	0.0151	0.1914	0.0000	921.7695	921.7695	0.0276	0.0000	922.4598
2036	0.8607	0.8762	1.8606	5.6100e-003	0.3373	0.0109	0.3482	0.0902	0.0108	0.1010	0.0000	500.9978	500.9978	0.0152	0.0000	501.3766
Maximum	**1.1375**	**1.6189**	**3.1704**	**0.0103**	**0.6591**	**0.0256**	**0.6744**	**0.1815**	**0.0254**	**0.2070**	**0.0000**	**921.7695**	**921.7695**	**0.0276**	**0.0000**	**922.4598**

	ROG	NOx	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**	**16.30**	**0.00**	**15.76**	**24.73**	**0.00**	**22.50**	**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	**9-5-2033**	**12-4-2033**	0.4249	0.4249
2	**12-5-2033**	**3-4-2034**	0.3822	0.3822
3	**3-5-2034**	**6-4-2034**	0.3536	0.3536
4	**6-5-2034**	**9-4-2034**	0.4865	0.4865
5	**9-5-2034**	**12-4-2034**	0.4835	0.4835
6	**12-5-2034**	**3-4-2035**	0.4577	0.4577
7	**3-5-2035**	**6-4-2035**	0.4741	0.4741
8	**6-5-2035**	**9-4-2035**	0.8606	0.8606

9	**9-5-2035**	**12-4-2035**	0.8539	0.8539
10	**12-5-2035**	**3-4-2036**	0.8549	0.8549
11	**3-5-2036**	**6-4-2036**	0.8617	0.8617
12	**6-5-2036**	**9-4-2036**	0.2576	0.2576
		Highest	0.8617	0.8617

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	2.1268	0.0544	4.7175	2.5000e-004		0.0263	0.0263		0.0263	0.0263	0.0000	7.7333	7.7333	7.3600e-003	0.0000	7.9174
Energy	0.0243	0.2085	0.0944	1.3300e-003		0.0168	0.0168		0.0168	0.0168	0.0000	1,013.5723	1,013.5723	0.0365	0.0110	1,017.7672
Mobile	0.7608	4.9409	9.9400	0.0536	5.7655	0.0261	5.7916	1.5443	0.0243	1.5686	0.0000	5,002.8809	5,002.8809	0.1897	0.0000	5,007.6245
Waste						0.0000	0.0000		0.0000	0.0000	52.0956	0.0000	52.0956	3.0788	0.0000	129.0647
Water						0.0000	0.0000		0.0000	0.0000	11.3227	228.4534	239.7761	1.1724	0.0294	277.8501
Total	**2.9119**	**5.2039**	**14.7518**	**0.0552**	**5.7655**	**0.0692**	**5.8347**	**1.5443**	**0.0673**	**1.6117**	**63.4183**	**6,252.6399**	**6,316.0582**	**4.4848**	**0.0404**	**6,440.2239**

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	2.1268	0.0544	4.7175	2.5000e-004		0.0263	0.0263		0.0263	0.0263	0.0000	7.7333	7.7333	7.3600e-003	0.0000	7.9174
Energy	0.0243	0.2085	0.0944	1.3300e-003		0.0168	0.0168		0.0168	0.0168	0.0000	1,013.5723	1,013.5723	0.0365	0.0110	1,017.7672
Mobile	0.6716	4.4931	7.9348	0.0416	4.3671	0.0205	4.3876	1.1698	0.0190	1.1888	0.0000	3,884.1109	3,884.1109	0.1531	0.0000	3,887.9392
Waste						0.0000	0.0000		0.0000	0.0000	52.0956	0.0000	52.0956	3.0788	0.0000	129.0647
Water						0.0000	0.0000		0.0000	0.0000	9.0582	198.8398	207.8979	0.9386	0.0237	238.4146
Total	**2.8226**	**4.7561**	**12.7466**	**0.0432**	**4.3671**	**0.0635**	**4.4307**	**1.1698**	**0.0621**	**1.2318**	**61.1538**	**5,104.2562**	**5,165.4100**	**4.2143**	**0.0347**	**5,281.1031**

	ROG	NOx	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	**3.07**	**8.61**	**13.59**	**21.79**	**24.25**	**8.17**	**24.06**	**24.25**	**7.81**	**23.57**	**3.57**	**18.37**	**18.22**	**6.03**	**14.20**	**18.00**

3.0 Construction Detail

Construction Phase

Compton Hub City Specific Plan (Phase 6) - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/5/2033	11/25/2033	5	60	
2	Site Preparation	Site Preparation	11/26/2033	1/6/2034	5	30	
3	Grading	Grading	1/7/2034	5/12/2034	5	90	
4	Building Construction	Building Construction	5/13/2034	6/20/2036	5	550	
5	Paving	Paving	6/21/2036	8/8/2036	5	35	
6	Architectural Coating	Architectural Coating	6/1/2035	6/20/2036	5	276	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.46

Residential Indoor: 930,352; Residential Outdoor: 310,117; Non-Residential Indoor: 68,916; Non-Residential Outdoor: 22,972; Striped Parking Area: 3,816 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 6) - South Coast AQMD Air District, 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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	360.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	377.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	75.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0390	0.0000	0.0390	5.9000e-003	0.0000	5.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.2933	0.5675	1.3900e-003		0.0105	0.0105		0.0105	0.0105	0.0000	119.1655	119.1655	5.0300e-003	0.0000	119.2912
Total	**0.0622**	**0.2933**	**0.5675**	**1.3900e-003**	**0.0390**	**0.0105**	**0.0495**	**5.9000e-003**	**0.0105**	**0.0164**	**0.0000**	**119.1655**	**119.1655**	**5.0300e-003**	**0.0000**	**119.2912**

3.2 Demolition - 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	8.0000e-004	0.0247	9.4300e-003	1.2000e-004	3.0900e-003	4.0000e-005	3.1400e-003	8.5000e-004	4.0000e-005	8.9000e-004	0.0000	12.2932	12.2932	7.9000e-004	0.0000	12.3130
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2000e-004	4.8000e-004	7.0400e-003	3.0000e-005	4.9400e-003	2.0000e-005	4.9600e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	3.0047	3.0047	4.0000e-005	0.0000	3.0057
Total	**1.7200e-003**	**0.0252**	**0.0165**	**1.5000e-004**	**8.0300e-003**	**6.0000e-005**	**8.1000e-003**	**2.1600e-003**	**6.0000e-005**	**2.2200e-003**	**0.0000**	**15.2979**	**15.2979**	**8.3000e-004**	**0.0000**	**15.3186**

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					0.0175	0.0000	0.0175	2.6600e-003	0.0000	2.6600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.2933	0.5675	1.3900e-003		0.0105	0.0105		0.0105	0.0105	0.0000	119.1653	119.1653	5.0300e-003	0.0000	119.2910
Total	**0.0622**	**0.2933**	**0.5675**	**1.3900e-003**	**0.0175**	**0.0105**	**0.0281**	**2.6600e-003**	**0.0105**	**0.0132**	**0.0000**	**119.1653**	**119.1653**	**5.0300e-003**	**0.0000**	**119.2910**

3.2 Demolition - 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	8.0000e-004	0.0247	9.4300e-003	1.2000e-004	3.0900e-003	4.0000e-005	3.1400e-003	8.5000e-004	4.0000e-005	8.9000e-004	0.0000	12.2932	12.2932	7.9000e-004	0.0000	12.3130
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2000e-004	4.8000e-004	7.0400e-003	3.0000e-005	4.9400e-003	2.0000e-005	4.9600e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	3.0047	3.0047	4.0000e-005	0.0000	3.0057
Total	**1.7200e-003**	**0.0252**	**0.0165**	**1.5000e-004**	**8.0300e-003**	**6.0000e-005**	**8.1000e-003**	**2.1600e-003**	**6.0000e-005**	**2.2200e-003**	**0.0000**	**15.2979**	**15.2979**	**8.3000e-004**	**0.0000**	**15.3186**

3.3 Site Preparation - 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					
Fugitive Dust					0.2258	0.0000	0.2258	0.1241	0.0000	0.1241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0305	0.1709	0.2037	5.8000e-004		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	50.0058	50.0058	2.4700e-003	0.0000	50.0675
Total	**0.0305**	**0.1709**	**0.2037**	**5.8000e-004**	**0.2258**	**5.4600e-003**	**0.2313**	**0.1241**	**5.4600e-003**	**0.1296**	**0.0000**	**50.0058**	**50.0058**	**2.4700e-003**	**0.0000**	**50.0675**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	4.6000e-004	2.4000e-004	3.5200e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.6000e-004	0.0000	1.5023	1.5023	2.0000e-005	0.0000	1.5028
Total	**4.6000e-004**	**2.4000e-004**	**3.5200e-003**	**2.0000e-005**	**2.4700e-003**	**1.0000e-005**	**2.4800e-003**	**6.6000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**1.5023**	**1.5023**	**2.0000e-005**	**0.0000**	**1.5028**

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					0.1016	0.0000	0.1016	0.0559	0.0000	0.0559	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0305	0.1709	0.2037	5.8000e-004		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	50.0057	50.0057	2.4700e-003	0.0000	50.0674
Total	**0.0305**	**0.1709**	**0.2037**	**5.8000e-004**	**0.1016**	**5.4600e-003**	**0.1071**	**0.0559**	**5.4600e-003**	**0.0613**	**0.0000**	**50.0057**	**50.0057**	**2.4700e-003**	**0.0000**	**50.0674**

3.3 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	4.6000e-004	2.4000e-004	3.5200e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.6000e-004	0.0000	1.5023	1.5023	2.0000e-005	0.0000	1.5028
Total	**4.6000e-004**	**2.4000e-004**	**3.5200e-003**	**2.0000e-005**	**2.4700e-003**	**1.0000e-005**	**2.4800e-003**	**6.6000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**1.5023**	**1.5023**	**2.0000e-005**	**0.0000**	**1.5028**

3.3 Site Preparation - 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					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-003	0.0342	0.0407	1.2000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	10.0012	10.0012	4.9000e-004	0.0000	10.0135
Total	**6.1000e-003**	**0.0342**	**0.0407**	**1.2000e-004**	**0.0452**	**1.0900e-003**	**0.0463**	**0.0248**	**1.0900e-003**	**0.0259**	**0.0000**	**10.0012**	**10.0012**	**4.9000e-004**	**0.0000**	**10.0135**

3.3 Site Preparation - 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	9.0000e-005	5.0000e-005	6.7000e-004	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.2957	0.2957	0.0000	0.0000	0.2958
Total	**9.0000e-005**	**5.0000e-005**	**6.7000e-004**	**0.0000**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.2957**	**0.2957**	**0.0000**	**0.0000**	**0.2958**

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					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-003	0.0342	0.0407	1.2000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	10.0011	10.0011	4.9000e-004	0.0000	10.0135
Total	**6.1000e-003**	**0.0342**	**0.0407**	**1.2000e-004**	**0.0203**	**1.0900e-003**	**0.0214**	**0.0112**	**1.0900e-003**	**0.0123**	**0.0000**	**10.0011**	**10.0011**	**4.9000e-004**	**0.0000**	**10.0135**

3.3 Site Preparation - 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	9.0000e-005	5.0000e-005	6.7000e-004	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.2957	0.2957	0.0000	0.0000	0.2958
Total	**9.0000e-005**	**5.0000e-005**	**6.7000e-004**	**0.0000**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.2957**	**0.2957**	**0.0000**	**0.0000**	**0.2958**

3.4 Grading - 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					
Fugitive Dust					0.2763	0.0000	0.2763	0.1495	0.0000	0.1495	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0728	0.3488	0.6503	1.6300e-003		0.0105	0.0105		0.0105	0.0105	0.0000	140.4208	140.4208	5.8600e-003	0.0000	140.5674
Total	**0.0728**	**0.3488**	**0.6503**	**1.6300e-003**	**0.2763**	**0.0105**	**0.2868**	**0.1495**	**0.0105**	**0.1601**	**0.0000**	**140.4208**	**140.4208**	**5.8600e-003**	**0.0000**	**140.5674**

3.4 Grading - 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	1.2900e-003	6.8000e-004	9.9900e-003	5.0000e-005	7.4100e-003	3.0000e-005	7.4300e-003	1.9700e-003	3.0000e-005	1.9900e-003	0.0000	4.4352	4.4352	5.0000e-005	0.0000	4.4366
Total	**1.2900e-003**	**6.8000e-004**	**9.9900e-003**	**5.0000e-005**	**7.4100e-003**	**3.0000e-005**	**7.4300e-003**	**1.9700e-003**	**3.0000e-005**	**1.9900e-003**	**0.0000**	**4.4352**	**4.4352**	**5.0000e-005**	**0.0000**	**4.4366**

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					0.1243	0.0000	0.1243	0.0673	0.0000	0.0673	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0728	0.3488	0.6503	1.6300e-003		0.0105	0.0105		0.0105	0.0105	0.0000	140.4206	140.4206	5.8600e-003	0.0000	140.5672
Total	**0.0728**	**0.3488**	**0.6503**	**1.6300e-003**	**0.1243**	**0.0105**	**0.1349**	**0.0673**	**0.0105**	**0.0778**	**0.0000**	**140.4206**	**140.4206**	**5.8600e-003**	**0.0000**	**140.5672**

3.4 Grading - 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	1.2900e-003	6.8000e-004	9.9900e-003	5.0000e-005	7.4100e-003	3.0000e-005	7.4300e-003	1.9700e-003	3.0000e-005	1.9900e-003	0.0000	4.4352	4.4352	5.0000e-005	0.0000	4.4366
Total	**1.2900e-003**	**6.8000e-004**	**9.9900e-003**	**5.0000e-005**	**7.4100e-003**	**3.0000e-005**	**7.4300e-003**	**1.9700e-003**	**3.0000e-005**	**1.9900e-003**	**0.0000**	**4.4352**	**4.4352**	**5.0000e-005**	**0.0000**	**4.4366**

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	0.1080	0.6546	1.3330	2.5500e-003		0.0122	0.0122		0.0122	0.0122	0.0000	216.8603	216.8603	8.7000e-003	0.0000	217.0778
Total	**0.1080**	**0.6546**	**1.3330**	**2.5500e-003**		**0.0122**	**0.0122**		**0.0122**	**0.0122**	**0.0000**	**216.8603**	**216.8603**	**8.7000e-003**	**0.0000**	**217.0778**

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	9.6300e-003	0.3649	0.0999	1.3200e-003	0.0359	3.8000e-004	0.0363	0.0104	3.6000e-004	0.0107	0.0000	128.8383	128.8383	6.3600e-003	0.0000	128.9974
Worker	0.0595	0.0312	0.4601	2.2600e-003	0.3412	1.3100e-003	0.3425	0.0906	1.2000e-003	0.0918	0.0000	204.3638	204.3638	2.5100e-003	0.0000	204.4266
Total	**0.0691**	**0.3961**	**0.5600**	**3.5800e-003**	**0.3771**	**1.6900e-003**	**0.3788**	**0.1010**	**1.5600e-003**	**0.1026**	**0.0000**	**333.2021**	**333.2021**	**8.8700e-003**	**0.0000**	**333.4239**

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	0.1080	0.6546	1.3330	2.5500e-003		0.0122	0.0122		0.0122	0.0122	0.0000	216.8601	216.8601	8.7000e-003	0.0000	217.0776
Total	**0.1080**	**0.6546**	**1.3330**	**2.5500e-003**		**0.0122**	**0.0122**		**0.0122**	**0.0122**	**0.0000**	**216.8601**	**216.8601**	**8.7000e-003**	**0.0000**	**217.0776**

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	9.6300e-003	0.3649	0.0999	1.3200e-003	0.0359	3.8000e-004	0.0363	0.0104	3.6000e-004	0.0107	0.0000	128.8383	128.8383	6.3600e-003	0.0000	128.9974
Worker	0.0595	0.0312	0.4601	2.2600e-003	0.3412	1.3100e-003	0.3425	0.0906	1.2000e-003	0.0918	0.0000	204.3638	204.3638	2.5100e-003	0.0000	204.4266
Total	**0.0691**	**0.3961**	**0.5600**	**3.5800e-003**	**0.3771**	**1.6900e-003**	**0.3788**	**0.1010**	**1.5600e-003**	**0.1026**	**0.0000**	**333.2021**	**333.2021**	**8.8700e-003**	**0.0000**	**333.4239**

3.5 Building Construction - 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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	**0.1588**	**0.9346**	**2.1034**	**4.0400e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**343.0336**	**343.0336**	**0.0128**	**0.0000**	**343.3530**

3.5 Building Construction - 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	0.0152	0.5747	0.1575	2.0900e-003	0.0568	5.9000e-004	0.0574	0.0164	5.7000e-004	0.0169	0.0000	203.6142	203.6142	0.0100	0.0000	203.8642
Worker	0.0892	0.0467	0.6929	3.5200e-003	0.5398	1.9400e-003	0.5417	0.1434	1.7800e-003	0.1451	0.0000	318.7840	318.7840	3.6900e-003	0.0000	318.8762
Total	**0.1043**	**0.6213**	**0.8504**	**5.6100e-003**	**0.5965**	**2.5300e-003**	**0.5991**	**0.1597**	**2.3500e-003**	**0.1621**	**0.0000**	**522.3982**	**522.3982**	**0.0137**	**0.0000**	**522.7404**

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	**0.1588**	**0.9346**	**2.1034**	**4.0400e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**343.0332**	**343.0332**	**0.0128**	**0.0000**	**343.3526**

3.5 Building Construction - 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	0.0152	0.5747	0.1575	2.0900e-003	0.0568	5.9000e-004	0.0574	0.0164	5.7000e-004	0.0169	0.0000	203.6142	203.6142	0.0100	0.0000	203.8642
Worker	0.0892	0.0467	0.6929	3.5200e-003	0.5398	1.9400e-003	0.5417	0.1434	1.7800e-003	0.1451	0.0000	318.7840	318.7840	3.6900e-003	0.0000	318.8762
Total	**0.1043**	**0.6213**	**0.8504**	**5.6100e-003**	**0.5965**	**2.5300e-003**	**0.5991**	**0.1597**	**2.3500e-003**	**0.1621**	**0.0000**	**522.3982**	**522.3982**	**0.0137**	**0.0000**	**522.7404**

3.5 Building Construction - 2036

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	0.0754	0.4440	0.9993	1.9200e-003		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	162.9738	162.9738	6.0700e-003	0.0000	163.1256
Total	**0.0754**	**0.4440**	**0.9993**	**1.9200e-003**		**5.6100e-003**	**5.6100e-003**		**5.6100e-003**	**5.6100e-003**	**0.0000**	**162.9738**	**162.9738**	**6.0700e-003**	**0.0000**	**163.1256**

3.5 Building Construction - 2036

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	7.2100e-003	0.2730	0.0748	9.9000e-004	0.0270	2.8000e-004	0.0273	7.7800e-003	2.7000e-004	8.0500e-003	0.0000	96.7363	96.7363	4.7500e-003	0.0000	96.8550
Worker	0.0424	0.0222	0.3292	1.6700e-003	0.2564	9.2000e-004	0.2574	0.0681	8.5000e-004	0.0690	0.0000	151.4529	151.4529	1.7500e-003	0.0000	151.4967
Total	**0.0496**	**0.2952**	**0.4040**	**2.6600e-003**	**0.2834**	**1.2000e-003**	**0.2846**	**0.0759**	**1.1200e-003**	**0.0770**	**0.0000**	**248.1892**	**248.1892**	**6.5000e-003**	**0.0000**	**248.3518**

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	0.0754	0.4440	0.9993	1.9200e-003		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	162.9736	162.9736	6.0700e-003	0.0000	163.1254
Total	**0.0754**	**0.4440**	**0.9993**	**1.9200e-003**		**5.6100e-003**	**5.6100e-003**		**5.6100e-003**	**5.6100e-003**	**0.0000**	**162.9736**	**162.9736**	**6.0700e-003**	**0.0000**	**163.1254**

3.5 Building Construction - 2036

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	7.2100e-003	0.2730	0.0748	9.9000e-004	0.0270	2.8000e-004	0.0273	7.7800e-003	2.7000e-004	8.0500e-003	0.0000	96.7363	96.7363	4.7500e-003	0.0000	96.8550
Worker	0.0424	0.0222	0.3292	1.6700e-003	0.2564	9.2000e-004	0.2574	0.0681	8.5000e-004	0.0690	0.0000	151.4529	151.4529	1.7500e-003	0.0000	151.4967
Total	**0.0496**	**0.2952**	**0.4040**	**2.6600e-003**	**0.2834**	**1.2000e-003**	**0.2846**	**0.0759**	**1.1200e-003**	**0.0770**	**0.0000**	**248.1892**	**248.1892**	**6.5000e-003**	**0.0000**	**248.3518**

3.6 Paving - 2036

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	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1742	42.1742	1.6200e-003	0.0000	42.2147
Paving	1.9100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0219**	**0.0853**	**0.2769**	**4.9000e-004**		**3.2800e-003**	**3.2800e-003**		**3.2800e-003**	**3.2800e-003**	**0.0000**	**42.1742**	**42.1742**	**1.6200e-003**	**0.0000**	**42.2147**

3.6 Paving - 2036

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	4.8000e-004	2.5000e-004	3.7000e-003	2.0000e-005	2.8800e-003	1.0000e-005	2.8900e-003	7.6000e-004	1.0000e-005	7.7000e-004	0.0000	1.7009	1.7009	2.0000e-005	0.0000	1.7014
Total	**4.8000e-004**	**2.5000e-004**	**3.7000e-003**	**2.0000e-005**	**2.8800e-003**	**1.0000e-005**	**2.8900e-003**	**7.6000e-004**	**1.0000e-005**	**7.7000e-004**	**0.0000**	**1.7009**	**1.7009**	**2.0000e-005**	**0.0000**	**1.7014**

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	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1741	42.1741	1.6200e-003	0.0000	42.2147
Paving	1.9100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0219**	**0.0853**	**0.2769**	**4.9000e-004**		**3.2800e-003**	**3.2800e-003**		**3.2800e-003**	**3.2800e-003**	**0.0000**	**42.1741**	**42.1741**	**1.6200e-003**	**0.0000**	**42.2147**

3.6 Paving - 2036

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	4.8000e-004	2.5000e-004	3.7000e-003	2.0000e-005	2.8800e-003	1.0000e-005	2.8900e-003	7.6000e-004	1.0000e-005	7.7000e-004	0.0000	1.7009	1.7009	2.0000e-005	0.0000	1.7014
Total	**4.8000e-004**	**2.5000e-004**	**3.7000e-003**	**2.0000e-005**	**2.8800e-003**	**1.0000e-005**	**2.8900e-003**	**7.6000e-004**	**1.0000e-005**	**7.7000e-004**	**0.0000**	**1.7009**	**1.7009**	**2.0000e-005**	**0.0000**	**1.7014**

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	0.8551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9600e-003	0.0576	0.1364	2.3000e-004		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	19.4047	19.4047	7.2000e-004	0.0000	19.4227
Total	**0.8641**	**0.0576**	**0.1364**	**2.3000e-004**		**7.5000e-004**	**7.5000e-004**		**7.5000e-004**	**7.5000e-004**	**0.0000**	**19.4047**	**19.4047**	**7.2000e-004**	**0.0000**	**19.4227**

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	0.0103	5.4000e-003	0.0803	4.1000e-004	0.0625	2.2000e-004	0.0628	0.0166	2.1000e-004	0.0168	0.0000	36.9334	36.9334	4.3000e-004	0.0000	36.9441
Total	**0.0103**	**5.4000e-003**	**0.0803**	**4.1000e-004**	**0.0625**	**2.2000e-004**	**0.0628**	**0.0166**	**2.1000e-004**	**0.0168**	**0.0000**	**36.9334**	**36.9334**	**4.3000e-004**	**0.0000**	**36.9441**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8551					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9600e-003	0.0576	0.1364	2.3000e-004		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	19.4047	19.4047	7.2000e-004	0.0000	19.4226
Total	**0.8641**	**0.0576**	**0.1364**	**2.3000e-004**		**7.5000e-004**	**7.5000e-004**		**7.5000e-004**	**7.5000e-004**	**0.0000**	**19.4047**	**19.4047**	**7.2000e-004**	**0.0000**	**19.4226**

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	0.0103	5.4000e-003	0.0803	4.1000e-004	0.0625	2.2000e-004	0.0628	0.0166	2.1000e-004	0.0168	0.0000	36.9334	36.9334	4.3000e-004	0.0000	36.9441
Total	**0.0103**	**5.4000e-003**	**0.0803**	**4.1000e-004**	**0.0625**	**2.2000e-004**	**0.0628**	**0.0166**	**2.1000e-004**	**0.0168**	**0.0000**	**36.9334**	**36.9334**	**4.3000e-004**	**0.0000**	**36.9441**

3.7 Architectural Coating - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3100e-003	0.0470	0.1113	1.8000e-004		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	15.8302	15.8302	5.8000e-004	0.0000	15.8448
Total	**0.7049**	**0.0470**	**0.1113**	**1.8000e-004**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**15.8302**	**15.8302**	**5.8000e-004**	**0.0000**	**15.8448**

3.7 Architectural Coating - 2036

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	8.4300e-003	4.4100e-003	0.0655	3.3000e-004	0.0510	1.8000e-004	0.0512	0.0136	1.7000e-004	0.0137	0.0000	30.1299	30.1299	3.5000e-004	0.0000	30.1386
Total	**8.4300e-003**	**4.4100e-003**	**0.0655**	**3.3000e-004**	**0.0510**	**1.8000e-004**	**0.0512**	**0.0136**	**1.7000e-004**	**0.0137**	**0.0000**	**30.1299**	**30.1299**	**3.5000e-004**	**0.0000**	**30.1386**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3100e-003	0.0470	0.1113	1.8000e-004		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	15.8302	15.8302	5.8000e-004	0.0000	15.8448
Total	**0.7049**	**0.0470**	**0.1113**	**1.8000e-004**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**15.8302**	**15.8302**	**5.8000e-004**	**0.0000**	**15.8448**

3.7 Architectural Coating - 2036

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	8.4300e-003	4.4100e-003	0.0655	3.3000e-004	0.0510	1.8000e-004	0.0512	0.0136	1.7000e-004	0.0137	0.0000	30.1299	30.1299	3.5000e-004	0.0000	30.1386
Total	**8.4300e-003**	**4.4100e-003**	**0.0655**	**3.3000e-004**	**0.0510**	**1.8000e-004**	**0.0512**	**0.0136**	**1.7000e-004**	**0.0137**	**0.0000**	**30.1299**	**30.1299**	**3.5000e-004**	**0.0000**	**30.1386**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6716	4.4931	7.9348	0.0416	4.3671	0.0205	4.3876	1.1698	0.0190	1.1888	0.0000	3,884.1109	3,884.1109	0.1531	0.0000	3,887.9392
Unmitigated	0.7608	4.9409	9.9400	0.0536	5.7655	0.0261	5.7916	1.5443	0.0243	1.5686	0.0000	5,002.8809	5,002.8809	0.1897	0.0000	5,007.6245

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,496.96	2,933.01	2689.74	8,834,116	6,691,489
City Park	0.00	0.00	0.00		
General Office Building	1,925.97	56.51	24.12	4,468,854	3,384,978
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	867.19	1,147.91	579.81	1,873,545	1,419,135
Total	5,290.13	4,137.43	3,293.67	15,176,515	11,495,603

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
City Park	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
General Office Building	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
Other Asphalt Surfaces	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730
Regional Shopping Center	0.551603	0.041085	0.206475	0.110641	0.012172	0.005739	0.022664	0.039599	0.002222	0.001434	0.004920	0.000715	0.000730

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	773.0409	773.0409	0.0319	6.6000e-003	775.8065
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	773.0409	773.0409	0.0319	6.6000e-003	775.8065
NaturalGas Mitigated	0.0243	0.2085	0.0944	1.3300e-003		0.0168	0.0168		0.0168	0.0168	0.0000	240.5314	240.5314	4.6100e-003	4.4100e-003	241.9608
NaturalGas Unmitigated	0.0243	0.2085	0.0944	1.3300e-003		0.0168	0.0168		0.0168	0.0168	0.0000	240.5314	240.5314	4.6100e-003	4.4100e-003	241.9608

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	4.23058e+006	0.0228	0.1949	0.0830	1.2400e-003		0.0158	0.0158		0.0158	0.0158	0.0000	225.7596	225.7596	4.3300e-003	4.1400e-003	227.1012
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
General Office Building	239139	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7613	12.7613	2.4000e-004	2.3000e-004	12.8372
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	37674.1	2.0000e-004	1.8500e-003	1.5500e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.0104	2.0104	4.0000e-005	4.0000e-005	2.0224
Total		**0.0243**	**0.2085**	**0.0944**	**1.3200e-003**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**240.5314**	**240.5314**	**4.6100e-003**	**4.4100e-003**	**241.9608**

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	4.23058e+006	0.0228	0.1949	0.0830	1.2400e-003		0.0158	0.0158		0.0158	0.0158	0.0000	225.7596	225.7596	4.3300e-003	4.1400e-003	227.1012
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
General Office Building	239139	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7613	12.7613	2.4000e-004	2.3000e-004	12.8372
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	37674.1	2.0000e-004	1.8500e-003	1.5500e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.0104	2.0104	4.0000e-005	4.0000e-005	2.0224
Total		**0.0243**	**0.2085**	**0.0944**	**1.3200e-003**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**240.5314**	**240.5314**	**4.6100e-003**	**4.4100e-003**	**241.9608**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.81768e+006	579.1508	0.0239	4.9500e-003	581.2227
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	298406	95.0786	3.9300e-003	8.1000e-004	95.4188
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	310122	98.8115	4.0800e-003	8.4000e-004	99.1650
Total		**773.0409**	**0.0319**	**6.6000e-003**	**775.8065**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.81768e+006	579.1508	0.0239	4.9500e-003	581.2227
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	298406	95.0786	3.9300e-003	8.1000e-004	95.4188
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	310122	98.8115	4.0800e-003	8.4000e-004	99.1650
Total		**773.0409**	**0.0319**	**6.6000e-003**	**775.8065**

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	2.1268	0.0544	4.7175	2.5000e-004		0.0263	0.0263		0.0263	0.0263	0.0000	7.7333	7.7333	7.3600e-003	0.0000	7.9174
Unmitigated	2.1268	0.0544	4.7175	2.5000e-004		0.0263	0.0263		0.0263	0.0263	0.0000	7.7333	7.7333	7.3600e-003	0.0000	7.9174

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8304					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	0.1411	0.0544	4.7175	2.5000e-004		0.0263	0.0263		0.0263	0.0263	0.0000	7.7333	7.7333	7.3600e-003	0.0000	7.9174
Total	**2.1268**	**0.0544**	**4.7175**	**2.5000e-004**		**0.0263**	**0.0263**		**0.0263**	**0.0263**	**0.0000**	**7.7333**	**7.7333**	**7.3600e-003**	**0.0000**	**7.9174**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8304					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	0.1411	0.0544	4.7175	2.5000e-004		0.0263	0.0263		0.0263	0.0263	0.0000	7.7333	7.7333	7.3600e-003	0.0000	7.9174
Total	**2.1268**	**0.0544**	**4.7175**	**2.5000e-004**		**0.0263**	**0.0263**		**0.0263**	**0.0263**	**0.0000**	**7.7333**	**7.7333**	**7.3600e-003**	**0.0000**	**7.9174**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	207.8979	0.9386	0.0237	238.4146
Unmitigated	239.7761	1.1724	0.0294	277.8501

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	29.9057 / 18.8536	200.2991	0.9824	0.0246	232.2005
City Park	0 / 0.309785	1.0966	5.0000e-005	1.0000e-005	1.1005
General Office Building	4.08254 / 2.5022	27.0903	0.1341	3.3600e-003	31.4443
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.70145 / 1.04282	11.2902	0.0559	1.4000e-003	13.1048
Total		**239.7761**	**1.1724**	**0.0294**	**277.8501**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	23.9246 / 18.8536	173.5872	0.7864	0.0198	199.1561
City Park	0 / 0.309785	1.0966	5.0000e-005	1.0000e-005	1.1005
General Office Building	3.26604 / 2.5022	23.4437	0.1074	2.7000e-003	26.9333
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.36116 / 1.04282	9.7704	0.0447	1.1300e-003	11.2248
Total		**207.8979**	**0.9386**	**0.0237**	**238.4147**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.0956	3.0788	0.0000	129.0647
Unmitigated	52.0956	3.0788	0.0000	129.0647

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	211.14	42.8595	2.5329	0.0000	106.1826
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
General Office Building	21.36	4.3359	0.2562	0.0000	10.7420
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	24.12	4.8961	0.2894	0.0000	12.1300
Total		**52.0956**	**3.0788**	**0.0000**	**129.0647**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	211.14	42.8595	2.5329	0.0000	106.1826
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
General Office Building	21.36	4.3359	0.2562	0.0000	10.7420
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	24.12	4.8961	0.2894	0.0000	12.1300
Total		**52.0956**	**3.0788**	**0.0000**	**129.0647**

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

Compton Hub City Specific Plan (Phase 7)

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.52	1000sqft	0.00	29,522.00	0
Other Asphalt Surfaces	1.77	Acre	1.77	77,101.20	0
City Park	0.84	Acre	0.84	36,590.40	0
Apartments Mid Rise	590.00	Dwelling Unit	7.19	590,449.00	1687
Regional Shopping Center	29.52	1000sqft	0.00	29,522.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 7) - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	230.00	550.00
tblConstructionPhase	NumDays	20.00	269.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	9/5/2036	10/31/2036
tblConstructionPhase	PhaseEndDate	9/19/2036	12/26/2036
tblConstructionPhase	PhaseEndDate	10/17/2036	5/1/2037

tblConstructionPhase	PhaseEndDate	9/4/2037	6/10/2039
tblConstructionPhase	PhaseEndDate	10/30/2037	6/10/2039
tblConstructionPhase	PhaseEndDate	10/2/2037	7/29/2039
tblConstructionPhase	PhaseStartDate	9/6/2036	11/1/2036
tblConstructionPhase	PhaseStartDate	9/20/2036	12/27/2036
tblConstructionPhase	PhaseStartDate	10/18/2036	5/2/2037
tblConstructionPhase	PhaseStartDate	10/3/2037	6/1/2038
tblConstructionPhase	PhaseStartDate	9/5/2037	6/11/2039
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	59.00	0.00
tblFireplaces	NumberWood	29.50	0.00
tblGrading	AcresOfGrading	45.00	10.00
tblLandUse	LandUseSquareFeet	590,000.00	590,449.00
tblLandUse	LotAcreage	0.68	0.00
tblLandUse	LotAcreage	15.53	7.19
tblLandUse	LotAcreage	0.68	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	29.50	0.00
tblWoodstoves	NumberNoncatalytic	29.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2036	2.1809	10.1552	19.5211	0.0552	18.2675	0.2918	18.5593	9.9840	0.2918	10.2758	0.0000	5,347.2054	5,347.2054	0.2150	0.0000	5,352.5813
2037	2.2562	13.3431	25.2395	0.0893	6.3076	0.1563	6.4638	3.3674	0.1562	3.5236	0.0000	8,884.2669	8,884.2669	0.2599	0.0000	8,890.7644
2038	17.3831	14.1838	28.5521	0.0996	7.1661	0.1295	7.2955	1.9137	0.1273	2.0410	0.0000	9,902.5412	9,902.5412	0.2789	0.0000	9,909.5146
2039	17.3831	14.1838	28.5521	0.0996	7.1661	0.1880	7.2955	1.9137	0.1879	2.0410	0.0000	9,902.5412	9,902.5412	0.2789	0.0000	9,909.5146
Maximum	**17.3831**	**14.1838**	**28.5521**	**0.0996**	**18.2675**	**0.2918**	**18.5593**	**9.9840**	**0.2918**	**10.2758**	**0.0000**	**9,902.5412**	**9,902.5412**	**0.2789**	**0.0000**	**9,909.5146**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2036	2.1809	10.1552	19.5211	0.0552	8.3310	0.2918	8.6228	4.5222	0.2918	4.8139	0.0000	5,347.2054	5,347.2054	0.2150	0.0000	5,352.5813
2037	2.2562	13.3431	25.2395	0.0893	6.0706	0.1563	6.1864	1.6232	0.1562	1.7371	0.0000	8,884.2669	8,884.2669	0.2599	0.0000	8,890.7644
2038	17.3831	14.1838	28.5521	0.0996	7.1661	0.1295	7.2955	1.9137	0.1273	2.0410	0.0000	9,902.5412	9,902.5412	0.2789	0.0000	9,909.5146
2039	17.3831	14.1838	28.5521	0.0996	7.1661	0.1880	7.2955	1.9137	0.1879	2.0410	0.0000	9,902.5412	9,902.5412	0.2789	0.0000	9,909.5146
Maximum	**17.3831**	**14.1838**	**28.5521**	**0.0996**	**8.3310**	**0.2918**	**8.6228**	**4.5222**	**0.2918**	**4.8139**	**0.0000**	**9,902.5412**	**9,902.5412**	**0.2789**	**0.0000**	**9,909.5146**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**26.15**	**0.00**	**25.78**	**41.95**	**0.00**	**40.54**	**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	15.4323	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700	0.0000	87.6594	87.6594	0.0835	0.0000	89.7458
Energy	0.1712	1.4686	0.6645	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,867.4407	1,867.4407	0.0358	0.0342	1,878.5379
Mobile	6.3512	42.5483	82.2518	0.4767	51.1236	0.1873	51.3109	13.6744	0.1743	13.8487		49,049.8303	49,049.8303	1.7326		49,093.1461
Total	**21.9546**	**44.5763**	**131.3845**	**0.4886**	**51.1236**	**0.5755**	**51.6991**	**13.6744**	**0.5625**	**14.2369**	**0.0000**	**51,004.9303**	**51,004.9303**	**1.8519**	**0.0342**	**51,061.4299**

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	15.4323	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700	0.0000	87.6594	87.6594	0.0835	0.0000	89.7458
Energy	0.1712	1.4686	0.6645	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,867.4407	1,867.4407	0.0358	0.0342	1,878.5379
Mobile	5.6079	39.1057	65.0868	0.3704	38.7241	0.1465	38.8705	10.3578	0.1363	10.4941		38,147.6768	38,147.6768	1.3973		38,182.6089
Total	**21.2114**	**41.1337**	**114.2195**	**0.3823**	**38.7241**	**0.5347**	**39.2588**	**10.3578**	**0.5245**	**10.8823**	**0.0000**	**40,102.7769**	**40,102.7769**	**1.5165**	**0.0342**	**40,150.8927**

	ROG	NOx	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	**3.39**	**7.72**	**13.06**	**21.76**	**24.25**	**7.09**	**24.06**	**24.25**	**6.76**	**23.56**	**0.00**	**21.37**	**21.37**	**18.11**	**0.00**	**21.37**

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	8/11/2036	10/31/2036	5	60	
2	Site Preparation	Site Preparation	11/1/2036	12/26/2036	5	40	
3	Grading	Grading	12/27/2036	5/1/2037	5	90	
4	Building Construction	Building Construction	5/2/2037	6/10/2039	5	550	
5	Paving	Paving	6/11/2039	7/29/2039	5	35	
6	Architectural Coating	Architectural Coating	6/1/2038	6/10/2039	5	269	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.77

Residential Indoor: 1,195,659; Residential Outdoor: 398,553; Non-Residential Indoor: 88,566; Non-Residential Outdoor: 29,522; Striped Parking Area: 4,626 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 7) - South Coast AQMD Air District, 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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	679.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	491.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2036

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					2.4508	0.0000	2.4508	0.3711	0.0000	0.3711			0.0000			0.0000
Off-Road	1.8311	6.9070	18.7067	0.0462		0.2267	0.2267		0.2267	0.2267		4,378.5819	4,378.5819	0.1599		4,382.5795
Total	**1.8311**	**6.9070**	**18.7067**	**0.0462**	**2.4508**	**0.2267**	**2.6775**	**0.3711**	**0.2267**	**0.5978**		**4,378.5819**	**4,378.5819**	**0.1599**		**4,382.5795**

3.2 Demolition - 2036

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	0.0496	1.4981	0.5820	7.8300e-003	0.1978	2.7100e-003	0.2005	0.0542	2.5900e-003	0.0568		855.8440	855.8440	0.0538		857.1892
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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0768**	**1.5108**	**0.8144**	**8.9600e-003**	**0.3654**	**3.3000e-003**	**0.3687**	**0.0987**	**3.1300e-003**	**0.1018**		**968.6235**	**968.6235**	**0.0551**		**970.0018**

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					1.1029	0.0000	1.1029	0.1670	0.0000	0.1670			0.0000			0.0000
Off-Road	1.8311	6.9070	18.7067	0.0462		0.2267	0.2267		0.2267	0.2267	0.0000	4,378.5819	4,378.5819	0.1599		4,382.5795
Total	**1.8311**	**6.9070**	**18.7067**	**0.0462**	**1.1029**	**0.2267**	**1.3296**	**0.1670**	**0.2267**	**0.3937**	**0.0000**	**4,378.5819**	**4,378.5819**	**0.1599**		**4,382.5795**

3.2 Demolition - 2036

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	0.0496	1.4981	0.5820	7.8300e-003	0.1978	2.7100e-003	0.2005	0.0542	2.5900e-003	0.0568		855.8440	855.8440	0.0538		857.1892
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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0768**	**1.5108**	**0.8144**	**8.9600e-003**	**0.3654**	**3.3000e-003**	**0.3687**	**0.0987**	**3.1300e-003**	**0.1018**		**968.6235**	**968.6235**	**0.0551**		**970.0018**

3.3 Site Preparation - 2036

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	2.1483	10.1399	15.9731	0.0466		0.2911	0.2911		0.2911	0.2911		4,409.7537	4,409.7537	0.1889		4,414.4768
Total	**2.1483**	**10.1399**	**15.9731**	**0.0466**	**18.0663**	**0.2911**	**18.3574**	**9.9307**	**0.2911**	**10.2218**		**4,409.7537**	**4,409.7537**	**0.1889**		**4,414.4768**

3.3 Site Preparation - 2036

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	0.0326	0.0152	0.2789	1.3600e-003	0.2012	7.1000e-004	0.2019	0.0534	6.5000e-004	0.0540		135.3354	135.3354	1.5900e-003		135.3751
Total	**0.0326**	**0.0152**	**0.2789**	**1.3600e-003**	**0.2012**	**7.1000e-004**	**0.2019**	**0.0534**	**6.5000e-004**	**0.0540**		**135.3354**	**135.3354**	**1.5900e-003**		**135.3751**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.1483	10.1399	15.9731	0.0466		0.2911	0.2911		0.2911	0.2911	0.0000	4,409.7537	4,409.7537	0.1889		4,414.4768
Total	**2.1483**	**10.1399**	**15.9731**	**0.0466**	**8.1298**	**0.2911**	**8.4209**	**4.4688**	**0.2911**	**4.7599**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.1889**		**4,414.4768**

3.3 Site Preparation - 2036

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	0.0326	0.0152	0.2789	1.3600e-003	0.2012	7.1000e-004	0.2019	0.0534	6.5000e-004	0.0540		135.3354	135.3354	1.5900e-003		135.3751
Total	**0.0326**	**0.0152**	**0.2789**	**1.3600e-003**	**0.2012**	**7.1000e-004**	**0.2019**	**0.0534**	**6.5000e-004**	**0.0540**		**135.3354**	**135.3354**	**1.5900e-003**		**135.3751**

3.4 Grading - 2036

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					6.1399	0.0000	6.1399	3.3230	0.0000	3.3230			0.0000			0.0000
Off-Road	1.4619	5.9823	14.3296	0.0363		0.1557	0.1557		0.1557	0.1557		3,439.7201	3,439.7201	0.1282		3,442.9259
Total	**1.4619**	**5.9823**	**14.3296**	**0.0363**	**6.1399**	**0.1557**	**6.2956**	**3.3230**	**0.1557**	**3.4786**		**3,439.7201**	**3,439.7201**	**0.1282**		**3,442.9259**

3.4 Grading - 2036

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7630	0.0000	2.7630	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	1.4619	5.9823	14.3296	0.0363		0.1557	0.1557		0.1557	0.1557	0.0000	3,439.7201	3,439.7201	0.1282		3,442.9259
Total	**1.4619**	**5.9823**	**14.3296**	**0.0363**	**2.7630**	**0.1557**	**2.9186**	**1.4953**	**0.1557**	**1.6510**	**0.0000**	**3,439.7201**	**3,439.7201**	**0.1282**		**3,442.9259**

3.4 Grading - 2036

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

3.4 Grading - 2037

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					6.1399	0.0000	6.1399	3.3230	0.0000	3.3230			0.0000			0.0000
Off-Road	1.4619	5.9823	14.3296	0.0363		0.1557	0.1557		0.1557	0.1557		3,439.7201	3,439.7201	0.1282		3,442.9259
Total	**1.4619**	**5.9823**	**14.3296**	**0.0363**	**6.1399**	**0.1557**	**6.2956**	**3.3230**	**0.1557**	**3.4786**		**3,439.7201**	**3,439.7201**	**0.1282**		**3,442.9259**

3.4 Grading - 2037

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7630	0.0000	2.7630	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	1.4619	5.9823	14.3296	0.0363		0.1557	0.1557		0.1557	0.1557	0.0000	3,439.7201	3,439.7201	0.1282		3,442.9259
Total	**1.4619**	**5.9823**	**14.3296**	**0.0363**	**2.7630**	**0.1557**	**2.9186**	**1.4953**	**0.1557**	**1.6510**	**0.0000**	**3,439.7201**	**3,439.7201**	**0.1282**		**3,442.9259**

3.4 Grading - 2037

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

3.5 Building Construction - 2037

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2037

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	0.1500	5.7662	1.5146	0.0214	0.5824	5.9500e-003	0.5884	0.1677	5.6900e-003	0.1734		2,295.0701	2,295.0701	0.1087		2,297.7880
Worker	0.8894	0.4156	7.6071	0.0370	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,691.6500	3,691.6500	0.0433		3,692.7316
Total	**1.0393**	**6.1818**	**9.1217**	**0.0583**	**6.0706**	**0.0253**	**6.0959**	**1.6232**	**0.0235**	**1.6466**		**5,986.7201**	**5,986.7201**	**0.1520**		**5,990.5196**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2037

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	0.1500	5.7662	1.5146	0.0214	0.5824	5.9500e-003	0.5884	0.1677	5.6900e-003	0.1734		2,295.0701	2,295.0701	0.1087		2,297.7880
Worker	0.8894	0.4156	7.6071	0.0370	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,691.6500	3,691.6500	0.0433		3,692.7316
Total	**1.0393**	**6.1818**	**9.1217**	**0.0583**	**6.0706**	**0.0253**	**6.0959**	**1.6232**	**0.0235**	**1.6466**		**5,986.7201**	**5,986.7201**	**0.1520**		**5,990.5196**

3.5 Building Construction - 2038

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2038

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	0.1500	5.7662	1.5146	0.0214	0.5824	5.9500e-003	0.5884	0.1677	5.6900e-003	0.1734		2,295.0701	2,295.0701	0.1087		2,297.7880
Worker	0.8894	0.4156	7.6071	0.0370	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,691.6500	3,691.6500	0.0433		3,692.7316
Total	**1.0393**	**6.1818**	**9.1217**	**0.0583**	**6.0706**	**0.0253**	**6.0959**	**1.6232**	**0.0235**	**1.6466**		**5,986.7201**	**5,986.7201**	**0.1520**		**5,990.5196**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2038

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	0.1500	5.7662	1.5146	0.0214	0.5824	5.9500e-003	0.5884	0.1677	5.6900e-003	0.1734		2,295.0701	2,295.0701	0.1087		2,297.7880
Worker	0.8894	0.4156	7.6071	0.0370	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,691.6500	3,691.6500	0.0433		3,692.7316
Total	**1.0393**	**6.1818**	**9.1217**	**0.0583**	**6.0706**	**0.0253**	**6.0959**	**1.6232**	**0.0235**	**1.6466**		**5,986.7201**	**5,986.7201**	**0.1520**		**5,990.5196**

3.5 Building Construction - 2039

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2039

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	0.1500	5.7662	1.5146	0.0214	0.5824	5.9500e-003	0.5884	0.1677	5.6900e-003	0.1734		2,295.0701	2,295.0701	0.1087		2,297.7880
Worker	0.8894	0.4156	7.6071	0.0370	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,691.6500	3,691.6500	0.0433		3,692.7316
Total	**1.0393**	**6.1818**	**9.1217**	**0.0583**	**6.0706**	**0.0253**	**6.0959**	**1.6232**	**0.0235**	**1.6466**		**5,986.7201**	**5,986.7201**	**0.1520**		**5,990.5196**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2039

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	0.1500	5.7662	1.5146	0.0214	0.5824	5.9500e-003	0.5884	0.1677	5.6900e-003	0.1734		2,295.0701	2,295.0701	0.1087		2,297.7880
Worker	0.8894	0.4156	7.6071	0.0370	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,691.6500	3,691.6500	0.0433		3,692.7316
Total	**1.0393**	**6.1818**	**9.1217**	**0.0583**	**6.0706**	**0.0253**	**6.0959**	**1.6232**	**0.0235**	**1.6466**		**5,986.7201**	**5,986.7201**	**0.1520**		**5,990.5196**

3.6 Paving - 2039

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	0.1325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2730**	**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 - 2039

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

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	0.1325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2730**	**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 - 2039

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

3.7 Architectural Coating - 2038

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	14.8316					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	**14.9495**	**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 - 2038

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	0.1775	0.0830	1.5183	7.3800e-003	1.0954	3.8600e-003	1.0993	0.2905	3.5500e-003	0.2941		736.8263	736.8263	8.6300e-003		737.0422
Total	**0.1775**	**0.0830**	**1.5183**	**7.3800e-003**	**1.0954**	**3.8600e-003**	**1.0993**	**0.2905**	**3.5500e-003**	**0.2941**		**736.8263**	**736.8263**	**8.6300e-003**		**737.0422**

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	14.8316					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	**14.9495**	**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 - 2038

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	0.1775	0.0830	1.5183	7.3800e-003	1.0954	3.8600e-003	1.0993	0.2905	3.5500e-003	0.2941		736.8263	736.8263	8.6300e-003		737.0422
Total	**0.1775**	**0.0830**	**1.5183**	**7.3800e-003**	**1.0954**	**3.8600e-003**	**1.0993**	**0.2905**	**3.5500e-003**	**0.2941**		**736.8263**	**736.8263**	**8.6300e-003**		**737.0422**

3.7 Architectural Coating - 2039

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	14.8316					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	**14.9495**	**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 - 2039

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	0.1775	0.0830	1.5183	7.3800e-003	1.0954	3.8600e-003	1.0993	0.2905	3.5500e-003	0.2941		736.8263	736.8263	8.6300e-003		737.0422
Total	**0.1775**	**0.0830**	**1.5183**	**7.3800e-003**	**1.0954**	**3.8600e-003**	**1.0993**	**0.2905**	**3.5500e-003**	**0.2941**		**736.8263**	**736.8263**	**8.6300e-003**		**737.0422**

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	14.8316					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	**14.9495**	**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 - 2039

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	0.1775	0.0830	1.5183	7.3800e-003	1.0954	3.8600e-003	1.0993	0.2905	3.5500e-003	0.2941		736.8263	736.8263	8.6300e-003		737.0422
Total	**0.1775**	**0.0830**	**1.5183**	**7.3800e-003**	**1.0954**	**3.8600e-003**	**1.0993**	**0.2905**	**3.5500e-003**	**0.2941**		**736.8263**	**736.8263**	**8.6300e-003**		**737.0422**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6079	39.1057	65.0868	0.3704	38.7241	0.1465	38.8705	10.3578	0.1363	10.4941		38,147.6768	38,147.6768	1.3973		38,182.6089
Unmitigated	6.3512	42.5483	82.2518	0.4767	51.1236	0.1873	51.3109	13.6744	0.1743	13.8487		49,049.8303	49,049.8303	1.7326		49,093.1461

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,209.60	3,770.10	3457.40	11,355,400	8,601,261
City Park	0.00	0.00	0.00		
General Office Building	2,475.12	72.62	31.00	5,743,057	4,350,136
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,114.46	1,475.21	745.14	2,407,748	1,823,773
Total	6,799.18	5,317.94	4,233.53	19,506,205	14,775,170

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
City Park	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
General Office Building	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Other Asphalt Surfaces	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Regional Shopping Center	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1712	1.4686	0.6645	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,867.4407	1,867.4407	0.0358	0.0342	1,878.5379
NaturalGas Unmitigated	0.1712	1.4686	0.6645	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,867.4407	1,867.4407	0.0358	0.0342	1,878.5379

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	14898.6	0.1607	1.3730	0.5843	8.7600e-003		0.1110	0.1110		0.1110	0.1110		1,752.7783	1,752.7783	0.0336	0.0321	1,763.1942
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
General Office Building	841.984	9.0800e-003	0.0826	0.0693	5.0000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		99.0569	99.0569	1.9000e-003	1.8200e-003	99.6455
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	132.647	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6055	15.6055	3.0000e-004	2.9000e-004	15.6982
Total		**0.1712**	**1.4686**	**0.6645**	**9.3400e-003**		**0.1183**	**0.1183**		**0.1183**	**0.1183**		**1,867.4407**	**1,867.4407**	**0.0358**	**0.0342**	**1,878.5379**

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	14.8986	0.1607	1.3730	0.5843	8.7600e-003		0.1110	0.1110		0.1110	0.1110		1,752.7783	1,752.7783	0.0336	0.0321	1,763.1942
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
General Office Building	0.841984	9.0800e-003	0.0826	0.0693	5.0000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		99.0569	99.0569	1.9000e-003	1.8200e-003	99.6455
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.132647	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6055	15.6055	3.0000e-004	2.9000e-004	15.6982
Total		**0.1712**	**1.4686**	**0.6645**	**9.3400e-003**		**0.1183**	**0.1183**		**0.1183**	**0.1183**		**1,867.4407**	**1,867.4407**	**0.0358**	**0.0342**	**1,878.5379**

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	15.4323	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700	0.0000	87.6594	87.6594	0.0835	0.0000	89.7458
Unmitigated	15.4323	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700	0.0000	87.6594	87.6594	0.0835	0.0000	89.7458

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	1.0931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8892					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	1.4500	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700		87.6594	87.6594	0.0835		89.7458
Total	**15.4323**	**0.5594**	**48.4682**	**2.5700e-003**		**0.2700**	**0.2700**		**0.2700**	**0.2700**	**0.0000**	**87.6594**	**87.6594**	**0.0835**	**0.0000**	**89.7458**

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	1.0931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8892					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	1.4500	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700		87.6594	87.6594	0.0835		89.7458
Total	**15.4323**	**0.5594**	**48.4682**	**2.5700e-003**		**0.2700**	**0.2700**		**0.2700**	**0.2700**	**0.0000**	**87.6594**	**87.6594**	**0.0835**	**0.0000**	**89.7458**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 7)

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.52	1000sqft	0.00	29,522.00	0
Other Asphalt Surfaces	1.77	Acre	1.77	77,101.20	0
City Park	0.84	Acre	0.84	36,590.40	0
Apartments Mid Rise	590.00	Dwelling Unit	7.19	590,449.00	1687
Regional Shopping Center	29.52	1000sqft	0.00	29,522.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 7) - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	230.00	550.00
tblConstructionPhase	NumDays	20.00	269.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	9/5/2036	10/31/2036
tblConstructionPhase	PhaseEndDate	9/19/2036	12/26/2036
tblConstructionPhase	PhaseEndDate	10/17/2036	5/1/2037

tblConstructionPhase	PhaseEndDate	9/4/2037	6/10/2039
tblConstructionPhase	PhaseEndDate	10/30/2037	6/10/2039
tblConstructionPhase	PhaseEndDate	10/2/2037	7/29/2039
tblConstructionPhase	PhaseStartDate	9/6/2036	11/1/2036
tblConstructionPhase	PhaseStartDate	9/20/2036	12/27/2036
tblConstructionPhase	PhaseStartDate	10/18/2036	5/2/2037
tblConstructionPhase	PhaseStartDate	10/3/2037	6/1/2038
tblConstructionPhase	PhaseStartDate	9/5/2037	6/11/2039
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	59.00	0.00
tblFireplaces	NumberWood	29.50	0.00
tblGrading	AcresOfGrading	45.00	10.00
tblLandUse	LandUseSquareFeet	590,000.00	590,449.00
tblLandUse	LotAcreage	0.68	0.00
tblLandUse	LotAcreage	15.53	7.19
tblLandUse	LotAcreage	0.68	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	29.50	0.00
tblWoodstoves	NumberNoncatalytic	29.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2036	2.1851	10.1565	19.5192	0.0550	18.2675	0.2918	18.5593	9.9840	0.2918	10.2758	0.0000	5,324.3505	5,324.3505	0.2163	0.0000	5,329.7590
2037	2.3759	13.3404	24.4672	0.0862	6.3076	0.1563	6.4638	3.3674	0.1562	3.5236	0.0000	8,575.3316	8,575.3316	0.2625	0.0000	8,581.8934
2038	17.5252	14.1883	27.5955	0.0961	7.1661	0.1296	7.2956	1.9137	0.1274	2.0411	0.0000	9,544.6824	9,544.6824	0.2808	0.0000	9,551.7028
2039	17.5252	14.1883	27.5955	0.0961	7.1661	0.1880	7.2956	1.9137	0.1879	2.0411	0.0000	9,544.6824	9,544.6824	0.2808	0.0000	9,551.7028
Maximum	**17.5252**	**14.1883**	**27.5955**	**0.0961**	**18.2675**	**0.2918**	**18.5593**	**9.9840**	**0.2918**	**10.2758**	**0.0000**	**9,544.6824**	**9,544.6824**	**0.2808**	**0.0000**	**9,551.7028**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2036	2.1851	10.1565	19.5192	0.0550	8.3310	0.2918	8.6228	4.5222	0.2918	4.8139	0.0000	5,324.3505	5,324.3505	0.2163	0.0000	5,329.7589
2037	2.3759	13.3404	24.4672	0.0862	6.0706	0.1563	6.1864	1.6232	0.1562	1.7372	0.0000	8,575.3316	8,575.3316	0.2625	0.0000	8,581.8934
2038	17.5252	14.1883	27.5955	0.0961	7.1661	0.1296	7.2956	1.9137	0.1274	2.0411	0.0000	9,544.6824	9,544.6824	0.2808	0.0000	9,551.7028
2039	17.5252	14.1883	27.5955	0.0961	7.1661	0.1880	7.2956	1.9137	0.1879	2.0411	0.0000	9,544.6824	9,544.6824	0.2808	0.0000	9,551.7028
Maximum	**17.5252**	**14.1883**	**27.5955**	**0.0961**	**8.3310**	**0.2918**	**8.6228**	**4.5222**	**0.2918**	**4.8139**	**0.0000**	**9,544.6824**	**9,544.6824**	**0.2808**	**0.0000**	**9,551.7028**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**26.15**	**0.00**	**25.78**	**41.95**	**0.00**	**40.54**	**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	15.4323	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700	0.0000	87.6594	87.6594	0.0835	0.0000	89.7458
Energy	0.1712	1.4686	0.6645	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,867.4407	1,867.4407	0.0358	0.0342	1,878.5379
Mobile	6.0407	42.6732	77.0902	0.4522	51.1236	0.1878	51.3113	13.6744	0.1748	13.8492		46,572.2767	46,572.2767	1.7581		46,616.2290
Total	**21.6442**	**44.7011**	**126.2229**	**0.4642**	**51.1236**	**0.5760**	**51.6996**	**13.6744**	**0.5630**	**14.2374**	**0.0000**	**48,527.3768**	**48,527.3768**	**1.8773**	**0.0342**	**48,584.5128**

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	15.4323	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700	0.0000	87.6594	87.6594	0.0835	0.0000	89.7458
Energy	0.1712	1.4686	0.6645	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,867.4407	1,867.4407	0.0358	0.0342	1,878.5379
Mobile	5.3053	39.0429	61.6811	0.3509	38.7241	0.1470	38.8710	10.3578	0.1367	10.4946		36,161.9509	36,161.9509	1.4273		36,197.6338
Total	**20.9087**	**41.0709**	**110.8138**	**0.3628**	**38.7241**	**0.5352**	**39.2592**	**10.3578**	**0.5250**	**10.8828**	**0.0000**	**38,117.0510**	**38,117.0510**	**1.5466**	**0.0342**	**38,165.9176**

	ROG	NOx	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	**3.40**	**8.12**	**12.21**	**21.84**	**24.25**	**7.09**	**24.06**	**24.25**	**6.76**	**23.56**	**0.00**	**21.45**	**21.45**	**17.62**	**0.00**	**21.44**

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	8/11/2036	10/31/2036	5	60	
2	Site Preparation	Site Preparation	11/1/2036	12/26/2036	5	40	
3	Grading	Grading	12/27/2036	5/1/2037	5	90	
4	Building Construction	Building Construction	5/2/2037	6/10/2039	5	550	
5	Paving	Paving	6/11/2039	7/29/2039	5	35	
6	Architectural Coating	Architectural Coating	6/1/2038	6/10/2039	5	269	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.77

Residential Indoor: 1,195,659; Residential Outdoor: 398,553; Non-Residential Indoor: 88,566; Non-Residential Outdoor: 29,522; Striped Parking Area: 4,626 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 7) - South Coast AQMD Air District, 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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	679.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	491.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2036

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					2.4508	0.0000	2.4508	0.3711	0.0000	0.3711			0.0000			0.0000
Off-Road	1.8311	6.9070	18.7067	0.0462		0.2267	0.2267		0.2267	0.2267		4,378.5819	4,378.5819	0.1599		4,382.5795
Total	**1.8311**	**6.9070**	**18.7067**	**0.0462**	**2.4508**	**0.2267**	**2.6775**	**0.3711**	**0.2267**	**0.5978**		**4,378.5819**	**4,378.5819**	**0.1599**		**4,382.5795**

3.2 Demolition - 2036

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	0.0510	1.5035	0.6083	7.6900e-003	0.1978	2.7300e-003	0.2005	0.0542	2.6100e-003	0.0568		840.4773	840.4773	0.0552		841.8578
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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0815**	**1.5173**	**0.8125**	**8.7400e-003**	**0.3654**	**3.3200e-003**	**0.3688**	**0.0987**	**3.1500e-003**	**0.1018**		**945.7686**	**945.7686**	**0.0564**		**947.1795**

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					1.1029	0.0000	1.1029	0.1670	0.0000	0.1670			0.0000			0.0000
Off-Road	1.8311	6.9070	18.7067	0.0462		0.2267	0.2267		0.2267	0.2267	0.0000	4,378.5819	4,378.5819	0.1599		4,382.5795
Total	**1.8311**	**6.9070**	**18.7067**	**0.0462**	**1.1029**	**0.2267**	**1.3296**	**0.1670**	**0.2267**	**0.3937**	**0.0000**	**4,378.5819**	**4,378.5819**	**0.1599**		**4,382.5795**

3.2 Demolition - 2036

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	0.0510	1.5035	0.6083	7.6900e-003	0.1978	2.7300e-003	0.2005	0.0542	2.6100e-003	0.0568		840.4773	840.4773	0.0552		841.8578
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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0815**	**1.5173**	**0.8125**	**8.7400e-003**	**0.3654**	**3.3200e-003**	**0.3688**	**0.0987**	**3.1500e-003**	**0.1018**		**945.7686**	**945.7686**	**0.0564**		**947.1795**

3.3 Site Preparation - 2036

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	2.1483	10.1399	15.9731	0.0466		0.2911	0.2911		0.2911	0.2911		4,409.7537	4,409.7537	0.1889		4,414.4768
Total	**2.1483**	**10.1399**	**15.9731**	**0.0466**	**18.0663**	**0.2911**	**18.3574**	**9.9307**	**0.2911**	**10.2218**		**4,409.7537**	**4,409.7537**	**0.1889**		**4,414.4768**

3.3 Site Preparation - 2036

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	0.0367	0.0166	0.2450	1.2600e-003	0.2012	7.1000e-004	0.2019	0.0534	6.5000e-004	0.0540		126.3495	126.3495	1.4600e-003		126.3860
Total	**0.0367**	**0.0166**	**0.2450**	**1.2600e-003**	**0.2012**	**7.1000e-004**	**0.2019**	**0.0534**	**6.5000e-004**	**0.0540**		**126.3495**	**126.3495**	**1.4600e-003**		**126.3860**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.1483	10.1399	15.9731	0.0466		0.2911	0.2911		0.2911	0.2911	0.0000	4,409.7537	4,409.7537	0.1889		4,414.4768
Total	**2.1483**	**10.1399**	**15.9731**	**0.0466**	**8.1298**	**0.2911**	**8.4209**	**4.4688**	**0.2911**	**4.7599**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.1889**		**4,414.4768**

3.3 Site Preparation - 2036

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	0.0367	0.0166	0.2450	1.2600e-003	0.2012	7.1000e-004	0.2019	0.0534	6.5000e-004	0.0540		126.3495	126.3495	1.4600e-003		126.3860
Total	**0.0367**	**0.0166**	**0.2450**	**1.2600e-003**	**0.2012**	**7.1000e-004**	**0.2019**	**0.0534**	**6.5000e-004**	**0.0540**		**126.3495**	**126.3495**	**1.4600e-003**		**126.3860**

3.4 Grading - 2036

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					6.1399	0.0000	6.1399	3.3230	0.0000	3.3230			0.0000			0.0000
Off-Road	1.4619	5.9823	14.3296	0.0363		0.1557	0.1557		0.1557	0.1557		3,439.7201	3,439.7201	0.1282		3,442.9259
Total	**1.4619**	**5.9823**	**14.3296**	**0.0363**	**6.1399**	**0.1557**	**6.2956**	**3.3230**	**0.1557**	**3.4786**		**3,439.7201**	**3,439.7201**	**0.1282**		**3,442.9259**

3.4 Grading - 2036

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7630	0.0000	2.7630	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	1.4619	5.9823	14.3296	0.0363		0.1557	0.1557		0.1557	0.1557	0.0000	3,439.7201	3,439.7201	0.1282		3,442.9259
Total	**1.4619**	**5.9823**	**14.3296**	**0.0363**	**2.7630**	**0.1557**	**2.9186**	**1.4953**	**0.1557**	**1.6510**	**0.0000**	**3,439.7201**	**3,439.7201**	**0.1282**		**3,442.9259**

3.4 Grading - 2036

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

3.4 Grading - 2037

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					6.1399	0.0000	6.1399	3.3230	0.0000	3.3230			0.0000			0.0000
Off-Road	1.4619	5.9823	14.3296	0.0363		0.1557	0.1557		0.1557	0.1557		3,439.7201	3,439.7201	0.1282		3,442.9259
Total	**1.4619**	**5.9823**	**14.3296**	**0.0363**	**6.1399**	**0.1557**	**6.2956**	**3.3230**	**0.1557**	**3.4786**		**3,439.7201**	**3,439.7201**	**0.1282**		**3,442.9259**

3.4 Grading - 2037

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7630	0.0000	2.7630	1.4953	0.0000	1.4953			0.0000			0.0000
Off-Road	1.4619	5.9823	14.3296	0.0363		0.1557	0.1557		0.1557	0.1557	0.0000	3,439.7201	3,439.7201	0.1282		3,442.9259
Total	**1.4619**	**5.9823**	**14.3296**	**0.0363**	**2.7630**	**0.1557**	**2.9186**	**1.4953**	**0.1557**	**1.6510**	**0.0000**	**3,439.7201**	**3,439.7201**	**0.1282**		**3,442.9259**

3.4 Grading - 2037

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

3.5 Building Construction - 2037

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2037

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	0.1577	5.7273	1.6654	0.0208	0.5824	6.0500e-003	0.5885	0.1677	5.7800e-003	0.1735		2,231.2513	2,231.2513	0.1148		2,234.1208
Worker	1.0014	0.4518	6.6840	0.0345	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,446.5336	3,446.5336	0.0398		3,447.5279
Total	**1.1591**	**6.1790**	**8.3494**	**0.0553**	**6.0706**	**0.0254**	**6.0960**	**1.6232**	**0.0236**	**1.6467**		**5,677.7848**	**5,677.7848**	**0.1546**		**5,681.6487**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2037

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	0.1577	5.7273	1.6654	0.0208	0.5824	6.0500e-003	0.5885	0.1677	5.7800e-003	0.1735		2,231.2513	2,231.2513	0.1148		2,234.1208
Worker	1.0014	0.4518	6.6840	0.0345	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,446.5336	3,446.5336	0.0398		3,447.5279
Total	**1.1591**	**6.1790**	**8.3494**	**0.0553**	**6.0706**	**0.0254**	**6.0960**	**1.6232**	**0.0236**	**1.6467**		**5,677.7848**	**5,677.7848**	**0.1546**		**5,681.6487**

3.5 Building Construction - 2038

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2038

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	0.1577	5.7273	1.6654	0.0208	0.5824	6.0500e-003	0.5885	0.1677	5.7800e-003	0.1735		2,231.2513	2,231.2513	0.1148		2,234.1208
Worker	1.0014	0.4518	6.6840	0.0345	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,446.5336	3,446.5336	0.0398		3,447.5279
Total	**1.1591**	**6.1790**	**8.3494**	**0.0553**	**6.0706**	**0.0254**	**6.0960**	**1.6232**	**0.0236**	**1.6467**		**5,677.7848**	**5,677.7848**	**0.1546**		**5,681.6487**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2038

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	0.1577	5.7273	1.6654	0.0208	0.5824	6.0500e-003	0.5885	0.1677	5.7800e-003	0.1735		2,231.2513	2,231.2513	0.1148		2,234.1208
Worker	1.0014	0.4518	6.6840	0.0345	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,446.5336	3,446.5336	0.0398		3,447.5279
Total	**1.1591**	**6.1790**	**8.3494**	**0.0553**	**6.0706**	**0.0254**	**6.0960**	**1.6232**	**0.0236**	**1.6467**		**5,677.7848**	**5,677.7848**	**0.1546**		**5,681.6487**

3.5 Building Construction - 2039

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2039

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	0.1577	5.7273	1.6654	0.0208	0.5824	6.0500e-003	0.5885	0.1677	5.7800e-003	0.1735		2,231.2513	2,231.2513	0.1148		2,234.1208
Worker	1.0014	0.4518	6.6840	0.0345	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,446.5336	3,446.5336	0.0398		3,447.5279
Total	**1.1591**	**6.1790**	**8.3494**	**0.0553**	**6.0706**	**0.0254**	**6.0960**	**1.6232**	**0.0236**	**1.6467**		**5,677.7848**	**5,677.7848**	**0.1546**		**5,681.6487**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2039

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	0.1577	5.7273	1.6654	0.0208	0.5824	6.0500e-003	0.5885	0.1677	5.7800e-003	0.1735		2,231.2513	2,231.2513	0.1148		2,234.1208
Worker	1.0014	0.4518	6.6840	0.0345	5.4882	0.0193	5.5076	1.4555	0.0178	1.4733		3,446.5336	3,446.5336	0.0398		3,447.5279
Total	**1.1591**	**6.1790**	**8.3494**	**0.0553**	**6.0706**	**0.0254**	**6.0960**	**1.6232**	**0.0236**	**1.6467**		**5,677.7848**	**5,677.7848**	**0.1546**		**5,681.6487**

3.6 Paving - 2039

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	0.1325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2730**	**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 - 2039

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

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	0.1325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2730**	**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 - 2039

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

3.7 Architectural Coating - 2038

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	14.8316					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	**14.9495**	**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 - 2038

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	0.1999	0.0902	1.3341	6.8900e-003	1.0954	3.8600e-003	1.0993	0.2905	3.5500e-003	0.2941		687.9028	687.9028	7.9400e-003		688.1013
Total	**0.1999**	**0.0902**	**1.3341**	**6.8900e-003**	**1.0954**	**3.8600e-003**	**1.0993**	**0.2905**	**3.5500e-003**	**0.2941**		**687.9028**	**687.9028**	**7.9400e-003**		**688.1013**

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	14.8316					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	**14.9495**	**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 - 2038

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	0.1999	0.0902	1.3341	6.8900e-003	1.0954	3.8600e-003	1.0993	0.2905	3.5500e-003	0.2941		687.9028	687.9028	7.9400e-003		688.1013
Total	**0.1999**	**0.0902**	**1.3341**	**6.8900e-003**	**1.0954**	**3.8600e-003**	**1.0993**	**0.2905**	**3.5500e-003**	**0.2941**		**687.9028**	**687.9028**	**7.9400e-003**		**688.1013**

3.7 Architectural Coating - 2039

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	14.8316					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	**14.9495**	**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 - 2039

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	0.1999	0.0902	1.3341	6.8900e-003	1.0954	3.8600e-003	1.0993	0.2905	3.5500e-003	0.2941		687.9028	687.9028	7.9400e-003		688.1013
Total	**0.1999**	**0.0902**	**1.3341**	**6.8900e-003**	**1.0954**	**3.8600e-003**	**1.0993**	**0.2905**	**3.5500e-003**	**0.2941**		**687.9028**	**687.9028**	**7.9400e-003**		**688.1013**

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	14.8316					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	**14.9495**	**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 - 2039

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	0.1999	0.0902	1.3341	6.8900e-003	1.0954	3.8600e-003	1.0993	0.2905	3.5500e-003	0.2941		687.9028	687.9028	7.9400e-003		688.1013
Total	**0.1999**	**0.0902**	**1.3341**	**6.8900e-003**	**1.0954**	**3.8600e-003**	**1.0993**	**0.2905**	**3.5500e-003**	**0.2941**		**687.9028**	**687.9028**	**7.9400e-003**		**688.1013**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3053	39.0429	61.6811	0.3509	38.7241	0.1470	38.8710	10.3578	0.1367	10.4946		36,161.9509	36,161.9509	1.4273		36,197.6338
Unmitigated	6.0407	42.6732	77.0902	0.4522	51.1236	0.1878	51.3113	13.6744	0.1748	13.8492		46,572.2767	46,572.2767	1.7581		46,616.2290

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,209.60	3,770.10	3457.40	11,355,400	8,601,261
City Park	0.00	0.00	0.00		
General Office Building	2,475.12	72.62	31.00	5,743,057	4,350,136
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,114.46	1,475.21	745.14	2,407,748	1,823,773
Total	6,799.18	5,317.94	4,233.53	19,506,205	14,775,170

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
City Park	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
General Office Building	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Other Asphalt Surfaces	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Regional Shopping Center	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1712	1.4686	0.6645	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,867.4407	1,867.4407	0.0358	0.0342	1,878.5379
NaturalGas Unmitigated	0.1712	1.4686	0.6645	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,867.4407	1,867.4407	0.0358	0.0342	1,878.5379

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	14898.6	0.1607	1.3730	0.5843	8.7600e-003		0.1110	0.1110		0.1110	0.1110		1,752.7783	1,752.7783	0.0336	0.0321	1,763.1942
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
General Office Building	841.984	9.0800e-003	0.0826	0.0693	5.0000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		99.0569	99.0569	1.9000e-003	1.8200e-003	99.6455
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	132.647	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6055	15.6055	3.0000e-004	2.9000e-004	15.6982
Total		**0.1712**	**1.4686**	**0.6645**	**9.3400e-003**		**0.1183**	**0.1183**		**0.1183**	**0.1183**		**1,867.4407**	**1,867.4407**	**0.0358**	**0.0342**	**1,878.5379**

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	14.8986	0.1607	1.3730	0.5843	8.7600e-003		0.1110	0.1110		0.1110	0.1110		1,752.7783	1,752.7783	0.0336	0.0321	1,763.1942
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
General Office Building	0.841984	9.0800e-003	0.0826	0.0693	5.0000e-004		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003		99.0569	99.0569	1.9000e-003	1.8200e-003	99.6455
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.132647	1.4300e-003	0.0130	0.0109	8.0000e-005		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004		15.6055	15.6055	3.0000e-004	2.9000e-004	15.6982
Total		**0.1712**	**1.4686**	**0.6645**	**9.3400e-003**		**0.1183**	**0.1183**		**0.1183**	**0.1183**		**1,867.4407**	**1,867.4407**	**0.0358**	**0.0342**	**1,878.5379**

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	15.4323	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700	0.0000	87.6594	87.6594	0.0835	0.0000	89.7458
Unmitigated	15.4323	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700	0.0000	87.6594	87.6594	0.0835	0.0000	89.7458

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	1.0931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8892					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	1.4500	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700		87.6594	87.6594	0.0835		89.7458
Total	**15.4323**	**0.5594**	**48.4682**	**2.5700e-003**		**0.2700**	**0.2700**		**0.2700**	**0.2700**	**0.0000**	**87.6594**	**87.6594**	**0.0835**	**0.0000**	**89.7458**

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	1.0931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8892					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	1.4500	0.5594	48.4682	2.5700e-003		0.2700	0.2700		0.2700	0.2700		87.6594	87.6594	0.0835		89.7458
Total	**15.4323**	**0.5594**	**48.4682**	**2.5700e-003**		**0.2700**	**0.2700**		**0.2700**	**0.2700**	**0.0000**	**87.6594**	**87.6594**	**0.0835**	**0.0000**	**89.7458**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan (Phase 7)

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	29.52	1000sqft	0.00	29,522.00	0
Other Asphalt Surfaces	1.77	Acre	1.77	77,101.20	0
City Park	0.84	Acre	0.84	36,590.40	0
Apartments Mid Rise	590.00	Dwelling Unit	7.19	590,449.00	1687
Regional Shopping Center	29.52	1000sqft	0.00	29,522.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan (Phase 7) - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Based on project plans dated July 19 2019

Construction Phase - Increased duration of construction phases for an overall duration of approximately 3 years; Arch Coat. adjusted to overlap with building construction

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated June 19, 2019

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 403 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	230.00	550.00
tblConstructionPhase	NumDays	20.00	269.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	PhaseEndDate	9/5/2036	10/31/2036
tblConstructionPhase	PhaseEndDate	9/19/2036	12/26/2036
tblConstructionPhase	PhaseEndDate	10/17/2036	5/1/2037

tblConstructionPhase	PhaseEndDate	9/4/2037	6/10/2039
tblConstructionPhase	PhaseEndDate	10/30/2037	6/10/2039
tblConstructionPhase	PhaseEndDate	10/2/2037	7/29/2039
tblConstructionPhase	PhaseStartDate	9/6/2036	11/1/2036
tblConstructionPhase	PhaseStartDate	9/20/2036	12/27/2036
tblConstructionPhase	PhaseStartDate	10/18/2036	5/2/2037
tblConstructionPhase	PhaseStartDate	10/3/2037	6/1/2038
tblConstructionPhase	PhaseStartDate	9/5/2037	6/11/2039
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberNoFireplace	59.00	0.00
tblFireplaces	NumberWood	29.50	0.00
tblGrading	AcresOfGrading	45.00	10.00
tblLandUse	LandUseSquareFeet	590,000.00	590,449.00
tblLandUse	LotAcreage	0.68	0.00
tblLandUse	LotAcreage	15.53	7.19
tblLandUse	LotAcreage	0.68	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00

tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	83.84
tblVehicleTrips	WD_TR	42.70	37.75
tblWoodstoves	NumberCatalytic	29.50	0.00
tblWoodstoves	NumberNoncatalytic	29.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2036	0.1031	0.4656	0.9317	2.6700e-003	0.4642	0.0130	0.4771	0.2193	0.0130	0.2323	0.0000	232.3662	232.3662	9.5000e-003	0.0000	232.6037
2037	0.2614	1.4297	2.7748	9.2100e-003	0.7930	0.0169	0.8099	0.2853	0.0167	0.3020	0.0000	824.4670	824.4670	0.0256	0.0000	825.1076
2038	1.4597	1.8187	3.4579	0.0122	0.8606	0.0162	0.8768	0.2303	0.0159	0.2462	0.0000	1,095.3032	1,095.3032	0.0321	0.0000	1,096.1048
2039	1.0225	0.9070	1.8790	6.1000e-003	0.4074	0.0107	0.4182	0.1090	0.0106	0.1196	0.0000	547.4672	547.4672	0.0162	0.0000	547.8714
Maximum	**1.4597**	**1.8187**	**3.4579**	**0.0122**	**0.8606**	**0.0169**	**0.8768**	**0.2853**	**0.0167**	**0.3020**	**0.0000**	**1,095.3032**	**1,095.3032**	**0.0321**	**0.0000**	**1,096.1048**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2036	0.1031	0.4656	0.9317	2.6700e-003	0.2171	0.0130	0.2301	0.1009	0.0130	0.1139	0.0000	232.3660	232.3660	9.5000e-003	0.0000	232.6034
2037	0.2614	1.4297	2.7748	9.2100e-003	0.6460	0.0169	0.6629	0.2058	0.0167	0.2225	0.0000	824.4665	824.4665	0.0256	0.0000	825.1071
2038	1.4597	1.8187	3.4579	0.0122	0.8606	0.0162	0.8768	0.2303	0.0159	0.2462	0.0000	1,095.3028	1,095.3028	0.0321	0.0000	1,096.1043
2039	1.0225	0.9070	1.8790	6.1000e-003	0.4074	0.0107	0.4182	0.1090	0.0106	0.1196	0.0000	547.4670	547.4670	0.0162	0.0000	547.8711
Maximum	**1.4597**	**1.8187**	**3.4579**	**0.0122**	**0.8606**	**0.0169**	**0.8768**	**0.2303**	**0.0167**	**0.2462**	**0.0000**	**1,095.3028**	**1,095.3028**	**0.0321**	**0.0000**	**1,096.1043**

	ROG	NOx	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**	**15.60**	**0.00**	**15.26**	**23.45**	**0.00**	**21.99**	**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	**8-11-2036**	**11-10-2036**	0.3466	0.3466
2	**11-11-2036**	**2-10-2037**	0.3258	0.3258
3	**2-11-2037**	**5-10-2037**	0.2641	0.2641
4	**5-11-2037**	**8-10-2037**	0.5125	0.5125
5	**8-11-2037**	**11-10-2037**	0.5143	0.5143
6	**11-11-2037**	**2-10-2038**	0.5164	0.5164
7	**2-11-2038**	**5-10-2038**	0.4979	0.4979
8	**5-11-2038**	**8-10-2038**	0.9174	0.9174

9	**8-11-2038**	**11-10-2038**	1.0393	1.0393
10	**11-11-2038**	**2-10-2039**	1.0420	1.0420
11	**2-11-2039**	**5-10-2039**	1.0059	1.0059
12	**5-11-2039**	**8-10-2039**	0.4578	0.4578
		Highest	1.0420	1.0420

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	2.7330	0.0699	6.0585	3.2000e-004		0.0337	0.0337		0.0337	0.0337	0.0000	9.9404	9.9404	9.4600e-003	0.0000	10.1770
Energy	0.0312	0.2680	0.1213	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	1,302.7919	1,302.7919	0.0470	0.0142	1,308.1838
Mobile	0.8723	6.3679	11.5254	0.0678	7.4130	0.0276	7.4407	1.9858	0.0257	2.0116	0.0000	6,329.7177	6,329.7177	0.2325	0.0000	6,335.5290
Waste						0.0000	0.0000		0.0000	0.0000	66.9708	0.0000	66.9708	3.9579	0.0000	165.9173
Water						0.0000	0.0000		0.0000	0.0000	14.5538	295.7789	310.3327	1.5070	0.0378	359.2793
Total	**3.6366**	**6.7059**	**17.7052**	**0.0698**	**7.4130**	**0.0830**	**7.4960**	**1.9858**	**0.0810**	**2.0669**	**81.5246**	**7,938.2289**	**8,019.7535**	**5.7537**	**0.0520**	**8,179.0864**

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	2.7330	0.0699	6.0585	3.2000e-004		0.0337	0.0337		0.0337	0.0337	0.0000	9.9404	9.9404	9.4600e-003	0.0000	10.1770
Energy	0.0312	0.2680	0.1213	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	1,302.7919	1,302.7919	0.0470	0.0142	1,308.1838
Mobile	0.7633	5.8218	9.1880	0.0526	5.6151	0.0216	5.6367	1.5042	0.0201	1.5243	0.0000	4,920.5589	4,920.5589	0.1880	0.0000	4,925.2597
Waste						0.0000	0.0000		0.0000	0.0000	66.9708	0.0000	66.9708	3.9579	0.0000	165.9173
Water						0.0000	0.0000		0.0000	0.0000	11.6430	257.7146	269.3576	1.2065	0.0304	308.5904
Total	**3.5275**	**6.1597**	**15.3678**	**0.0547**	**5.6151**	**0.0769**	**5.6920**	**1.5042**	**0.0754**	**1.5796**	**78.6138**	**6,491.0058**	**6,569.6196**	**5.4088**	**0.0446**	**6,718.1281**

	ROG	NOx	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	**3.00**	**8.14**	**13.20**	**21.68**	**24.25**	**7.26**	**24.07**	**24.25**	**6.92**	**23.57**	**3.57**	**18.23**	**18.08**	**6.00**	**14.20**	**17.86**

3.0 Construction Detail

Construction Phase

Compton Hub City Specific Plan (Phase 7) - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/11/2036	10/31/2036	5	60	
2	Site Preparation	Site Preparation	11/1/2036	12/26/2036	5	40	
3	Grading	Grading	12/27/2036	5/1/2037	5	90	
4	Building Construction	Building Construction	5/2/2037	6/10/2039	5	550	
5	Paving	Paving	6/11/2039	7/29/2039	5	35	
6	Architectural Coating	Architectural Coating	6/1/2038	6/10/2039	5	269	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.77

Residential Indoor: 1,195,659; Residential Outdoor: 398,553; Non-Residential Indoor: 88,566; Non-Residential Outdoor: 29,522; Striped Parking Area: 4,626 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan (Phase 7) - South Coast AQMD Air District, 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	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	679.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	491.00	91.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	98.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2036

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					0.0735	0.0000	0.0735	0.0111	0.0000	0.0111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0549	0.2072	0.5612	1.3900e-003		6.8000e-003	6.8000e-003		6.8000e-003	6.8000e-003	0.0000	119.1655	119.1655	4.3500e-003	0.0000	119.2743
Total	**0.0549**	**0.2072**	**0.5612**	**1.3900e-003**	**0.0735**	**6.8000e-003**	**0.0803**	**0.0111**	**6.8000e-003**	**0.0179**	**0.0000**	**119.1655**	**119.1655**	**4.3500e-003**	**0.0000**	**119.2743**

3.2 Demolition - 2036

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	1.5000e-003	0.0459	0.0178	2.3000e-004	5.8400e-003	8.0000e-005	5.9200e-003	1.6000e-003	8.0000e-005	1.6800e-003	0.0000	23.1166	23.1166	1.4800e-003	0.0000	23.1536
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	8.2000e-004	4.3000e-004	6.3400e-003	3.0000e-005	4.9400e-003	2.0000e-005	4.9500e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	2.9158	2.9158	3.0000e-005	0.0000	2.9166
Total	**2.3200e-003**	**0.0463**	**0.0242**	**2.6000e-004**	**0.0108**	**1.0000e-004**	**0.0109**	**2.9100e-003**	**1.0000e-004**	**3.0100e-003**	**0.0000**	**26.0324**	**26.0324**	**1.5100e-003**	**0.0000**	**26.0703**

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					0.0331	0.0000	0.0331	5.0100e-003	0.0000	5.0100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0549	0.2072	0.5612	1.3900e-003		6.8000e-003	6.8000e-003		6.8000e-003	6.8000e-003	0.0000	119.1653	119.1653	4.3500e-003	0.0000	119.2741
Total	**0.0549**	**0.2072**	**0.5612**	**1.3900e-003**	**0.0331**	**6.8000e-003**	**0.0399**	**5.0100e-003**	**6.8000e-003**	**0.0118**	**0.0000**	**119.1653**	**119.1653**	**4.3500e-003**	**0.0000**	**119.2741**

3.2 Demolition - 2036

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	1.5000e-003	0.0459	0.0178	2.3000e-004	5.8400e-003	8.0000e-005	5.9200e-003	1.6000e-003	8.0000e-005	1.6800e-003	0.0000	23.1166	23.1166	1.4800e-003	0.0000	23.1536
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	8.2000e-004	4.3000e-004	6.3400e-003	3.0000e-005	4.9400e-003	2.0000e-005	4.9500e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	2.9158	2.9158	3.0000e-005	0.0000	2.9166
Total	**2.3200e-003**	**0.0463**	**0.0242**	**2.6000e-004**	**0.0108**	**1.0000e-004**	**0.0109**	**2.9100e-003**	**1.0000e-004**	**3.0100e-003**	**0.0000**	**26.0324**	**26.0324**	**1.5100e-003**	**0.0000**	**26.0703**

3.3 Site Preparation - 2036

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					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0430	0.2028	0.3195	9.3000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	80.0092	80.0092	3.4300e-003	0.0000	80.0949
Total	**0.0430**	**0.2028**	**0.3195**	**9.3000e-004**	**0.3613**	**5.8200e-003**	**0.3672**	**0.1986**	**5.8200e-003**	**0.2044**	**0.0000**	**80.0092**	**80.0092**	**3.4300e-003**	**0.0000**	**80.0949**

3.3 Site Preparation - 2036

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	3.4000e-004	5.0700e-003	3.0000e-005	3.9500e-003	1.0000e-005	3.9600e-003	1.0500e-003	1.0000e-005	1.0600e-003	0.0000	2.3326	2.3326	3.0000e-005	0.0000	2.3333
Total	**6.5000e-004**	**3.4000e-004**	**5.0700e-003**	**3.0000e-005**	**3.9500e-003**	**1.0000e-005**	**3.9600e-003**	**1.0500e-003**	**1.0000e-005**	**1.0600e-003**	**0.0000**	**2.3326**	**2.3326**	**3.0000e-005**	**0.0000**	**2.3333**

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					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0430	0.2028	0.3195	9.3000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	80.0091	80.0091	3.4300e-003	0.0000	80.0948
Total	**0.0430**	**0.2028**	**0.3195**	**9.3000e-004**	**0.1626**	**5.8200e-003**	**0.1684**	**0.0894**	**5.8200e-003**	**0.0952**	**0.0000**	**80.0091**	**80.0091**	**3.4300e-003**	**0.0000**	**80.0948**

3.3 Site Preparation - 2036

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	3.4000e-004	5.0700e-003	3.0000e-005	3.9500e-003	1.0000e-005	3.9600e-003	1.0500e-003	1.0000e-005	1.0600e-003	0.0000	2.3326	2.3326	3.0000e-005	0.0000	2.3333
Total	**6.5000e-004**	**3.4000e-004**	**5.0700e-003**	**3.0000e-005**	**3.9500e-003**	**1.0000e-005**	**3.9600e-003**	**1.0500e-003**	**1.0000e-005**	**1.0600e-003**	**0.0000**	**2.3326**	**2.3326**	**3.0000e-005**	**0.0000**	**2.3333**

3.4 Grading - 2036

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					0.0143	0.0000	0.0143	5.5400e-003	0.0000	5.5400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	8.9700e-003	0.0215	5.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	4.6807	4.6807	1.7000e-004	0.0000	4.6851
Total	**2.1900e-003**	**8.9700e-003**	**0.0215**	**5.0000e-005**	**0.0143**	**2.3000e-004**	**0.0146**	**5.5400e-003**	**2.3000e-004**	**5.7700e-003**	**0.0000**	**4.6807**	**4.6807**	**1.7000e-004**	**0.0000**	**4.6851**

3.4 Grading - 2036

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.2000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1458	0.1458	0.0000	0.0000	0.1458
Total	**4.0000e-005**	**2.0000e-005**	**3.2000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1458**	**0.1458**	**0.0000**	**0.0000**	**0.1458**

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					6.4500e-003	0.0000	6.4500e-003	2.4900e-003	0.0000	2.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	8.9700e-003	0.0215	5.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	4.6807	4.6807	1.7000e-004	0.0000	4.6851
Total	**2.1900e-003**	**8.9700e-003**	**0.0215**	**5.0000e-005**	**6.4500e-003**	**2.3000e-004**	**6.6800e-003**	**2.4900e-003**	**2.3000e-004**	**2.7200e-003**	**0.0000**	**4.6807**	**4.6807**	**1.7000e-004**	**0.0000**	**4.6851**

3.4 Grading - 2036

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.2000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1458	0.1458	0.0000	0.0000	0.1458
Total	**4.0000e-005**	**2.0000e-005**	**3.2000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1458**	**0.1458**	**0.0000**	**0.0000**	**0.1458**

3.4 Grading - 2037

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					0.2673	0.0000	0.2673	0.1446	0.0000	0.1446	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0636	0.2602	0.6233	1.5800e-003		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003	0.0000	135.7401	135.7401	5.0600e-003	0.0000	135.8666
Total	**0.0636**	**0.2602**	**0.6233**	**1.5800e-003**	**0.2673**	**6.7700e-003**	**0.2740**	**0.1446**	**6.7700e-003**	**0.1513**	**0.0000**	**135.7401**	**135.7401**	**5.0600e-003**	**0.0000**	**135.8666**

3.4 Grading - 2037

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	1.1800e-003	6.2000e-004	9.1900e-003	5.0000e-005	7.1600e-003	3.0000e-005	7.1800e-003	1.9000e-003	2.0000e-005	1.9200e-003	0.0000	4.2279	4.2279	5.0000e-005	0.0000	4.2291
Total	**1.1800e-003**	**6.2000e-004**	**9.1900e-003**	**5.0000e-005**	**7.1600e-003**	**3.0000e-005**	**7.1800e-003**	**1.9000e-003**	**2.0000e-005**	**1.9200e-003**	**0.0000**	**4.2279**	**4.2279**	**5.0000e-005**	**0.0000**	**4.2291**

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					0.1203	0.0000	0.1203	0.0651	0.0000	0.0651	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0636	0.2602	0.6233	1.5800e-003		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003	0.0000	135.7399	135.7399	5.0600e-003	0.0000	135.8664
Total	**0.0636**	**0.2602**	**0.6233**	**1.5800e-003**	**0.1203**	**6.7700e-003**	**0.1270**	**0.0651**	**6.7700e-003**	**0.0718**	**0.0000**	**135.7399**	**135.7399**	**5.0600e-003**	**0.0000**	**135.8664**

3.4 Grading - 2037

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	1.1800e-003	6.2000e-004	9.1900e-003	5.0000e-005	7.1600e-003	3.0000e-005	7.1800e-003	1.9000e-003	2.0000e-005	1.9200e-003	0.0000	4.2279	4.2279	5.0000e-005	0.0000	4.2291
Total	**1.1800e-003**	**6.2000e-004**	**9.1900e-003**	**5.0000e-005**	**7.1600e-003**	**3.0000e-005**	**7.1800e-003**	**1.9000e-003**	**2.0000e-005**	**1.9200e-003**	**0.0000**	**4.2279**	**4.2279**	**5.0000e-005**	**0.0000**	**4.2291**

3.5 Building Construction - 2037

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	0.1059	0.6230	1.4023	2.6900e-003		7.8700e-003	7.8700e-003		7.8700e-003	7.8700e-003	0.0000	228.6891	228.6891	8.5200e-003	0.0000	228.9020
Total	**0.1059**	**0.6230**	**1.4023**	**2.6900e-003**		**7.8700e-003**	**7.8700e-003**		**7.8700e-003**	**7.8700e-003**	**0.0000**	**228.6891**	**228.6891**	**8.5200e-003**	**0.0000**	**228.9020**

3.5 Building Construction - 2037

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	0.0133	0.5053	0.1385	1.8400e-003	0.0499	5.2000e-004	0.0504	0.0144	5.0000e-004	0.0149	0.0000	179.0231	179.0231	8.7900e-003	0.0000	179.2429
Worker	0.0774	0.0405	0.6016	3.0500e-003	0.4687	1.6800e-003	0.4703	0.1245	1.5500e-003	0.1260	0.0000	276.7868	276.7868	3.2000e-003	0.0000	276.8669
Total	**0.0908**	**0.5458**	**0.7401**	**4.8900e-003**	**0.5186**	**2.2000e-003**	**0.5208**	**0.1389**	**2.0500e-003**	**0.1409**	**0.0000**	**455.8099**	**455.8099**	**0.0120**	**0.0000**	**456.1098**

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	0.1059	0.6230	1.4022	2.6900e-003		7.8700e-003	7.8700e-003		7.8700e-003	7.8700e-003	0.0000	228.6888	228.6888	8.5200e-003	0.0000	228.9018
Total	**0.1059**	**0.6230**	**1.4022**	**2.6900e-003**		**7.8700e-003**	**7.8700e-003**		**7.8700e-003**	**7.8700e-003**	**0.0000**	**228.6888**	**228.6888**	**8.5200e-003**	**0.0000**	**228.9018**

3.5 Building Construction - 2037

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	0.0133	0.5053	0.1385	1.8400e-003	0.0499	5.2000e-004	0.0504	0.0144	5.0000e-004	0.0149	0.0000	179.0231	179.0231	8.7900e-003	0.0000	179.2429
Worker	0.0774	0.0405	0.6016	3.0500e-003	0.4687	1.6800e-003	0.4703	0.1245	1.5500e-003	0.1260	0.0000	276.7868	276.7868	3.2000e-003	0.0000	276.8669
Total	**0.0908**	**0.5458**	**0.7401**	**4.8900e-003**	**0.5186**	**2.2000e-003**	**0.5208**	**0.1389**	**2.0500e-003**	**0.1409**	**0.0000**	**455.8099**	**455.8099**	**0.0120**	**0.0000**	**456.1098**

3.5 Building Construction - 2038

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	**0.1588**	**0.9346**	**2.1034**	**4.0400e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**343.0336**	**343.0336**	**0.0128**	**0.0000**	**343.3530**

3.5 Building Construction - 2038

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	0.0200	0.7579	0.2077	2.7600e-003	0.0749	7.8000e-004	0.0756	0.0216	7.5000e-004	0.0224	0.0000	268.5347	268.5347	0.0132	0.0000	268.8644
Worker	0.1161	0.0608	0.9024	4.5800e-003	0.7030	2.5200e-003	0.7055	0.1867	2.3200e-003	0.1890	0.0000	415.1802	415.1802	4.8100e-003	0.0000	415.3003
Total	**0.1361**	**0.8187**	**1.1101**	**7.3400e-003**	**0.7779**	**3.3000e-003**	**0.7812**	**0.2083**	**3.0700e-003**	**0.2114**	**0.0000**	**683.7149**	**683.7149**	**0.0180**	**0.0000**	**684.1647**

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	**0.1588**	**0.9346**	**2.1034**	**4.0400e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**343.0332**	**343.0332**	**0.0128**	**0.0000**	**343.3526**

3.5 Building Construction - 2038

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	0.0200	0.7579	0.2077	2.7600e-003	0.0749	7.8000e-004	0.0756	0.0216	7.5000e-004	0.0224	0.0000	268.5347	268.5347	0.0132	0.0000	268.8644
Worker	0.1161	0.0608	0.9024	4.5800e-003	0.7030	2.5200e-003	0.7055	0.1867	2.3200e-003	0.1890	0.0000	415.1802	415.1802	4.8100e-003	0.0000	415.3003
Total	**0.1361**	**0.8187**	**1.1101**	**7.3400e-003**	**0.7779**	**3.3000e-003**	**0.7812**	**0.2083**	**3.0700e-003**	**0.2114**	**0.0000**	**683.7149**	**683.7149**	**0.0180**	**0.0000**	**684.1647**

3.5 Building Construction - 2039

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	0.0700	0.4118	0.9268	1.7800e-003		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	151.1451	151.1451	5.6300e-003	0.0000	151.2858
Total	**0.0700**	**0.4118**	**0.9268**	**1.7800e-003**		**5.2000e-003**	**5.2000e-003**		**5.2000e-003**	**5.2000e-003**	**0.0000**	**151.1451**	**151.1451**	**5.6300e-003**	**0.0000**	**151.2858**

3.5 Building Construction - 2039

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	8.8100e-003	0.3340	0.0915	1.2100e-003	0.0330	3.4000e-004	0.0333	9.5200e-003	3.3000e-004	9.8500e-003	0.0000	118.3199	118.3199	5.8100e-003	0.0000	118.4652
Worker	0.0512	0.0268	0.3976	2.0200e-003	0.3098	1.1100e-003	0.3109	0.0823	1.0200e-003	0.0833	0.0000	182.9338	182.9338	2.1200e-003	0.0000	182.9867
Total	**0.0600**	**0.3607**	**0.4891**	**3.2300e-003**	**0.3427**	**1.4500e-003**	**0.3442**	**0.0918**	**1.3500e-003**	**0.0931**	**0.0000**	**301.2537**	**301.2537**	**7.9300e-003**	**0.0000**	**301.4519**

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	0.0700	0.4118	0.9268	1.7800e-003		5.2000e-003	5.2000e-003		5.2000e-003	5.2000e-003	0.0000	151.1449	151.1449	5.6300e-003	0.0000	151.2856
Total	**0.0700**	**0.4118**	**0.9268**	**1.7800e-003**		**5.2000e-003**	**5.2000e-003**		**5.2000e-003**	**5.2000e-003**	**0.0000**	**151.1449**	**151.1449**	**5.6300e-003**	**0.0000**	**151.2856**

3.5 Building Construction - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8100e-003	0.3340	0.0915	1.2100e-003	0.0330	3.4000e-004	0.0333	9.5200e-003	3.3000e-004	9.8500e-003	0.0000	118.3199	118.3199	5.8100e-003	0.0000	118.4652
Worker	0.0512	0.0268	0.3976	2.0200e-003	0.3098	1.1100e-003	0.3109	0.0823	1.0200e-003	0.0833	0.0000	182.9338	182.9338	2.1200e-003	0.0000	182.9867
Total	**0.0600**	**0.3607**	**0.4891**	**3.2300e-003**	**0.3427**	**1.4500e-003**	**0.3442**	**0.0918**	**1.3500e-003**	**0.0931**	**0.0000**	**301.2537**	**301.2537**	**7.9300e-003**	**0.0000**	**301.4519**

3.6 Paving - 2039

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	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1742	42.1742	1.6200e-003	0.0000	42.2147
Paving	2.3200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0223**	**0.0853**	**0.2769**	**4.9000e-004**		**3.2800e-003**	**3.2800e-003**		**3.2800e-003**	**3.2800e-003**	**0.0000**	**42.1742**	**42.1742**	**1.6200e-003**	**0.0000**	**42.2147**

3.6 Paving - 2039

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	4.8000e-004	2.5000e-004	3.7000e-003	2.0000e-005	2.8800e-003	1.0000e-005	2.8900e-003	7.6000e-004	1.0000e-005	7.7000e-004	0.0000	1.7009	1.7009	2.0000e-005	0.0000	1.7014
Total	**4.8000e-004**	**2.5000e-004**	**3.7000e-003**	**2.0000e-005**	**2.8800e-003**	**1.0000e-005**	**2.8900e-003**	**7.6000e-004**	**1.0000e-005**	**7.7000e-004**	**0.0000**	**1.7009**	**1.7009**	**2.0000e-005**	**0.0000**	**1.7014**

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	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1741	42.1741	1.6200e-003	0.0000	42.2147
Paving	2.3200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0223**	**0.0853**	**0.2769**	**4.9000e-004**		**3.2800e-003**	**3.2800e-003**		**3.2800e-003**	**3.2800e-003**	**0.0000**	**42.1741**	**42.1741**	**1.6200e-003**	**0.0000**	**42.2147**

3.6 Paving - 2039

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	4.8000e-004	2.5000e-004	3.7000e-003	2.0000e-005	2.8800e-003	1.0000e-005	2.8900e-003	7.6000e-004	1.0000e-005	7.7000e-004	0.0000	1.7009	1.7009	2.0000e-005	0.0000	1.7014
Total	**4.8000e-004**	**2.5000e-004**	**3.7000e-003**	**2.0000e-005**	**2.8800e-003**	**1.0000e-005**	**2.8900e-003**	**7.6000e-004**	**1.0000e-005**	**7.7000e-004**	**0.0000**	**1.7009**	**1.7009**	**2.0000e-005**	**0.0000**	**1.7014**

3.7 Architectural Coating - 2038

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	1.1420					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0800e-003	0.0583	0.1382	2.3000e-004		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004	0.0000	19.6601	19.6601	7.3000e-004	0.0000	19.6782
Total	**1.1511**	**0.0583**	**0.1382**	**2.3000e-004**		**7.6000e-004**	**7.6000e-004**		**7.6000e-004**	**7.6000e-004**	**0.0000**	**19.6601**	**19.6601**	**7.3000e-004**	**0.0000**	**19.6782**

3.7 Architectural Coating - 2038

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	0.0137	7.1500e-003	0.1063	5.4000e-004	0.0828	3.0000e-004	0.0831	0.0220	2.7000e-004	0.0223	0.0000	48.8947	48.8947	5.7000e-004	0.0000	48.9088
Total	**0.0137**	**7.1500e-003**	**0.1063**	**5.4000e-004**	**0.0828**	**3.0000e-004**	**0.0831**	**0.0220**	**2.7000e-004**	**0.0223**	**0.0000**	**48.8947**	**48.8947**	**5.7000e-004**	**0.0000**	**48.9088**

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	1.1420					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0800e-003	0.0583	0.1382	2.3000e-004		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004	0.0000	19.6600	19.6600	7.3000e-004	0.0000	19.6782
Total	**1.1511**	**0.0583**	**0.1382**	**2.3000e-004**		**7.6000e-004**	**7.6000e-004**		**7.6000e-004**	**7.6000e-004**	**0.0000**	**19.6600**	**19.6600**	**7.3000e-004**	**0.0000**	**19.6782**

3.7 Architectural Coating - 2038

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	0.0137	7.1500e-003	0.1063	5.4000e-004	0.0828	3.0000e-004	0.0831	0.0220	2.7000e-004	0.0223	0.0000	48.8947	48.8947	5.7000e-004	0.0000	48.9088
Total	**0.0137**	**7.1500e-003**	**0.1063**	**5.4000e-004**	**0.0828**	**3.0000e-004**	**0.0831**	**0.0220**	**2.7000e-004**	**0.0223**	**0.0000**	**48.8947**	**48.8947**	**5.7000e-004**	**0.0000**	**48.9088**

3.7 Architectural Coating - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7800e-003	0.0436	0.1032	1.7000e-004		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	14.6812	14.6812	5.4000e-004	0.0000	14.6948
Total	**0.8596**	**0.0436**	**0.1032**	**1.7000e-004**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**14.6812**	**14.6812**	**5.4000e-004**	**0.0000**	**14.6948**

3.7 Architectural Coating - 2039

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	0.0102	5.3400e-003	0.0794	4.0000e-004	0.0618	2.2000e-004	0.0621	0.0164	2.0000e-004	0.0166	0.0000	36.5122	36.5122	4.2000e-004	0.0000	36.5228
Total	**0.0102**	**5.3400e-003**	**0.0794**	**4.0000e-004**	**0.0618**	**2.2000e-004**	**0.0621**	**0.0164**	**2.0000e-004**	**0.0166**	**0.0000**	**36.5122**	**36.5122**	**4.2000e-004**	**0.0000**	**36.5228**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7800e-003	0.0436	0.1032	1.7000e-004		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	14.6812	14.6812	5.4000e-004	0.0000	14.6948
Total	**0.8596**	**0.0436**	**0.1032**	**1.7000e-004**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**	**0.0000**	**14.6812**	**14.6812**	**5.4000e-004**	**0.0000**	**14.6948**

3.7 Architectural Coating - 2039

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	0.0102	5.3400e-003	0.0794	4.0000e-004	0.0618	2.2000e-004	0.0621	0.0164	2.0000e-004	0.0166	0.0000	36.5122	36.5122	4.2000e-004	0.0000	36.5228
Total	**0.0102**	**5.3400e-003**	**0.0794**	**4.0000e-004**	**0.0618**	**2.2000e-004**	**0.0621**	**0.0164**	**2.0000e-004**	**0.0166**	**0.0000**	**36.5122**	**36.5122**	**4.2000e-004**	**0.0000**	**36.5228**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7633	5.8218	9.1880	0.0526	5.6151	0.0216	5.6367	1.5042	0.0201	1.5243	0.0000	4,920.5589	4,920.5589	0.1880	0.0000	4,925.2597
Unmitigated	0.8723	6.3679	11.5254	0.0678	7.4130	0.0276	7.4407	1.9858	0.0257	2.0116	0.0000	6,329.7177	6,329.7177	0.2325	0.0000	6,335.5290

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,209.60	3,770.10	3457.40	11,355,400	8,601,261
City Park	0.00	0.00	0.00		
General Office Building	2,475.12	72.62	31.00	5,743,057	4,350,136
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	1,114.46	1,475.21	745.14	2,407,748	1,823,773
Total	6,799.18	5,317.94	4,233.53	19,506,205	14,775,170

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
City Park	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
General Office Building	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Other Asphalt Surfaces	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Regional Shopping Center	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	993.6161	993.6161	0.0410	8.4900e-003	997.1708
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	993.6161	993.6161	0.0410	8.4900e-003	997.1708
NaturalGas Mitigated	0.0312	0.2680	0.1213	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	309.1758	309.1758	5.9300e-003	5.6700e-003	311.0130
NaturalGas Unmitigated	0.0312	0.2680	0.1213	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	309.1758	309.1758	5.9300e-003	5.6700e-003	311.0130

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	5.43799e+006	0.0293	0.2506	0.1066	1.6000e-003		0.0203	0.0203		0.0203	0.0203	0.0000	290.1921	290.1921	5.5600e-003	5.3200e-003	291.9166
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
General Office Building	307324	1.6600e-003	0.0151	0.0127	9.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	16.4000	16.4000	3.1000e-004	3.0000e-004	16.4974
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	48416.1	2.6000e-004	2.3700e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5837	2.5837	5.0000e-005	5.0000e-005	2.5990
Total		**0.0312**	**0.2680**	**0.1213**	**1.7000e-003**		**0.0216**	**0.0216**		**0.0216**	**0.0216**	**0.0000**	**309.1758**	**309.1758**	**5.9200e-003**	**5.6700e-003**	**311.0130**

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	5.43799e+006	0.0293	0.2506	0.1066	1.6000e-003		0.0203	0.0203		0.0203	0.0203	0.0000	290.1921	290.1921	5.5600e-003	5.3200e-003	291.9166
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
General Office Building	307324	1.6600e-003	0.0151	0.0127	9.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	16.4000	16.4000	3.1000e-004	3.0000e-004	16.4974
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	48416.1	2.6000e-004	2.3700e-003	1.9900e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5837	2.5837	5.0000e-005	5.0000e-005	2.5990
Total		**0.0312**	**0.2680**	**0.1213**	**1.7000e-003**		**0.0216**	**0.0216**		**0.0216**	**0.0216**	**0.0000**	**309.1758**	**309.1758**	**5.9200e-003**	**5.6700e-003**	**311.0130**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.33645e+006	744.4421	0.0307	6.3600e-003	747.1054
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	383491	122.1884	5.0400e-003	1.0400e-003	122.6255
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	398547	126.9856	5.2400e-003	1.0800e-003	127.4399
Total		**993.6161**	**0.0410**	**8.4800e-003**	**997.1708**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.33645e+006	744.4421	0.0307	6.3600e-003	747.1054
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	383491	122.1884	5.0400e-003	1.0400e-003	122.6255
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	398547	126.9856	5.2400e-003	1.0800e-003	127.4399
Total		**993.6161**	**0.0410**	**8.4800e-003**	**997.1708**

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	2.7330	0.0699	6.0585	3.2000e-004		0.0337	0.0337		0.0337	0.0337	0.0000	9.9404	9.9404	9.4600e-003	0.0000	10.1770
Unmitigated	2.7330	0.0699	6.0585	3.2000e-004		0.0337	0.0337		0.0337	0.0337	0.0000	9.9404	9.9404	9.4600e-003	0.0000	10.1770

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3523					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	0.1813	0.0699	6.0585	3.2000e-004		0.0337	0.0337		0.0337	0.0337	0.0000	9.9404	9.9404	9.4600e-003	0.0000	10.1770
Total	**2.7330**	**0.0699**	**6.0585**	**3.2000e-004**		**0.0337**	**0.0337**		**0.0337**	**0.0337**	**0.0000**	**9.9404**	**9.9404**	**9.4600e-003**	**0.0000**	**10.1770**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3523					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	0.1813	0.0699	6.0585	3.2000e-004		0.0337	0.0337		0.0337	0.0337	0.0000	9.9404	9.9404	9.4600e-003	0.0000	10.1770
Total	**2.7330**	**0.0699**	**6.0585**	**3.2000e-004**		**0.0337**	**0.0337**		**0.0337**	**0.0337**	**0.0000**	**9.9404**	**9.9404**	**9.4600e-003**	**0.0000**	**10.1770**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	269.3576	1.2065	0.0304	308.5904
Unmitigated	310.3327	1.5070	0.0378	359.2793

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	38.4409 / 24.2345	257.4650	1.2627	0.0317	298.4712
City Park	0 / 1.00084	3.5429	1.5000e-004	3.0000e-005	3.5556
General Office Building	5.2467 / 3.21572	34.8152	0.1723	4.3200e-003	40.4108
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.18662 / 1.34019	14.5096	0.0718	1.8000e-003	16.8417
Total		**310.3327**	**1.5070**	**0.0378**	**359.2793**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	30.7527 / 24.2345	223.1295	1.0109	0.0255	255.9958
City Park	0 / 1.00084	3.5429	1.5000e-004	3.0000e-005	3.5556
General Office Building	4.19736 / 3.21572	30.1288	0.1380	3.4800e-003	34.6135
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.7493 / 1.34019	12.5565	0.0575	1.4500e-003	14.4256
Total		**269.3576**	**1.2065**	**0.0304**	**308.5904**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	66.9708	3.9579	0.0000	165.9173
Unmitigated	66.9708	3.9579	0.0000	165.9173

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	271.4	55.0918	3.2558	0.0000	136.4875
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
General Office Building	27.45	5.5721	0.3293	0.0000	13.8047
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	31	6.2927	0.3719	0.0000	15.5900
Total		**66.9708**	**3.9579**	**0.0000**	**165.9173**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	271.4	55.0918	3.2558	0.0000	136.4875
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
General Office Building	27.45	5.5721	0.3293	0.0000	13.8047
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	31	6.2927	0.3719	0.0000	15.5900
Total		**66.9708**	**3.9579**	**0.0000**	**165.9173**

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

Compton Hub City Specific Plan

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	219.19	1000sqft	0.00	219,188.00	0
Other Asphalt Surfaces	28.55	Acre	28.55	1,243,638.00	0
City Park	20.60	Acre	17.64	897,336.00	0
Apartments Mid Rise	4,803.00	Dwelling Unit	52.03	4,802,826.00	13737
Regional Shopping Center	130.36	1000sqft	0.00	130,363.00	0
Regional Shopping Center	86.71	1000sqft	4.82	86,710.00	0
City Park	0.74	Acre	0.74	32,250.00	0
Place of Worship	32.25	1000sqft	0.74	32,250.00	0
Library	32.25	1000sqft	0.74	32,250.00	0
Government (Civic Center)	32.25	1000sqft	0.74	32,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Based on project plans dated August 2019; Library land use substitute for Museum and Gov Civic Center for Community Center

Construction Phase - Construction schedule phases extended to be consistent with 20 year period

Trips and VMT -

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated September 2019 plus ITE 10th Ed rates

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	200.00	400.00
tblConstructionPhase	NumDays	120.00	250.00
tblConstructionPhase	NumDays	310.00	630.00
tblConstructionPhase	NumDays	3,100.00	3,490.00
tblConstructionPhase	NumDays	220.00	1,638.00
tblConstructionPhase	NumDays	220.00	230.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

Compton Hub City Specific Plan - South Coast AQMD Air District, Summer

tblFireplaces	NumberNoFireplace	480.30	0.00
tblFireplaces	NumberWood	240.15	0.00
tblGrading	AcresOfGrading	1,575.00	775.00
tblLandUse	LandUseSquareFeet	219,190.00	219,188.00
tblLandUse	LandUseSquareFeet	4,803,000.00	4,802,826.00
tblLandUse	LandUseSquareFeet	130,360.00	130,363.00
tblLandUse	LandUseSquareFeet	32,234.40	32,250.00
tblLandUse	LotAcreage	5.03	0.00
tblLandUse	LotAcreage	20.60	17.64
tblLandUse	LotAcreage	126.39	52.03
tblLandUse	LotAcreage	2.99	0.00
tblLandUse	LotAcreage	1.99	4.82
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	0.00	9.10
tblVehicleTrips	ST_TR	22.75	1.96
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	0.00	13.60
tblVehicleTrips	SU_TR	16.74	2.19
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	27.92	28.82
tblVehicleTrips	WD_TR	1.89	0.02
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	56.24	2.80

tblVehicleTrips	WD_TR	9.11	6.95
tblWoodstoves	NumberCatalytic	240.15	0.00
tblWoodstoves	NumberNoncatalytic	240.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4577	36.0313	22.9205	0.0485	2.7772	1.6690	4.4462	0.4818	1.5516	2.0334	0.0000	4,777.1879	4,777.1879	1.1205	0.0000	4,805.1991
2021	3.9642	40.5464	22.6781	0.0483	18.2675	2.0459	20.3134	9.9840	1.8823	11.8663	0.0000	4,762.8818	4,762.8818	1.1974	0.0000	4,790.7816
2022	3.7040	38.8929	29.7382	0.0642	18.2675	1.6365	19.8815	9.9840	1.5056	11.4689	0.0000	6,224.9553	6,224.9553	1.9496	0.0000	6,273.6952
2023	3.3962	34.5604	28.6946	0.0642	7.5502	1.4261	8.9763	3.5104	1.3120	4.8223	0.0000	6,217.0638	6,217.0638	1.9491	0.0000	6,265.7910
2024	3.2886	32.4177	28.3238	0.0641	7.5502	1.3369	8.8872	3.5104	1.2300	4.7404	0.0000	6,208.5905	6,208.5905	1.9481	0.0000	6,257.2936
2025	18.3643	85.7193	160.5559	0.6943	56.9608	1.1324	57.9028	15.2452	1.0418	16.1255	0.0000	70,821.0172	70,821.0172	2.8061	0.0000	70,891.1689
2026	17.6270	84.4441	151.9849	0.6774	56.9608	0.9295	57.8903	15.2452	0.8686	16.1138	0.0000	69,146.9563	69,146.9563	2.7084	0.0000	69,214.6660
2027	16.9122	83.2588	144.3765	0.6625	56.9608	0.9102	57.8710	15.2452	0.8508	16.0960	0.0000	67,670.9670	67,670.9670	2.6187	0.0000	67,736.4332
2028	16.1841	82.2348	137.7372	0.6495	56.9608	0.8861	57.8470	15.2452	0.8286	16.0738	0.0000	66,375.5323	66,375.5323	2.5397	0.0000	66,439.0257

	ROG	NOx	CO	SO2	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					
2029	15.3763	81.2407	131.2205	0.6379	56.9609	0.8644	57.8253	15.2452	0.8086	16.0538	0.0000	65,227.7194	65,227.7194	2.4643	0.0000	65,289.3276
2030	14.5006	75.7595	125.3107	0.6316	56.9609	0.4653	57.4263	15.2453	0.4423	15.6876	0.0000	64,550.8213	64,550.8213	1.9102	0.0000	64,598.5770
2031	13.6297	75.0363	119.8599	0.6236	56.9609	0.4484	57.4093	15.2453	0.4267	15.6719	0.0000	63,762.1359	63,762.1359	1.8487	0.0000	63,808.3542
2032	35.0264	76.0279	133.0152	0.6906	67.1326	0.4958	67.6284	17.9428	0.4719	18.4147	0.0000	70,442.1812	70,442.1812	1.9050	0.0000	70,489.8063
2033	34.2223	75.2466	127.7473	0.6825	67.1326	0.4779	67.6105	17.9428	0.4554	18.3982	0.0000	69,641.1885	69,641.1885	1.8484	0.0000	69,687.3995
2034	33.5393	74.5702	122.6587	0.6755	67.1326	0.4609	67.5935	17.9428	0.4397	18.3826	0.0000	68,945.1142	68,945.1142	1.7956	0.0000	68,990.0041
2035	32.8646	73.1791	118.4014	0.6695	67.1326	0.3778	67.5104	17.9429	0.3577	18.3006	0.0000	68,351.7743	68,351.7743	1.7425	0.0000	68,395.3378
2036	32.8646	73.1791	118.4014	0.6695	67.1326	0.3778	67.5104	17.9429	0.3577	18.3006	0.0000	68,351.7743	68,351.7743	1.7425	0.0000	68,395.3378
2037	32.8646	73.1791	118.4014	0.6695	67.1326	0.3778	67.5104	17.9429	0.3577	18.3006	0.0000	68,351.7743	68,351.7743	1.7425	0.0000	68,395.3378
2038	32.8646	73.1791	118.4014	0.6695	67.1326	0.3778	67.5104	17.9429	0.3577	18.3006	0.0000	68,351.7743	68,351.7743	1.7425	0.0000	68,395.3378
2039	1.4929	4.8888	16.0527	0.0292	0.1677	0.1880	0.3557	0.0445	0.1879	0.2324	0.0000	2,769.2963	2,769.2963	0.1036	0.0000	2,771.8852
Maximum	**35.0264**	**85.7193**	**160.5559**	**0.6943**	**67.1326**	**2.0459**	**67.6284**	**17.9429**	**1.8823**	**18.4147**	**0.0000**	**70,821.0172**	**70,821.0172**	**2.8061**	**0.0000**	**70,891.1689**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Compton Hub City Specific Plan - South Coast AQMD Air District, 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	3.4577	36.0313	22.9205	0.0485	1.5592	1.6690	3.2281	0.2974	1.5516	1.8490	0.0000	4,777.1879	4,777.1879	1.1205	0.0000	4,805.1991
2021	3.9642	40.5464	22.6781	0.0483	8.3310	2.0459	10.3770	4.5222	1.8823	6.4044	0.0000	4,762.8818	4,762.8818	1.1974	0.0000	4,790.7816
2022	3.7040	38.8929	29.7382	0.0642	8.3310	1.6365	9.9450	4.5222	1.5056	6.0071	0.0000	6,224.9553	6,224.9553	1.9496	0.0000	6,273.6952
2023	3.3962	34.5604	28.6946	0.0642	3.5206	1.4261	4.9466	1.6123	1.3120	2.9242	0.0000	6,217.0638	6,217.0638	1.9491	0.0000	6,265.7910
2024	3.2886	32.4177	28.3238	0.0641	3.5206	1.3369	4.8575	1.6123	1.2300	2.8423	0.0000	6,208.5905	6,208.5905	1.9481	0.0000	6,257.2936
2025	18.3643	85.7193	160.5559	0.6943	56.9608	1.1324	57.9028	15.2452	1.0418	16.1255	0.0000	70,821.0172	70,821.0172	2.8061	0.0000	70,891.1689
2026	17.6270	84.4441	151.9849	0.6774	56.9608	0.9295	57.8903	15.2452	0.8686	16.1138	0.0000	69,146.9563	69,146.9563	2.7084	0.0000	69,214.6660
2027	16.9122	83.2588	144.3765	0.6625	56.9608	0.9102	57.8710	15.2452	0.8508	16.0960	0.0000	67,670.9670	67,670.9670	2.6187	0.0000	67,736.4332
2028	16.1841	82.2348	137.7372	0.6495	56.9608	0.8861	57.8470	15.2452	0.8286	16.0738	0.0000	66,375.5323	66,375.5323	2.5397	0.0000	66,439.0257
2029	15.3763	81.2407	131.2205	0.6379	56.9609	0.8644	57.8253	15.2452	0.8086	16.0538	0.0000	65,227.7194	65,227.7194	2.4643	0.0000	65,289.3276
2030	14.5006	75.7595	125.3107	0.6316	56.9609	0.4653	57.4263	15.2453	0.4423	15.6876	0.0000	64,550.8213	64,550.8213	1.9102	0.0000	64,598.5770
2031	13.6297	75.0363	119.8599	0.6236	56.9609	0.4484	57.4093	15.2453	0.4267	15.6719	0.0000	63,762.1359	63,762.1359	1.8487	0.0000	63,808.3542
2032	35.0264	76.0279	133.0152	0.6906	67.1326	0.4958	67.6284	17.9428	0.4719	18.4147	0.0000	70,442.1812	70,442.1812	1.9050	0.0000	70,489.8063
2033	34.2223	75.2466	127.7473	0.6825	67.1326	0.4779	67.6105	17.9428	0.4554	18.3982	0.0000	69,641.1885	69,641.1885	1.8484	0.0000	69,687.3994
2034	33.5393	74.5702	122.6587	0.6755	67.1326	0.4609	67.5935	17.9428	0.4397	18.3826	0.0000	68,945.1142	68,945.1142	1.7956	0.0000	68,990.0041
2035	32.8646	73.1791	118.4014	0.6695	67.1326	0.3778	67.5104	17.9429	0.3577	18.3006	0.0000	68,351.7743	68,351.7743	1.7425	0.0000	68,395.3378
2036	32.8646	73.1791	118.4014	0.6695	67.1326	0.3778	67.5104	17.9429	0.3577	18.3006	0.0000	68,351.7743	68,351.7743	1.7425	0.0000	68,395.3378
2037	32.8646	73.1791	118.4014	0.6695	67.1326	0.3778	67.5104	17.9429	0.3577	18.3006	0.0000	68,351.7743	68,351.7743	1.7425	0.0000	68,395.3378

Compton Hub City Specific Plan - South Coast AQMD Air District, 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					
2038	32.8646	73.1791	118.4014	0.6695	67.1326	0.3778	67.5104	17.9429	0.3577	18.3006	0.0000	68,351.7743	68,351.7743	1.7425	0.0000	68,395.3378
2039	1.4929	4.8888	16.0527	0.0292	0.1677	0.1880	0.3557	0.0445	0.1879	0.2324	0.0000	2,769.2963	2,769.2963	0.1036	0.0000	2,771.8852
Maximum	**35.0264**	**85.7193**	**160.5559**	**0.6943**	**67.1326**	**2.0459**	**67.6284**	**17.9429**	**1.8823**	**18.4147**	**0.0000**	**70,821.0172**	**70,821.0172**	**2.8061**	**0.0000**	**70,891.1689**

	ROG	NOx	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**	**3.16**	**0.00**	**3.10**	**5.74**	**0.00**	**5.41**	**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	126.9481	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977	0.0000	713.6243	713.6243	0.6795	0.0000	730.6108
Energy	1.4303	12.2895	5.6906	0.0780		0.9882	0.9882		0.9882	0.9882		15,603.5075	15,603.5075	0.2991	0.2861	15,696.2314
Mobile	37.8981	254.4106	488.2519	2.8276	302.8867	1.1111	303.9978	81.0153	1.0341	82.0494		290,937.3447	290,937.3447	10.2939		291,194.6923
Total	**166.2765**	**271.2543**	**888.5145**	**2.9265**	**302.8867**	**4.2970**	**307.1837**	**81.0153**	**4.2200**	**85.2353**	**0.0000**	**307,254.4765**	**307,254.4765**	**11.2724**	**0.2861**	**307,621.5345**

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	126.9481	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977	0.0000	713.6243	713.6243	0.6795	0.0000	730.6108
Energy	1.4303	12.2895	5.6906	0.0780		0.9882	0.9882		0.9882	0.9882		15,603.5075	15,603.5075	0.2991	0.2861	15,696.2314
Mobile	33.4947	234.0143	386.5559	2.1977	229.4246	0.8693	230.2939	61.3658	0.8088	62.1747		226,346.4517	226,346.4517	8.3071		226,554.1291
Total	**161.8732**	**250.8580**	**786.8184**	**2.2966**	**229.4246**	**4.0552**	**233.4797**	**61.3658**	**3.9947**	**65.3606**	**0.0000**	**242,663.5835**	**242,663.5835**	**9.2856**	**0.2861**	**242,980.9713**

	ROG	NOx	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	**2.65**	**7.52**	**11.45**	**21.52**	**24.25**	**5.63**	**23.99**	**24.25**	**5.34**	**23.32**	**0.00**	**21.02**	**21.02**	**17.63**	**0.00**	**21.01**

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	6/1/2020	12/10/2021	5	400	
2	Site Preparation	Site Preparation	12/11/2021	11/25/2022	5	250	
3	Grading	Grading	11/26/2022	4/25/2025	5	630	
4	Building Construction	Building Construction	4/26/2025	9/10/2038	5	3490	
5	Architectural Coating	Architectural Coating	6/2/2032	9/10/2038	5	1638	
6	Paving	Paving	9/11/2038	7/29/2039	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 28.55

Residential Indoor: 9,725,723; Residential Outdoor: 3,241,908; Non-Residential Indoor: 799,517; Non-Residential Outdoor: 266,506; Striped Parking Area: 74,618 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan - South Coast AQMD Air District, 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	4,093.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4,548.00	957.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	910.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					2.2147	0.0000	2.2147	0.3353	0.0000	0.3353			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**	**2.2147**	**1.6587**	**3.8734**	**0.3353**	**1.5419**	**1.8772**		**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	0.0777	2.7847	0.5541	7.9300e-003	0.3949	8.9800e-003	0.4039	0.1021	8.5900e-003	0.1106		857.8204	857.8204	0.0576		859.2595
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	0.0679	0.0456	0.6132	1.7200e-003	0.1677	1.2700e-003	0.1689	0.0445	1.1700e-003	0.0456		171.6626	171.6626	4.9400e-003		171.7860
Total	**0.1456**	**2.8303**	**1.1673**	**9.6500e-003**	**0.5626**	**0.0103**	**0.5728**	**0.1465**	**9.7600e-003**	**0.1563**		**1,029.4830**	**1,029.4830**	**0.0625**		**1,031.0455**

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					0.9966	0.0000	0.9966	0.1509	0.0000	0.1509			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**	**0.9966**	**1.6587**	**2.6553**	**0.1509**	**1.5419**	**1.6927**	**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	0.0777	2.7847	0.5541	7.9300e-003	0.3949	8.9800e-003	0.4039	0.1021	8.5900e-003	0.1106		857.8204	857.8204	0.0576		859.2595
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	0.0679	0.0456	0.6132	1.7200e-003	0.1677	1.2700e-003	0.1689	0.0445	1.1700e-003	0.0456		171.6626	171.6626	4.9400e-003		171.7860
Total	**0.1456**	**2.8303**	**1.1673**	**9.6500e-003**	**0.5626**	**0.0103**	**0.5728**	**0.1465**	**9.7600e-003**	**0.1563**		**1,029.4830**	**1,029.4830**	**0.0625**		**1,031.0455**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2147	0.0000	2.2147	0.3353	0.0000	0.3353			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**2.2147**	**1.5513**	**3.7660**	**0.3353**	**1.4411**	**1.7764**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 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	0.0743	2.5887	0.5480	7.8400e-003	0.2635	8.0200e-003	0.2715	0.0698	7.6800e-003	0.0775		848.8264	848.8264	0.0566		850.2421
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	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
Total	**0.1376**	**2.6298**	**1.1131**	**9.5100e-003**	**0.4312**	**9.2500e-003**	**0.4404**	**0.1143**	**8.8200e-003**	**0.1231**		**1,014.9369**	**1,014.9369**	**0.0611**		**1,016.4643**

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					0.9966	0.0000	0.9966	0.1509	0.0000	0.1509			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.9966**	**1.5513**	**2.5479**	**0.1509**	**1.4411**	**1.5920**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 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	0.0743	2.5887	0.5480	7.8400e-003	0.2635	8.0200e-003	0.2715	0.0698	7.6800e-003	0.0775		848.8264	848.8264	0.0566		850.2421
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	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
Total	**0.1376**	**2.6298**	**1.1131**	**9.5100e-003**	**0.4312**	**9.2500e-003**	**0.4404**	**0.1143**	**8.8200e-003**	**0.1231**		**1,014.9369**	**1,014.9369**	**0.0611**		**1,016.4643**

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	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666
Total	**0.0760**	**0.0493**	**0.6781**	**2.0000e-003**	**0.2012**	**1.4800e-003**	**0.2027**	**0.0534**	**1.3600e-003**	**0.0547**		**199.3326**	**199.3326**	**5.3600e-003**		**199.4666**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			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**	**8.1298**	**2.0445**	**10.1743**	**4.4688**	**1.8809**	**6.3497**	**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	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666
Total	**0.0760**	**0.0493**	**0.6781**	**2.0000e-003**	**0.2012**	**1.4800e-003**	**0.2027**	**0.0534**	**1.3600e-003**	**0.0547**		**199.3326**	**199.3326**	**5.3600e-003**		**199.4666**

3.3 Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.3 Site Preparation - 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	0.0713	0.0445	0.6270	1.9300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		192.1903	192.1903	4.8400e-003		192.3114
Total	**0.0713**	**0.0445**	**0.6270**	**1.9300e-003**	**0.2012**	**1.4400e-003**	**0.2026**	**0.0534**	**1.3200e-003**	**0.0547**		**192.1903**	**192.1903**	**4.8400e-003**		**192.3114**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**8.1298**	**1.6126**	**9.7424**	**4.4688**	**1.4836**	**5.9524**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.3 Site Preparation - 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	0.0713	0.0445	0.6270	1.9300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		192.1903	192.1903	4.8400e-003		192.3114
Total	**0.0713**	**0.0445**	**0.6270**	**1.9300e-003**	**0.2012**	**1.4400e-003**	**0.2026**	**0.0534**	**1.3200e-003**	**0.0547**		**192.1903**	**192.1903**	**4.8400e-003**		**192.3114**

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					7.3267	0.0000	7.3267	3.4511	0.0000	3.4511			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**	**7.3267**	**1.6349**	**8.9616**	**3.4511**	**1.5041**	**4.9552**		**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	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	**0.0792**	**0.0495**	**0.6967**	**2.1400e-003**	**0.2236**	**1.6000e-003**	**0.2252**	**0.0593**	**1.4700e-003**	**0.0608**		**213.5448**	**213.5448**	**5.3800e-003**		**213.6794**

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					3.2970	0.0000	3.2970	1.5530	0.0000	1.5530			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**	**3.2970**	**1.6349**	**4.9319**	**1.5530**	**1.5041**	**3.0571**	**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	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	**0.0792**	**0.0495**	**0.6967**	**2.1400e-003**	**0.2236**	**1.6000e-003**	**0.2252**	**0.0593**	**1.4700e-003**	**0.0608**		**213.5448**	**213.5448**	**5.3800e-003**		**213.6794**

3.4 Grading - 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					
Fugitive Dust					7.3267	0.0000	7.3267	3.4511	0.0000	3.4511			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**7.3267**	**1.4245**	**8.7512**	**3.4511**	**1.3105**	**4.7616**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 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	0.0000	0.0000	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	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
Total	**0.0745**	**0.0448**	**0.6434**	**2.0600e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**205.5860**	**205.5860**	**4.8500e-003**		**205.7074**

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					3.2970	0.0000	3.2970	1.5530	0.0000	1.5530			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**3.2970**	**1.4245**	**4.7215**	**1.5530**	**1.3105**	**2.8635**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 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	0.0000	0.0000	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	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
Total	**0.0745**	**0.0448**	**0.6434**	**2.0600e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**205.5860**	**205.5860**	**4.8500e-003**		**205.7074**

3.4 Grading - 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					
Fugitive Dust					7.3267	0.0000	7.3267	3.4511	0.0000	3.4511			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**7.3267**	**1.3354**	**8.6621**	**3.4511**	**1.2286**	**4.6797**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Grading - 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	0.0000	0.0000	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	0.0705	0.0408	0.6010	1.9900e-003	0.2236	1.5400e-003	0.2251	0.0593	1.4100e-003	0.0607		198.8418	198.8418	4.4500e-003		198.9531
Total	**0.0705**	**0.0408**	**0.6010**	**1.9900e-003**	**0.2236**	**1.5400e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**198.8418**	**198.8418**	**4.4500e-003**		**198.9531**

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					3.2970	0.0000	3.2970	1.5530	0.0000	1.5530			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.2970**	**1.3354**	**4.6324**	**1.5530**	**1.2286**	**2.7816**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Grading - 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	0.0000	0.0000	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	0.0705	0.0408	0.6010	1.9900e-003	0.2236	1.5400e-003	0.2251	0.0593	1.4100e-003	0.0607		198.8418	198.8418	4.4500e-003		198.9531
Total	**0.0705**	**0.0408**	**0.6010**	**1.9900e-003**	**0.2236**	**1.5400e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**198.8418**	**198.8418**	**4.4500e-003**		**198.9531**

3.4 Grading - 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					
Fugitive Dust					7.3267	0.0000	7.3267	3.4511	0.0000	3.4511			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.3267**	**1.1309**	**8.4576**	**3.4511**	**1.0404**	**4.4915**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0669	0.0373	0.5586	1.9200e-003	0.2236	1.5100e-003	0.2251	0.0593	1.3900e-003	0.0607		191.0141	191.0141	4.0600e-003		191.1155
Total	**0.0669**	**0.0373**	**0.5586**	**1.9200e-003**	**0.2236**	**1.5100e-003**	**0.2251**	**0.0593**	**1.3900e-003**	**0.0607**		**191.0141**	**191.0141**	**4.0600e-003**		**191.1155**

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					3.2970	0.0000	3.2970	1.5530	0.0000	1.5530			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.2970**	**1.1309**	**4.4279**	**1.5530**	**1.0404**	**2.5934**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0669	0.0373	0.5586	1.9200e-003	0.2236	1.5100e-003	0.2251	0.0593	1.3900e-003	0.0607		191.0141	191.0141	4.0600e-003		191.1155
Total	**0.0669**	**0.0373**	**0.5586**	**1.9200e-003**	**0.2236**	**1.5100e-003**	**0.2251**	**0.0593**	**1.3900e-003**	**0.0607**		**191.0141**	**191.0141**	**4.0600e-003**		**191.1155**

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	1.7776	64.7683	17.4391	0.2318	6.1249	0.0718	6.1967	1.7633	0.0687	1.8319		24,827.9425	24,827.9425	1.2826		24,860.0084
Worker	15.2193	8.4813	127.0321	0.4356	50.8359	0.3427	51.1786	13.4819	0.3154	13.7973		43,436.6004	43,436.6004	0.9225		43,459.6624
Total	**16.9969**	**73.2496**	**144.4713**	**0.6674**	**56.9608**	**0.4145**	**57.3753**	**15.2452**	**0.3840**	**15.6292**		**68,264.5429**	**68,264.5429**	**2.2051**		**68,319.6709**

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	1.7776	64.7683	17.4391	0.2318	6.1249	0.0718	6.1967	1.7633	0.0687	1.8319		24,827.9425	24,827.9425	1.2826		24,860.0084
Worker	15.2193	8.4813	127.0321	0.4356	50.8359	0.3427	51.1786	13.4819	0.3154	13.7973		43,436.6004	43,436.6004	0.9225		43,459.6624
Total	**16.9969**	**73.2496**	**144.4713**	**0.6674**	**56.9608**	**0.4145**	**57.3753**	**15.2452**	**0.3840**	**15.6292**		**68,264.5429**	**68,264.5429**	**2.2051**		**68,319.6709**

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	1.7372	64.1657	17.0765	0.2304	6.1249	0.0706	6.1954	1.7633	0.0674	1.8307		24,691.9541	24,691.9541	1.2621		24,723.5069
Worker	14.5225	7.8087	118.8238	0.4201	50.8359	0.3313	51.1673	13.4819	0.3049	13.7869		41,898.5279	41,898.5279	0.8453		41,919.6610
Total	**16.2596**	**71.9744**	**135.9002**	**0.6505**	**56.9608**	**0.4019**	**57.3627**	**15.2452**	**0.3724**	**15.6176**		**66,590.4819**	**66,590.4819**	**2.1074**		**66,643.1679**

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	1.7372	64.1657	17.0765	0.2304	6.1249	0.0706	6.1954	1.7633	0.0674	1.8307		24,691.9541	24,691.9541	1.2621		24,723.5069
Worker	14.5225	7.8087	118.8238	0.4201	50.8359	0.3313	51.1673	13.4819	0.3049	13.7869		41,898.5279	41,898.5279	0.8453		41,919.6610
Total	**16.2596**	**71.9744**	**135.9002**	**0.6505**	**56.9608**	**0.4019**	**57.3627**	**15.2452**	**0.3724**	**15.6176**		**66,590.4819**	**66,590.4819**	**2.1074**		**66,643.1679**

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	1.7032	63.5856	16.7835	0.2291	6.1249	0.0694	6.1942	1.7633	0.0663	1.8296		24,570.9347	24,570.9347	1.2418		24,601.9807
Worker	13.8415	7.2035	111.5084	0.4064	50.8359	0.3133	51.1492	13.4819	0.2882	13.7701		40,543.5579	40,543.5579	0.7759		40,562.9545
Total	**15.5448**	**70.7892**	**128.2919**	**0.6356**	**56.9608**	**0.3826**	**57.3434**	**15.2452**	**0.3545**	**15.5997**		**65,114.4926**	**65,114.4926**	**2.0177**		**65,164.9351**

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	1.7032	63.5856	16.7835	0.2291	6.1249	0.0694	6.1942	1.7633	0.0663	1.8296		24,570.9347	24,570.9347	1.2418		24,601.9807
Worker	13.8415	7.2035	111.5084	0.4064	50.8359	0.3133	51.1492	13.4819	0.2882	13.7701		40,543.5579	40,543.5579	0.7759		40,562.9545
Total	**15.5448**	**70.7892**	**128.2919**	**0.6356**	**56.9608**	**0.3826**	**57.3434**	**15.2452**	**0.3545**	**15.5997**		**65,114.4926**	**65,114.4926**	**2.0177**		**65,164.9351**

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	1.6743	63.1045	16.5589	0.2281	6.1249	0.0684	6.1933	1.7633	0.0654	1.8287		24,467.7924	24,467.7924	1.2229		24,498.3637
Worker	13.1424	6.6606	105.0937	0.3944	50.8359	0.2902	51.1261	13.4819	0.2670	13.7489		39,351.2655	39,351.2655	0.7159		39,369.1639
Total	**14.8167**	**69.7652**	**121.6525**	**0.6225**	**56.9608**	**0.3586**	**57.3194**	**15.2452**	**0.3323**	**15.5776**		**63,819.0580**	**63,819.0580**	**1.9388**		**63,867.5276**

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	1.6743	63.1045	16.5589	0.2281	6.1249	0.0684	6.1933	1.7633	0.0654	1.8287		24,467.7924	24,467.7924	1.2229		24,498.3637
Worker	13.1424	6.6606	105.0937	0.3944	50.8359	0.2902	51.1261	13.4819	0.2670	13.7489		39,351.2655	39,351.2655	0.7159		39,369.1639
Total	**14.8167**	**69.7652**	**121.6525**	**0.6225**	**56.9608**	**0.3586**	**57.3194**	**15.2452**	**0.3323**	**15.5776**		**63,819.0580**	**63,819.0580**	**1.9388**		**63,867.5276**

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	1.6479	62.6342	16.3488	0.2271	6.1250	0.0673	6.1922	1.7633	0.0643	1.8276		24,376.1256	24,376.1256	1.2061		24,406.2778
Worker	12.3610	6.1368	98.7871	0.3838	50.8359	0.2696	51.1055	13.4819	0.2480	13.7300		38,295.1195	38,295.1195	0.6573		38,311.5517
Total	**14.0089**	**68.7710**	**115.1358**	**0.6109**	**56.9609**	**0.3369**	**57.2978**	**15.2452**	**0.3123**	**15.5576**		**62,671.2451**	**62,671.2451**	**1.8634**		**62,717.8295**

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	1.6479	62.6342	16.3488	0.2271	6.1250	0.0673	6.1922	1.7633	0.0643	1.8276		24,376.1256	24,376.1256	1.2061		24,406.2778
Worker	12.3610	6.1368	98.7871	0.3838	50.8359	0.2696	51.1055	13.4819	0.2480	13.7300		38,295.1195	38,295.1195	0.6573		38,311.5517
Total	**14.0089**	**68.7710**	**115.1358**	**0.6109**	**56.9609**	**0.3369**	**57.2978**	**15.2452**	**0.3123**	**15.5576**		**62,671.2451**	**62,671.2451**	**1.8634**		**62,717.8295**

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	1.6253	62.1830	16.1891	0.2263	6.1250	0.0662	6.1912	1.7633	0.0633	1.8266		24,294.2013	24,294.2013	1.1906		24,323.9671
Worker	11.5662	5.6419	92.9646	0.3744	50.8359	0.2510	51.0869	13.4819	0.2309	13.7128		37,359.0732	37,359.0732	0.6034		37,374.1570
Total	**13.1915**	**67.8249**	**109.1537**	**0.6007**	**56.9609**	**0.3172**	**57.2781**	**15.2453**	**0.2942**	**15.5394**		**61,653.2745**	**61,653.2745**	**1.7940**		**61,698.1241**

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	1.6253	62.1830	16.1891	0.2263	6.1250	0.0662	6.1912	1.7633	0.0633	1.8266		24,294.2013	24,294.2013	1.1906		24,323.9671
Worker	11.5662	5.6419	92.9646	0.3744	50.8359	0.2510	51.0869	13.4819	0.2309	13.7128		37,359.0732	37,359.0732	0.6034		37,374.1570
Total	**13.1915**	**67.8249**	**109.1537**	**0.6007**	**56.9609**	**0.3172**	**57.2781**	**15.2453**	**0.2942**	**15.5394**		**61,653.2745**	**61,653.2745**	**1.7940**		**61,698.1241**

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	1.6181	61.9455	16.1529	0.2260	6.1250	0.0654	6.1904	1.7633	0.0625	1.8259		24,270.0119	24,270.0119	1.1788		24,299.4807
Worker	10.7024	5.1562	87.5500	0.3666	50.8359	0.2348	51.0708	13.4819	0.2160	13.6979		36,594.5772	36,594.5772	0.5537		36,608.4206
Total	**12.3206**	**67.1017**	**103.7029**	**0.5927**	**56.9609**	**0.3003**	**57.2612**	**15.2453**	**0.2785**	**15.5238**		**60,864.5891**	**60,864.5891**	**1.7325**		**60,907.9013**

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	1.6181	61.9455	16.1529	0.2260	6.1250	0.0654	6.1904	1.7633	0.0625	1.8259		24,270.0119	24,270.0119	1.1788		24,299.4807
Worker	10.7024	5.1562	87.5500	0.3666	50.8359	0.2348	51.0708	13.4819	0.2160	13.6979		36,594.5772	36,594.5772	0.5537		36,608.4206
Total	**12.3206**	**67.1017**	**103.7029**	**0.5927**	**56.9609**	**0.3003**	**57.2612**	**15.2453**	**0.2785**	**15.5238**		**60,864.5891**	**60,864.5891**	**1.7325**		**60,907.9013**

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	1.6040	61.5583	16.0809	0.2255	6.1250	0.0646	6.1896	1.7633	0.0618	1.8251		24,222.0152	24,222.0152	1.1679		24,251.2129
Worker	9.9293	4.7319	82.4769	0.3593	50.8359	0.2190	51.0549	13.4819	0.2014	13.6833		35,865.0140	35,865.0140	0.5079		35,877.7102
Total	**11.5334**	**66.2902**	**98.5578**	**0.5848**	**56.9609**	**0.2836**	**57.2445**	**15.2453**	**0.2632**	**15.5084**		**60,087.0292**	**60,087.0292**	**1.6758**		**60,128.9231**

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	1.6040	61.5583	16.0809	0.2255	6.1250	0.0646	6.1896	1.7633	0.0618	1.8251		24,222.0152	24,222.0152	1.1679		24,251.2129
Worker	9.9293	4.7319	82.4769	0.3593	50.8359	0.2190	51.0549	13.4819	0.2014	13.6833		35,865.0140	35,865.0140	0.5079		35,877.7102
Total	**11.5334**	**66.2902**	**98.5578**	**0.5848**	**56.9609**	**0.2836**	**57.2445**	**15.2453**	**0.2632**	**15.5084**		**60,087.0292**	**60,087.0292**	**1.6758**		**60,128.9231**

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	1.5939	61.2085	16.0320	0.2251	6.1250	0.0639	6.1889	1.7633	0.0611	1.8244		24,185.0197	24,185.0197	1.1584		24,213.9802
Worker	9.2677	4.3723	78.1281	0.3528	50.8359	0.2046	51.0405	13.4819	0.1882	13.6701		35,228.3964	35,228.3964	0.4686		35,240.1118
Total	**10.8616**	**65.5809**	**94.1601**	**0.5780**	**56.9609**	**0.2685**	**57.2295**	**15.2453**	**0.2493**	**15.4945**		**59,413.4161**	**59,413.4161**	**1.6270**		**59,454.0920**

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	1.5939	61.2085	16.0320	0.2251	6.1250	0.0639	6.1889	1.7633	0.0611	1.8244		24,185.0197	24,185.0197	1.1584		24,213.9802
Worker	9.2677	4.3723	78.1281	0.3528	50.8359	0.2046	51.0405	13.4819	0.1882	13.6701		35,228.3964	35,228.3964	0.4686		35,240.1118
Total	**10.8616**	**65.5809**	**94.1601**	**0.5780**	**56.9609**	**0.2685**	**57.2295**	**15.2453**	**0.2493**	**15.4945**		**59,413.4161**	**59,413.4161**	**1.6270**		**59,454.0920**

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	1.5849	60.8938	15.9792	0.2249	6.1250	0.0632	6.1882	1.7633	0.0604	1.8237		24,157.3340	24,157.3340	1.1504		24,186.0935
Worker	8.7062	4.0709	73.9319	0.3472	50.8359	0.1911	51.0270	13.4819	0.1757	13.6577		34,671.4467	34,671.4467	0.4313		34,682.2289
Total	**10.2910**	**64.9647**	**89.9111**	**0.5721**	**56.9610**	**0.2542**	**57.2152**	**15.2453**	**0.2361**	**15.4814**		**58,828.7806**	**58,828.7806**	**1.5817**		**58,868.3224**

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	1.5849	60.8938	15.9792	0.2249	6.1250	0.0632	6.1882	1.7633	0.0604	1.8237		24,157.3340	24,157.3340	1.1504		24,186.0935
Worker	8.7062	4.0709	73.9319	0.3472	50.8359	0.1911	51.0270	13.4819	0.1757	13.6577		34,671.4467	34,671.4467	0.4313		34,682.2289
Total	**10.2910**	**64.9647**	**89.9111**	**0.5721**	**56.9610**	**0.2542**	**57.2152**	**15.2453**	**0.2361**	**15.4814**		**58,828.7806**	**58,828.7806**	**1.5817**		**58,868.3224**

3.5 Building Construction - 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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 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	1.5772	60.6401	15.9280	0.2246	6.1251	0.0626	6.1877	1.7634	0.0598	1.8232		24,136.0670	24,136.0670	1.1433		24,164.6498
Worker	8.2380	3.8496	70.4626	0.3424	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		34,194.7542	34,194.7542	0.4007		34,204.7723
Total	**9.8151**	**64.4898**	**86.3906**	**0.5670**	**56.9610**	**0.2416**	**57.2026**	**15.2453**	**0.2245**	**15.4698**		**58,330.8212**	**58,330.8212**	**1.5440**		**58,369.4221**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 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	1.5772	60.6401	15.9280	0.2246	6.1251	0.0626	6.1877	1.7634	0.0598	1.8232		24,136.0670	24,136.0670	1.1433		24,164.6498
Worker	8.2380	3.8496	70.4626	0.3424	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		34,194.7542	34,194.7542	0.4007		34,204.7723
Total	**9.8151**	**64.4898**	**86.3906**	**0.5670**	**56.9610**	**0.2416**	**57.2026**	**15.2453**	**0.2245**	**15.4698**		**58,330.8212**	**58,330.8212**	**1.5440**		**58,369.4221**

3.5 Building Construction - 2036

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2036

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	1.5772	60.6401	15.9280	0.2246	6.1251	0.0626	6.1877	1.7634	0.0598	1.8232		24,136.0670	24,136.0670	1.1433		24,164.6498
Worker	8.2380	3.8496	70.4626	0.3424	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		34,194.7542	34,194.7542	0.4007		34,204.7723
Total	**9.8151**	**64.4898**	**86.3906**	**0.5670**	**56.9610**	**0.2416**	**57.2026**	**15.2453**	**0.2245**	**15.4698**		**58,330.8212**	**58,330.8212**	**1.5440**		**58,369.4221**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2036

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	1.5772	60.6401	15.9280	0.2246	6.1251	0.0626	6.1877	1.7634	0.0598	1.8232		24,136.0670	24,136.0670	1.1433		24,164.6498
Worker	8.2380	3.8496	70.4626	0.3424	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		34,194.7542	34,194.7542	0.4007		34,204.7723
Total	**9.8151**	**64.4898**	**86.3906**	**0.5670**	**56.9610**	**0.2416**	**57.2026**	**15.2453**	**0.2245**	**15.4698**		**58,330.8212**	**58,330.8212**	**1.5440**		**58,369.4221**

3.5 Building Construction - 2037

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2037

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	1.5772	60.6401	15.9280	0.2246	6.1251	0.0626	6.1877	1.7634	0.0598	1.8232		24,136.0670	24,136.0670	1.1433		24,164.6498
Worker	8.2380	3.8496	70.4626	0.3424	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		34,194.7542	34,194.7542	0.4007		34,204.7723
Total	**9.8151**	**64.4898**	**86.3906**	**0.5670**	**56.9610**	**0.2416**	**57.2026**	**15.2453**	**0.2245**	**15.4698**		**58,330.8212**	**58,330.8212**	**1.5440**		**58,369.4221**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2037

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	1.5772	60.6401	15.9280	0.2246	6.1251	0.0626	6.1877	1.7634	0.0598	1.8232		24,136.0670	24,136.0670	1.1433		24,164.6498
Worker	8.2380	3.8496	70.4626	0.3424	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		34,194.7542	34,194.7542	0.4007		34,204.7723
Total	**9.8151**	**64.4898**	**86.3906**	**0.5670**	**56.9610**	**0.2416**	**57.2026**	**15.2453**	**0.2245**	**15.4698**		**58,330.8212**	**58,330.8212**	**1.5440**		**58,369.4221**

3.5 Building Construction - 2038

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2038

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	1.5772	60.6401	15.9280	0.2246	6.1251	0.0626	6.1877	1.7634	0.0598	1.8232		24,136.0670	24,136.0670	1.1433		24,164.6498
Worker	8.2380	3.8496	70.4626	0.3424	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		34,194.7542	34,194.7542	0.4007		34,204.7723
Total	**9.8151**	**64.4898**	**86.3906**	**0.5670**	**56.9610**	**0.2416**	**57.2026**	**15.2453**	**0.2245**	**15.4698**		**58,330.8212**	**58,330.8212**	**1.5440**		**58,369.4221**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2038

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	1.5772	60.6401	15.9280	0.2246	6.1251	0.0626	6.1877	1.7634	0.0598	1.8232		24,136.0670	24,136.0670	1.1433		24,164.6498
Worker	8.2380	3.8496	70.4626	0.3424	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		34,194.7542	34,194.7542	0.4007		34,204.7723
Total	**9.8151**	**64.4898**	**86.3906**	**0.5670**	**56.9610**	**0.2416**	**57.2026**	**15.2453**	**0.2245**	**15.4698**		**58,330.8212**	**58,330.8212**	**1.5440**		**58,369.4221**

3.6 Architectural Coating - 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					
Archit. Coating	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	1.9867	0.9468	16.5026	0.0719	10.1717	0.0438	10.2155	2.6976	0.0403	2.7379		7,176.1572	7,176.1572	0.1016		7,178.6975
Total	**1.9867**	**0.9468**	**16.5026**	**0.0719**	**10.1717**	**0.0438**	**10.2155**	**2.6976**	**0.0403**	**2.7379**		**7,176.1572**	**7,176.1572**	**0.1016**		**7,178.6975**

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	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	1.9867	0.9468	16.5026	0.0719	10.1717	0.0438	10.2155	2.6976	0.0403	2.7379		7,176.1572	7,176.1572	0.1016		7,178.6975
Total	**1.9867**	**0.9468**	**16.5026**	**0.0719**	**10.1717**	**0.0438**	**10.2155**	**2.6976**	**0.0403**	**2.7379**		**7,176.1572**	**7,176.1572**	**0.1016**		**7,178.6975**

3.6 Architectural Coating - 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					
Archit. Coating	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	1.8544	0.8749	15.6325	0.0706	10.1717	0.0409	10.2126	2.6976	0.0377	2.7352		7,048.7776	7,048.7776	0.0938		7,051.1218
Total	**1.8544**	**0.8749**	**15.6325**	**0.0706**	**10.1717**	**0.0409**	**10.2126**	**2.6976**	**0.0377**	**2.7352**		**7,048.7776**	**7,048.7776**	**0.0938**		**7,051.1218**

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	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	1.8544	0.8749	15.6325	0.0706	10.1717	0.0409	10.2126	2.6976	0.0377	2.7352		7,048.7776	7,048.7776	0.0938		7,051.1218
Total	**1.8544**	**0.8749**	**15.6325**	**0.0706**	**10.1717**	**0.0409**	**10.2126**	**2.6976**	**0.0377**	**2.7352**		**7,048.7776**	**7,048.7776**	**0.0938**		**7,051.1218**

3.6 Architectural Coating - 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					
Archit. Coating	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	1.7420	0.8145	14.7929	0.0695	10.1717	0.0382	10.2099	2.6976	0.0352	2.7327		6,937.3387	6,937.3387	0.0863		6,939.4961
Total	**1.7420**	**0.8145**	**14.7929**	**0.0695**	**10.1717**	**0.0382**	**10.2099**	**2.6976**	**0.0352**	**2.7327**		**6,937.3387**	**6,937.3387**	**0.0863**		**6,939.4961**

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	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	1.7420	0.8145	14.7929	0.0695	10.1717	0.0382	10.2099	2.6976	0.0352	2.7327		6,937.3387	6,937.3387	0.0863		6,939.4961
Total	**1.7420**	**0.8145**	**14.7929**	**0.0695**	**10.1717**	**0.0382**	**10.2099**	**2.6976**	**0.0352**	**2.7327**		**6,937.3387**	**6,937.3387**	**0.0863**		**6,939.4961**

3.6 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	20.0665					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	**20.1843**	**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**

3.6 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	1.6483	0.7703	14.0987	0.0685	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,841.9583	6,841.9583	0.0802		6,843.9628
Total	**1.6483**	**0.7703**	**14.0987**	**0.0685**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,841.9583**	**6,841.9583**	**0.0802**		**6,843.9628**

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	20.0665					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	**20.1843**	**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**

3.6 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	1.6483	0.7703	14.0987	0.0685	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,841.9583	6,841.9583	0.0802		6,843.9628
Total	**1.6483**	**0.7703**	**14.0987**	**0.0685**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,841.9583**	**6,841.9583**	**0.0802**		**6,843.9628**

3.6 Architectural Coating - 2036

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2036

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	1.6483	0.7703	14.0987	0.0685	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,841.9583	6,841.9583	0.0802		6,843.9628
Total	**1.6483**	**0.7703**	**14.0987**	**0.0685**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,841.9583**	**6,841.9583**	**0.0802**		**6,843.9628**

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2036

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	1.6483	0.7703	14.0987	0.0685	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,841.9583	6,841.9583	0.0802		6,843.9628
Total	**1.6483**	**0.7703**	**14.0987**	**0.0685**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,841.9583**	**6,841.9583**	**0.0802**		**6,843.9628**

3.6 Architectural Coating - 2037

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2037

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	1.6483	0.7703	14.0987	0.0685	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,841.9583	6,841.9583	0.0802		6,843.9628
Total	**1.6483**	**0.7703**	**14.0987**	**0.0685**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,841.9583**	**6,841.9583**	**0.0802**		**6,843.9628**

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2037

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	1.6483	0.7703	14.0987	0.0685	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,841.9583	6,841.9583	0.0802		6,843.9628
Total	**1.6483**	**0.7703**	**14.0987**	**0.0685**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,841.9583**	**6,841.9583**	**0.0802**		**6,843.9628**

3.6 Architectural Coating - 2038

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2038

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	1.6483	0.7703	14.0987	0.0685	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,841.9583	6,841.9583	0.0802		6,843.9628
Total	**1.6483**	**0.7703**	**14.0987**	**0.0685**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,841.9583**	**6,841.9583**	**0.0802**		**6,843.9628**

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2038

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	1.6483	0.7703	14.0987	0.0685	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,841.9583	6,841.9583	0.0802		6,843.9628
Total	**1.6483**	**0.7703**	**14.0987**	**0.0685**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,841.9583**	**6,841.9583**	**0.0802**		**6,843.9628**

3.7 Paving - 2038

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	0.3252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4657**	**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**

3.7 Paving - 2038

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

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	0.3252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4657**	**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**

3.7 Paving - 2038

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

3.7 Paving - 2039

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	0.3252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4657**	**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**

3.7 Paving - 2039

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

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	0.3252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4657**	**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**

3.7 Paving - 2039

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	0.0272	0.0127	0.2324	1.1300e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		112.7795	112.7795	1.3200e-003		112.8126
Total	**0.0272**	**0.0127**	**0.2324**	**1.1300e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**112.7795**	**112.7795**	**1.3200e-003**		**112.8126**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	33.4947	234.0143	386.5559	2.1977	229.4246	0.8693	230.2939	61.3658	0.8088	62.1747		226,346.4517	226,346.4517	8.3071		226,554.1291
Unmitigated	37.8981	254.4106	488.2519	2.8276	302.8867	1.1111	303.9978	81.0153	1.0341	82.0494		290,937.3447	290,937.3447	10.2939		291,194.6923

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	26,128.32	30,691.17	28145.58	92,440,651	70,020,096
Government (Civic Center)	929.45	293.48	438.60	2,373,140	1,797,559
City Park	0.41	40.38	45.11	35,990	27,261
City Park	0.01	1.45	1.62	1,293	979
General Office Building	2,134.91	539.21	230.15	5,266,587	3,989,229
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	4,921.09	6,514.09	3290.29	10,631,869	8,053,216
Regional Shopping Center	3,273.30	4,332.90	2188.56	7,071,873	5,356,661
Library	90.30	1,501.24	822.05	1,000,782	758,052
Place of Worship	224.14	193.18	891.07	671,808	508,868
Total	37,701.93	44,107.08	36,053.03	119,493,993	90,511,920

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Government (Civic Center)	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
City Park	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
General Office Building	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Other Asphalt Surfaces	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Regional Shopping Center	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Library	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Place of Worship	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.4303	12.2895	5.6906	0.0780		0.9882	0.9882		0.9882	0.9882		15,603.5075	15,603.5075	0.2991	0.2861	15,696.2314
NaturalGas Unmitigated	1.4303	12.2895	5.6906	0.0780		0.9882	0.9882		0.9882	0.9882		15,603.5075	15,603.5075	0.2991	0.2861	15,696.2314

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	121285	1.3080	11.1772	4.7563	0.0713		0.9037	0.9037		0.9037	0.9037		14,268.8035	14,268.8035	0.2735	0.2616	14,353.5959
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
General Office Building	6251.36	0.0674	0.6129	0.5148	3.6800e-003		0.0466	0.0466		0.0466	0.0466		735.4543	735.4543	0.0141	0.0135	739.8248
Government (Civic Center)	919.788	9.9200e-003	0.0902	0.0758	5.4000e-004		6.8500e-003	6.8500e-003		6.8500e-003	6.8500e-003		108.2103	108.2103	2.0700e-003	1.9800e-003	108.8534
Library	1599.25	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	1599.25	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Regional Shopping Center	389.601	4.2000e-003	0.0382	0.0321	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003		45.8354	45.8354	8.8000e-004	8.4000e-004	46.1078
Regional Shopping Center	585.741	6.3200e-003	0.0574	0.0482	3.4000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003		68.9107	68.9107	1.3200e-003	1.2600e-003	69.3202
Total		**1.4303**	**12.2895**	**5.6906**	**0.0780**		**0.9882**	**0.9882**		**0.9882**	**0.9882**		**15,603.5075**	**15,603.5075**	**0.2991**	**0.2861**	**15,696.2314**

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	121.285	1.3080	11.1772	4.7563	0.0713		0.9037	0.9037		0.9037	0.9037		14,268.8035	14,268.8035	0.2735	0.2616	14,353.5959
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
General Office Building	6.25136	0.0674	0.6129	0.5148	3.6800e-003		0.0466	0.0466		0.0466	0.0466		735.4543	735.4543	0.0141	0.0135	739.8248
Government (Civic Center)	0.919788	9.9200e-003	0.0902	0.0758	5.4000e-004		6.8500e-003	6.8500e-003		6.8500e-003	6.8500e-003		108.2103	108.2103	2.0700e-003	1.9800e-003	108.8534
Library	1.59925	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	1.59925	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Regional Shopping Center	0.389601	4.2000e-003	0.0382	0.0321	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003		45.8354	45.8354	8.8000e-004	8.4000e-004	46.1078
Regional Shopping Center	0.585741	6.3200e-003	0.0574	0.0482	3.4000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003		68.9107	68.9107	1.3200e-003	1.2600e-003	69.3202
Total		**1.4303**	**12.2895**	**5.6906**	**0.0780**		**0.9882**	**0.9882**		**0.9882**	**0.9882**		**15,603.5075**	**15,603.5075**	**0.2991**	**0.2861**	**15,696.2314**

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	126.9481	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977	0.0000	713.6243	713.6243	0.6795	0.0000	730.6108
Unmitigated	126.9481	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977	0.0000	713.6243	713.6243	0.6795	0.0000	730.6108

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	9.0052					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	106.1380					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	11.8050	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977		713.6243	713.6243	0.6795		730.6108
Total	**126.9481**	**4.5542**	**394.5720**	**0.0209**		**2.1977**	**2.1977**		**2.1977**	**2.1977**	**0.0000**	**713.6243**	**713.6243**	**0.6795**	**0.0000**	**730.6108**

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	9.0052					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	106.1380					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	11.8050	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977		713.6243	713.6243	0.6795		730.6108
Total	**126.9481**	**4.5542**	**394.5720**	**0.0209**		**2.1977**	**2.1977**		**2.1977**	**2.1977**	**0.0000**	**713.6243**	**713.6243**	**0.6795**	**0.0000**	**730.6108**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	219.19	1000sqft	0.00	219,188.00	0
Other Asphalt Surfaces	28.55	Acre	28.55	1,243,638.00	0
City Park	20.60	Acre	17.64	897,336.00	0
Apartments Mid Rise	4,803.00	Dwelling Unit	52.03	4,802,826.00	13737
Regional Shopping Center	130.36	1000sqft	0.00	130,363.00	0
Regional Shopping Center	86.71	1000sqft	4.82	86,710.00	0
City Park	0.74	Acre	0.74	32,250.00	0
Place of Worship	32.25	1000sqft	0.74	32,250.00	0
Library	32.25	1000sqft	0.74	32,250.00	0
Government (Civic Center)	32.25	1000sqft	0.74	32,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Based on project plans dated August 2019; Library land use substitute for Museum and Gov Civic Center for Community Center

Construction Phase - Construction schedule phases extended to be consistent with 20 year period

Trips and VMT -

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated September 2019 plus ITE 10th Ed rates

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	200.00	400.00
tblConstructionPhase	NumDays	120.00	250.00
tblConstructionPhase	NumDays	310.00	630.00
tblConstructionPhase	NumDays	3,100.00	3,490.00
tblConstructionPhase	NumDays	220.00	1,638.00
tblConstructionPhase	NumDays	220.00	230.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberNoFireplace	480.30	0.00
tblFireplaces	NumberWood	240.15	0.00
tblGrading	AcresOfGrading	1,575.00	775.00
tblLandUse	LandUseSquareFeet	219,190.00	219,188.00
tblLandUse	LandUseSquareFeet	4,803,000.00	4,802,826.00
tblLandUse	LandUseSquareFeet	130,360.00	130,363.00
tblLandUse	LandUseSquareFeet	32,234.40	32,250.00
tblLandUse	LotAcreage	5.03	0.00
tblLandUse	LotAcreage	20.60	17.64
tblLandUse	LotAcreage	126.39	52.03
tblLandUse	LotAcreage	2.99	0.00
tblLandUse	LotAcreage	1.99	4.82
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	0.00	9.10
tblVehicleTrips	ST_TR	22.75	1.96
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	0.00	13.60
tblVehicleTrips	SU_TR	16.74	2.19
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	27.92	28.82
tblVehicleTrips	WD_TR	1.89	0.02
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	56.24	2.80

tblVehicleTrips	WD_TR	9.11	6.95
tblWoodstoves	NumberCatalytic	240.15	0.00
tblWoodstoves	NumberNoncatalytic	240.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.4661	36.0714	22.9018	0.0482	2.7772	1.6691	4.4463	0.4818	1.5517	2.0336	0.0000	4,750.2901	4,750.2901	1.1226	0.0000	4,778.3555
2021	3.9712	40.5510	22.6611	0.0481	18.2675	2.0459	20.3134	9.9840	1.8823	11.8663	0.0000	4,736.4205	4,736.4205	1.1970	0.0000	4,764.3725
2022	3.7116	38.8976	29.6665	0.0641	18.2675	1.6365	19.8815	9.9840	1.5056	11.4689	0.0000	6,211.1178	6,211.1178	1.9492	0.0000	6,259.8485
2023	3.4035	34.5646	28.6272	0.0640	7.5502	1.4261	8.9763	3.5104	1.3120	4.8223	0.0000	6,203.7370	6,203.7370	1.9488	0.0000	6,252.4558
2024	3.2958	32.4216	28.2598	0.0639	7.5502	1.3369	8.8872	3.5104	1.2300	4.7404	0.0000	6,195.6732	6,195.6732	1.9478	0.0000	6,244.3684
2025	20.0602	86.1121	148.6387	0.6595	56.9608	1.1324	57.9057	15.2452	1.0418	16.1282	0.0000	67,296.0955	67,296.0955	2.8216	0.0000	67,366.6365
2026	19.2967	84.7726	140.7974	0.6436	56.9608	0.9320	57.8928	15.2452	0.8711	16.1163	0.0000	65,727.8481	65,727.8481	2.7263	0.0000	65,796.0061
2027	18.5477	83.5261	133.8393	0.6297	56.9608	0.9124	57.8733	15.2452	0.8529	16.0982	0.0000	64,342.9620	64,342.9620	2.6385	0.0000	64,408.9245
2028	17.7704	82.4510	127.7739	0.6174	56.9608	0.8882	57.8490	15.2452	0.8306	16.0758	0.0000	63,127.0955	63,127.0955	2.5611	0.0000	63,191.1235

Compton Hub City Specific Plan - South Coast AQMD Air District, 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					
2029	16.8976	81.4053	121.8066	0.6065	56.9609	0.8663	57.8271	15.2452	0.8103	16.0555	0.0000	62,048.0978	62,048.0978	2.4874	0.0000	62,110.2820
2030	15.9488	75.8732	116.4009	0.6009	56.9609	0.4669	57.4278	15.2453	0.4438	15.6891	0.0000	61,430.7288	61,430.7288	1.9348	0.0000	61,479.0998
2031	14.9890	75.1073	111.3625	0.5933	56.9609	0.4498	57.4108	15.2453	0.4280	15.6733	0.0000	60,684.1153	60,684.1153	1.8746	0.0000	60,730.9803
2032	36.5467	76.1372	123.0302	0.6559	67.1326	0.4971	67.6297	17.9428	0.4731	18.4160	0.0000	66,934.0001	66,934.0001	1.9245	0.0000	66,982.1139
2033	35.6630	75.3086	118.2292	0.6483	67.1326	0.4791	67.6117	17.9428	0.4565	18.3993	0.0000	66,176.7488	66,176.7488	1.8698	0.0000	66,223.4949
2034	34.9161	74.5920	113.5983	0.6416	67.1326	0.4620	67.5946	17.9428	0.4407	18.3836	0.0000	65,517.8077	65,517.8077	1.8190	0.0000	65,563.2816
2035	34.1909	73.1716	109.7261	0.6360	67.1326	0.3787	67.5114	17.9429	0.3587	18.3015	0.0000	64,955.8875	64,955.8875	1.7676	0.0000	65,000.0762
2036	34.1909	73.1716	109.7261	0.6360	67.1326	0.3787	67.5114	17.9429	0.3587	18.3015	0.0000	64,955.8875	64,955.8875	1.7676	0.0000	65,000.0762
2037	34.1909	73.1716	109.7261	0.6360	67.1326	0.3787	67.5114	17.9429	0.3587	18.3015	0.0000	64,955.8875	64,955.8875	1.7676	0.0000	65,000.0762
2038	34.1909	73.1716	109.7261	0.6360	67.1326	0.3787	67.5114	17.9429	0.3587	18.3015	0.0000	64,955.8875	64,955.8875	1.7676	0.0000	65,000.0762
2039	1.4963	4.8899	16.0245	0.0291	0.1677	0.1880	0.3557	0.0445	0.1879	0.2324	0.0000	2,761.8080	2,761.8080	0.1035	0.0000	2,764.3943
Maximum	**36.5467**	**86.1121**	**148.6387**	**0.6595**	**67.1326**	**2.0459**	**67.6297**	**17.9429**	**1.8823**	**18.4160**	**0.0000**	**67,296.0955**	**67,296.0955**	**2.8216**	**0.0000**	**67,366.6365**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Compton Hub City Specific Plan - South Coast AQMD Air District, 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	3.4661	36.0714	22.9018	0.0482	1.5592	1.6691	3.2283	0.2974	1.5517	1.8492	0.0000	4,750.2901	4,750.2901	1.1226	0.0000	4,778.3555
2021	3.9712	40.5510	22.6611	0.0481	8.3310	2.0459	10.3770	4.5222	1.8823	6.4044	0.0000	4,736.4205	4,736.4205	1.1970	0.0000	4,764.3725
2022	3.7116	38.8976	29.6665	0.0641	8.3310	1.6365	9.9450	4.5222	1.5056	6.0071	0.0000	6,211.1178	6,211.1178	1.9492	0.0000	6,259.8485
2023	3.4035	34.5646	28.6272	0.0640	3.5206	1.4261	4.9466	1.6123	1.3120	2.9242	0.0000	6,203.7370	6,203.7370	1.9488	0.0000	6,252.4558
2024	3.2958	32.4216	28.2598	0.0639	3.5206	1.3369	4.8575	1.6123	1.2300	2.8423	0.0000	6,195.6732	6,195.6732	1.9478	0.0000	6,244.3684
2025	20.0602	86.1121	148.6387	0.6595	56.9608	1.1324	57.9057	15.2452	1.0418	16.1282	0.0000	67,296.0955	67,296.0955	2.8216	0.0000	67,366.6365
2026	19.2967	84.7726	140.7974	0.6436	56.9608	0.9320	57.8928	15.2452	0.8711	16.1163	0.0000	65,727.8481	65,727.8481	2.7263	0.0000	65,796.0061
2027	18.5477	83.5261	133.8393	0.6297	56.9608	0.9124	57.8733	15.2452	0.8529	16.0982	0.0000	64,342.9620	64,342.9620	2.6385	0.0000	64,408.9245
2028	17.7704	82.4510	127.7739	0.6174	56.9608	0.8882	57.8490	15.2452	0.8306	16.0758	0.0000	63,127.0955	63,127.0955	2.5611	0.0000	63,191.1235
2029	16.8976	81.4053	121.8066	0.6065	56.9609	0.8663	57.8271	15.2452	0.8103	16.0555	0.0000	62,048.0978	62,048.0978	2.4874	0.0000	62,110.2820
2030	15.9488	75.8732	116.4009	0.6009	56.9609	0.4669	57.4278	15.2453	0.4438	15.6891	0.0000	61,430.7288	61,430.7288	1.9348	0.0000	61,479.0998
2031	14.9890	75.1073	111.3625	0.5933	56.9609	0.4498	57.4108	15.2453	0.4280	15.6733	0.0000	60,684.1153	60,684.1153	1.8746	0.0000	60,730.9803
2032	36.5467	76.1372	123.0302	0.6559	67.1326	0.4971	67.6297	17.9428	0.4731	18.4160	0.0000	66,934.0001	66,934.0001	1.9245	0.0000	66,982.1138
2033	35.6630	75.3086	118.2292	0.6483	67.1326	0.4791	67.6117	17.9428	0.4565	18.3993	0.0000	66,176.7488	66,176.7488	1.8698	0.0000	66,223.4949
2034	34.9161	74.5920	113.5983	0.6416	67.1326	0.4620	67.5946	17.9428	0.4407	18.3836	0.0000	65,517.8077	65,517.8077	1.8190	0.0000	65,563.2816
2035	34.1909	73.1716	109.7261	0.6360	67.1326	0.3787	67.5114	17.9429	0.3587	18.3015	0.0000	64,955.8875	64,955.8875	1.7676	0.0000	65,000.0762
2036	34.1909	73.1716	109.7261	0.6360	67.1326	0.3787	67.5114	17.9429	0.3587	18.3015	0.0000	64,955.8875	64,955.8875	1.7676	0.0000	65,000.0762
2037	34.1909	73.1716	109.7261	0.6360	67.1326	0.3787	67.5114	17.9429	0.3587	18.3015	0.0000	64,955.8875	64,955.8875	1.7676	0.0000	65,000.0762

Compton Hub City Specific Plan - South Coast AQMD Air District, 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					
2038	34.1909	73.1716	109.7261	0.6360	67.1326	0.3787	67.5114	17.9429	0.3587	18.3015	0.0000	64,955.8875	64,955.8875	1.7676	0.0000	65,000.0762
2039	1.4963	4.8899	16.0245	0.0291	0.1677	0.1880	0.3557	0.0445	0.1879	0.2324	0.0000	2,761.8080	2,761.8080	0.1035	0.0000	2,764.3943
Maximum	**36.5467**	**86.1121**	**148.6387**	**0.6595**	**67.1326**	**2.0459**	**67.6297**	**17.9429**	**1.8823**	**18.4160**	**0.0000**	**67,296.0955**	**67,296.0955**	**2.8216**	**0.0000**	**67,366.6365**

	ROG	NOx	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**	**3.16**	**0.00**	**3.10**	**5.74**	**0.00**	**5.41**	**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	126.9481	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977	0.0000	713.6243	713.6243	0.6795	0.0000	730.6108
Energy	1.4303	12.2895	5.6906	0.0780		0.9882	0.9882		0.9882	0.9882		15,603.5075	15,603.5075	0.2991	0.2861	15,696.2314
Mobile	36.0361	255.0969	457.8423	2.6822	302.8867	1.1140	304.0007	81.0153	1.0369	82.0522		276,221.8935	276,221.8935	10.4484		276,483.1027
Total	**164.4145**	**271.9406**	**858.1049**	**2.7811**	**302.8867**	**4.2999**	**307.1866**	**81.0153**	**4.2228**	**85.2381**	**0.0000**	**292,539.0253**	**292,539.0253**	**11.4269**	**0.2861**	**292,909.9449**

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	126.9481	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977	0.0000	713.6243	713.6243	0.6795	0.0000	730.6108
Energy	1.4303	12.2895	5.6906	0.0780		0.9882	0.9882		0.9882	0.9882		15,603.5075	15,603.5075	0.2991	0.2861	15,696.2314
Mobile	31.6789	233.5891	366.5492	2.0816	229.4246	0.8722	230.2968	61.3658	0.8116	62.1775		214,544.8825	214,544.8825	8.4887		214,757.0988
Total	**160.0574**	**250.4328**	**766.8117**	**2.1805**	**229.4246**	**4.0581**	**233.4827**	**61.3658**	**3.9975**	**65.3633**	**0.0000**	**230,862.0143**	**230,862.0143**	**9.4672**	**0.2861**	**231,183.9410**

	ROG	NOx	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	**2.65**	**7.91**	**10.64**	**21.60**	**24.25**	**5.62**	**23.99**	**24.25**	**5.34**	**23.32**	**0.00**	**21.08**	**21.08**	**17.15**	**0.00**	**21.07**

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	6/1/2020	12/10/2021	5	400	
2	Site Preparation	Site Preparation	12/11/2021	11/25/2022	5	250	
3	Grading	Grading	11/26/2022	4/25/2025	5	630	
4	Building Construction	Building Construction	4/26/2025	9/10/2038	5	3490	
5	Architectural Coating	Architectural Coating	6/2/2032	9/10/2038	5	1638	
6	Paving	Paving	9/11/2038	7/29/2039	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 28.55

Residential Indoor: 9,725,723; Residential Outdoor: 3,241,908; Non-Residential Indoor: 799,517; Non-Residential Outdoor: 266,506; Striped Parking Area: 74,618 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan - South Coast AQMD Air District, 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	4,093.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4,548.00	957.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	910.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					2.2147	0.0000	2.2147	0.3353	0.0000	0.3353			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**	**2.2147**	**1.6587**	**3.8734**	**0.3353**	**1.5419**	**1.8772**		**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	0.0800	2.8204	0.5965	7.7900e-003	0.3949	9.1100e-003	0.4040	0.1021	8.7200e-003	0.1108		842.0304	842.0304	0.0601		843.5320
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	0.0740	0.0500	0.5521	1.6100e-003	0.1677	1.2700e-003	0.1689	0.0445	1.1700e-003	0.0456		160.5547	160.5547	4.6000e-003		160.6699
Total	**0.1540**	**2.8704**	**1.1486**	**9.4000e-003**	**0.5626**	**0.0104**	**0.5730**	**0.1465**	**9.8900e-003**	**0.1564**		**1,002.5852**	**1,002.5852**	**0.0647**		**1,004.2019**

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					0.9966	0.0000	0.9966	0.1509	0.0000	0.1509			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**	**0.9966**	**1.6587**	**2.6553**	**0.1509**	**1.5419**	**1.6927**	**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	0.0800	2.8204	0.5965	7.7900e-003	0.3949	9.1100e-003	0.4040	0.1021	8.7200e-003	0.1108		842.0304	842.0304	0.0601		843.5320
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	0.0740	0.0500	0.5521	1.6100e-003	0.1677	1.2700e-003	0.1689	0.0445	1.1700e-003	0.0456		160.5547	160.5547	4.6000e-003		160.6699
Total	**0.1540**	**2.8704**	**1.1486**	**9.4000e-003**	**0.5626**	**0.0104**	**0.5730**	**0.1465**	**9.8900e-003**	**0.1564**		**1,002.5852**	**1,002.5852**	**0.0647**		**1,004.2019**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2147	0.0000	2.2147	0.3353	0.0000	0.3353			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**2.2147**	**1.5513**	**3.7660**	**0.3353**	**1.4411**	**1.7764**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 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	0.0764	2.6195	0.5883	7.7000e-003	0.2635	8.1500e-003	0.2716	0.0698	7.7900e-003	0.0776		833.1254	833.1254	0.0590		834.6009
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	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.1455**	**2.6644**	**1.0961**	**9.2600e-003**	**0.4312**	**9.3800e-003**	**0.4405**	**0.1143**	**8.9300e-003**	**0.1232**		**988.4755**	**988.4755**	**0.0632**		**990.0552**

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					0.9966	0.0000	0.9966	0.1509	0.0000	0.1509			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.9966**	**1.5513**	**2.5479**	**0.1509**	**1.4411**	**1.5920**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 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	0.0764	2.6195	0.5883	7.7000e-003	0.2635	8.1500e-003	0.2716	0.0698	7.7900e-003	0.0776		833.1254	833.1254	0.0590		834.6009
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	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.1455**	**2.6644**	**1.0961**	**9.2600e-003**	**0.4312**	**9.3800e-003**	**0.4405**	**0.1143**	**8.9300e-003**	**0.1232**		**988.4755**	**988.4755**	**0.0632**		**990.0552**

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	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451
Total	**0.0830**	**0.0539**	**0.6094**	**1.8700e-003**	**0.2012**	**1.4800e-003**	**0.2027**	**0.0534**	**1.3600e-003**	**0.0547**		**186.4202**	**186.4202**	**5.0000e-003**		**186.5451**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			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**	**8.1298**	**2.0445**	**10.1743**	**4.4688**	**1.8809**	**6.3497**	**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	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451
Total	**0.0830**	**0.0539**	**0.6094**	**1.8700e-003**	**0.2012**	**1.4800e-003**	**0.2027**	**0.0534**	**1.3600e-003**	**0.0547**		**186.4202**	**186.4202**	**5.0000e-003**		**186.5451**

3.3 Site Preparation - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.3 Site Preparation - 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	0.0781	0.0487	0.5625	1.8000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		179.7366	179.7366	4.5100e-003		179.8494
Total	**0.0781**	**0.0487**	**0.5625**	**1.8000e-003**	**0.2012**	**1.4400e-003**	**0.2026**	**0.0534**	**1.3200e-003**	**0.0547**		**179.7366**	**179.7366**	**4.5100e-003**		**179.8494**

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**8.1298**	**1.6126**	**9.7424**	**4.4688**	**1.4836**	**5.9524**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

3.3 Site Preparation - 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	0.0781	0.0487	0.5625	1.8000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		179.7366	179.7366	4.5100e-003		179.8494
Total	**0.0781**	**0.0487**	**0.5625**	**1.8000e-003**	**0.2012**	**1.4400e-003**	**0.2026**	**0.0534**	**1.3200e-003**	**0.0547**		**179.7366**	**179.7366**	**4.5100e-003**		**179.8494**

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					7.3267	0.0000	7.3267	3.4511	0.0000	3.4511			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**	**7.3267**	**1.6349**	**8.9616**	**3.4511**	**1.5041**	**4.9552**		**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	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	**0.0868**	**0.0541**	**0.6250**	**2.0000e-003**	**0.2236**	**1.6000e-003**	**0.2252**	**0.0593**	**1.4700e-003**	**0.0608**		**199.7073**	**199.7073**	**5.0100e-003**		**199.8326**

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					3.2970	0.0000	3.2970	1.5530	0.0000	1.5530			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**	**3.2970**	**1.6349**	**4.9319**	**1.5530**	**1.5041**	**3.0571**	**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	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	**0.0868**	**0.0541**	**0.6250**	**2.0000e-003**	**0.2236**	**1.6000e-003**	**0.2252**	**0.0593**	**1.4700e-003**	**0.0608**		**199.7073**	**199.7073**	**5.0100e-003**		**199.8326**

3.4 Grading - 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					
Fugitive Dust					7.3267	0.0000	7.3267	3.4511	0.0000	3.4511			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**7.3267**	**1.4245**	**8.7512**	**3.4511**	**1.3105**	**4.7616**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 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	0.0000	0.0000	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	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
Total	**0.0818**	**0.0490**	**0.5760**	**1.9300e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**192.2593**	**192.2593**	**4.5200e-003**		**192.3722**

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					3.2970	0.0000	3.2970	1.5530	0.0000	1.5530			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**3.2970**	**1.4245**	**4.7215**	**1.5530**	**1.3105**	**2.8635**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

3.4 Grading - 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	0.0000	0.0000	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	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
Total	**0.0818**	**0.0490**	**0.5760**	**1.9300e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4300e-003**	**0.0607**		**192.2593**	**192.2593**	**4.5200e-003**		**192.3722**

3.4 Grading - 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					
Fugitive Dust					7.3267	0.0000	7.3267	3.4511	0.0000	3.4511			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**7.3267**	**1.3354**	**8.6621**	**3.4511**	**1.2286**	**4.6797**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Grading - 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	0.0000	0.0000	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	0.0777	0.0446	0.5370	1.8600e-003	0.2236	1.5400e-003	0.2251	0.0593	1.4100e-003	0.0607		185.9245	185.9245	4.1400e-003		186.0279
Total	**0.0777**	**0.0446**	**0.5370**	**1.8600e-003**	**0.2236**	**1.5400e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**185.9245**	**185.9245**	**4.1400e-003**		**186.0279**

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					3.2970	0.0000	3.2970	1.5530	0.0000	1.5530			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.2970**	**1.3354**	**4.6324**	**1.5530**	**1.2286**	**2.7816**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Grading - 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	0.0000	0.0000	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	0.0777	0.0446	0.5370	1.8600e-003	0.2236	1.5400e-003	0.2251	0.0593	1.4100e-003	0.0607		185.9245	185.9245	4.1400e-003		186.0279
Total	**0.0777**	**0.0446**	**0.5370**	**1.8600e-003**	**0.2236**	**1.5400e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**185.9245**	**185.9245**	**4.1400e-003**		**186.0279**

3.4 Grading - 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					
Fugitive Dust					7.3267	0.0000	7.3267	3.4511	0.0000	3.4511			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.3267**	**1.1309**	**8.4576**	**3.4511**	**1.0404**	**4.4915**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0740	0.0408	0.4986	1.7900e-003	0.2236	1.5100e-003	0.2251	0.0593	1.3900e-003	0.0607		178.6007	178.6007	3.7700e-003		178.6949
Total	**0.0740**	**0.0408**	**0.4986**	**1.7900e-003**	**0.2236**	**1.5100e-003**	**0.2251**	**0.0593**	**1.3900e-003**	**0.0607**		**178.6007**	**178.6007**	**3.7700e-003**		**178.6949**

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					3.2970	0.0000	3.2970	1.5530	0.0000	1.5530			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.2970**	**1.1309**	**4.4279**	**1.5530**	**1.0404**	**2.5934**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

3.4 Grading - 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	0.0000	0.0000	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	0.0740	0.0408	0.4986	1.7900e-003	0.2236	1.5100e-003	0.2251	0.0593	1.3900e-003	0.0607		178.6007	178.6007	3.7700e-003		178.6949
Total	**0.0740**	**0.0408**	**0.4986**	**1.7900e-003**	**0.2236**	**1.5100e-003**	**0.2251**	**0.0593**	**1.3900e-003**	**0.0607**		**178.6007**	**178.6007**	**3.7700e-003**		**178.6949**

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	1.8711	64.3705	19.1707	0.2253	6.1249	0.0747	6.1995	1.7633	0.0714	1.8347		24,125.8226	24,125.8226	1.3641		24,159.9259
Worker	16.8217	9.2720	113.3833	0.4072	50.8359	0.3427	51.1786	13.4819	0.3154	13.7973		40,613.7986	40,613.7986	0.8566		40,635.2125
Total	**18.6928**	**73.6424**	**132.5540**	**0.6325**	**56.9608**	**0.4174**	**57.3781**	**15.2452**	**0.3868**	**15.6320**		**64,739.6212**	**64,739.6212**	**2.2207**		**64,795.1384**

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	1.8711	64.3705	19.1707	0.2253	6.1249	0.0747	6.1995	1.7633	0.0714	1.8347		24,125.8226	24,125.8226	1.3641		24,159.9259
Worker	16.8217	9.2720	113.3833	0.4072	50.8359	0.3427	51.1786	13.4819	0.3154	13.7973		40,613.7986	40,613.7986	0.8566		40,635.2125
Total	**18.6928**	**73.6424**	**132.5540**	**0.6325**	**56.9608**	**0.4174**	**57.3781**	**15.2452**	**0.3868**	**15.6320**		**64,739.6212**	**64,739.6212**	**2.2207**		**64,795.1384**

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	1.8281	63.7683	18.7731	0.2240	6.1249	0.0731	6.1980	1.7633	0.0699	1.8332		23,997.7561	23,997.7561	1.3410		24,031.2804
Worker	16.1011	8.5346	105.9397	0.3927	50.8359	0.3313	51.1673	13.4819	0.3049	13.7869		39,173.6177	39,173.6177	0.7844		39,193.2276
Total	**17.9293**	**72.3029**	**124.7128**	**0.6167**	**56.9608**	**0.4045**	**57.3653**	**15.2452**	**0.3748**	**15.6200**		**63,171.3737**	**63,171.3737**	**2.1254**		**63,224.5080**

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	1.8281	63.7683	18.7731	0.2240	6.1249	0.0731	6.1980	1.7633	0.0699	1.8332		23,997.7561	23,997.7561	1.3410		24,031.2804
Worker	16.1011	8.5346	105.9397	0.3927	50.8359	0.3313	51.1673	13.4819	0.3049	13.7869		39,173.6177	39,173.6177	0.7844		39,193.2276
Total	**17.9293**	**72.3029**	**124.7128**	**0.6167**	**56.9608**	**0.4045**	**57.3653**	**15.2452**	**0.3748**	**15.6200**		**63,171.3737**	**63,171.3737**	**2.1254**		**63,224.5080**

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	1.7921	63.1853	18.4524	0.2228	6.1249	0.0716	6.1965	1.7633	0.0685	1.8318		23,883.1281	23,883.1281	1.3181		23,916.0806
Worker	15.3882	7.8711	99.3022	0.3799	50.8359	0.3133	51.1492	13.4819	0.2882	13.7701		37,903.3596	37,903.3596	0.7195		37,921.3459
Total	**17.1803**	**71.0564**	**117.7546**	**0.6027**	**56.9608**	**0.3849**	**57.3457**	**15.2452**	**0.3567**	**15.6019**		**61,786.4876**	**61,786.4876**	**2.0376**		**61,837.4264**

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	1.7921	63.1853	18.4524	0.2228	6.1249	0.0716	6.1965	1.7633	0.0685	1.8318		23,883.1281	23,883.1281	1.3181		23,916.0806
Worker	15.3882	7.8711	99.3022	0.3799	50.8359	0.3133	51.1492	13.4819	0.2882	13.7701		37,903.3596	37,903.3596	0.7195		37,921.3459
Total	**17.1803**	**71.0564**	**117.7546**	**0.6027**	**56.9608**	**0.3849**	**57.3457**	**15.2452**	**0.3567**	**15.6019**		**61,786.4876**	**61,786.4876**	**2.0376**		**61,837.4264**

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	1.7613	62.7058	18.2050	0.2218	6.1249	0.0704	6.1954	1.7633	0.0673	1.8306		23,786.0685	23,786.0685	1.2967		23,818.4862
Worker	14.6416	7.2755	93.4843	0.3686	50.8359	0.2902	51.1261	13.4819	0.2670	13.7489		36,784.5526	36,784.5526	0.6635		36,801.1393
Total	**16.4030**	**69.9813**	**111.6893**	**0.5905**	**56.9608**	**0.3606**	**57.3215**	**15.2452**	**0.3343**	**15.5795**		**60,570.6211**	**60,570.6211**	**1.9602**		**60,619.6255**

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	1.7613	62.7058	18.2050	0.2218	6.1249	0.0704	6.1954	1.7633	0.0673	1.8306		23,786.0685	23,786.0685	1.2967		23,818.4862
Worker	14.6416	7.2755	93.4843	0.3686	50.8359	0.2902	51.1261	13.4819	0.2670	13.7489		36,784.5526	36,784.5526	0.6635		36,801.1393
Total	**16.4030**	**69.9813**	**111.6893**	**0.5905**	**56.9608**	**0.3606**	**57.3215**	**15.2452**	**0.3343**	**15.5795**		**60,570.6211**	**60,570.6211**	**1.9602**		**60,619.6255**

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	1.7333	62.2357	17.9743	0.2209	6.1250	0.0691	6.1940	1.7633	0.0660	1.8293		23,699.4105	23,699.4105	1.2778		23,731.3558
Worker	13.7969	6.6999	87.7477	0.3586	50.8359	0.2696	51.1055	13.4819	0.2480	13.7300		35,792.2130	35,792.2130	0.6086		35,807.4282
Total	**15.5302**	**68.9356**	**105.7219**	**0.5796**	**56.9609**	**0.3387**	**57.2996**	**15.2452**	**0.3140**	**15.5593**		**59,491.6235**	**59,491.6235**	**1.8864**		**59,538.7839**

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	1.7333	62.2357	17.9743	0.2209	6.1250	0.0691	6.1940	1.7633	0.0660	1.8293		23,699.4105	23,699.4105	1.2778		23,731.3558
Worker	13.7969	6.6999	87.7477	0.3586	50.8359	0.2696	51.1055	13.4819	0.2480	13.7300		35,792.2130	35,792.2130	0.6086		35,807.4282
Total	**15.5302**	**68.9356**	**105.7219**	**0.5796**	**56.9609**	**0.3387**	**57.2996**	**15.2452**	**0.3140**	**15.5593**		**59,491.6235**	**59,491.6235**	**1.8864**		**59,538.7839**

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	1.7093	61.7831	17.7991	0.2201	6.1250	0.0678	6.1928	1.7633	0.0648	1.8281		23,621.4237	23,621.4237	1.2605		23,652.9351
Worker	12.9304	6.1555	82.4449	0.3498	50.8359	0.2510	51.0869	13.4819	0.2309	13.7128		34,911.7583	34,911.7583	0.5581		34,925.7118
Total	**14.6397**	**67.9386**	**100.2439**	**0.5699**	**56.9609**	**0.3188**	**57.2797**	**15.2453**	**0.2957**	**15.5409**		**58,533.1820**	**58,533.1820**	**1.8186**		**58,578.6469**

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	1.7093	61.7831	17.7991	0.2201	6.1250	0.0678	6.1928	1.7633	0.0648	1.8281		23,621.4237	23,621.4237	1.2605		23,652.9351
Worker	12.9304	6.1555	82.4449	0.3498	50.8359	0.2510	51.0869	13.4819	0.2309	13.7128		34,911.7583	34,911.7583	0.5581		34,925.7118
Total	**14.6397**	**67.9386**	**100.2439**	**0.5699**	**56.9609**	**0.3188**	**57.2797**	**15.2453**	**0.2957**	**15.5409**		**58,533.1820**	**58,533.1820**	**1.8186**		**58,578.6469**

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	1.7011	61.5527	17.7520	0.2199	6.1250	0.0669	6.1919	1.7633	0.0639	1.8272		23,599.5714	23,599.5714	1.2469		23,630.7445
Worker	11.9787	5.6200	77.4535	0.3424	50.8359	0.2348	51.0708	13.4819	0.2160	13.6979		34,186.9972	34,186.9972	0.5114		34,199.7829
Total	**13.6798**	**67.1727**	**95.2055**	**0.5623**	**56.9609**	**0.3017**	**57.2626**	**15.2453**	**0.2799**	**15.5252**		**57,786.5685**	**57,786.5685**	**1.7584**		**57,830.5274**

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	1.7011	61.5527	17.7520	0.2199	6.1250	0.0669	6.1919	1.7633	0.0639	1.8272		23,599.5714	23,599.5714	1.2469		23,630.7445
Worker	11.9787	5.6200	77.4535	0.3424	50.8359	0.2348	51.0708	13.4819	0.2160	13.6979		34,186.9972	34,186.9972	0.5114		34,199.7829
Total	**13.6798**	**67.1727**	**95.2055**	**0.5623**	**56.9609**	**0.3017**	**57.2626**	**15.2453**	**0.2799**	**15.5252**		**57,786.5685**	**57,786.5685**	**1.7584**		**57,830.5274**

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	1.6863	61.1623	17.6738	0.2194	6.1250	0.0659	6.1909	1.7633	0.0630	1.8263		23,552.5855	23,552.5855	1.2347		23,583.4526
Worker	11.1276	5.1530	72.8294	0.3355	50.8359	0.2190	51.0549	13.4819	0.2014	13.6833		33,499.5612	33,499.5612	0.4685		33,511.2736
Total	**12.8139**	**66.3153**	**90.5032**	**0.5549**	**56.9609**	**0.2849**	**57.2458**	**15.2453**	**0.2644**	**15.5096**		**57,052.1468**	**57,052.1468**	**1.7032**		**57,094.7261**

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	1.6863	61.1623	17.6738	0.2194	6.1250	0.0659	6.1909	1.7633	0.0630	1.8263		23,552.5855	23,552.5855	1.2347		23,583.4526
Worker	11.1276	5.1530	72.8294	0.3355	50.8359	0.2190	51.0549	13.4819	0.2014	13.6833		33,499.5612	33,499.5612	0.4685		33,511.2736
Total	**12.8139**	**66.3153**	**90.5032**	**0.5549**	**56.9609**	**0.2849**	**57.2458**	**15.2453**	**0.2644**	**15.5096**		**57,052.1468**	**57,052.1468**	**1.7032**		**57,094.7261**

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	1.6757	60.8080	17.6221	0.2190	6.1250	0.0651	6.1901	1.7633	0.0622	1.8255		23,515.5084	23,515.5084	1.2240		23,546.1079
Worker	10.4001	4.7578	68.8719	0.3294	50.8359	0.2046	51.0405	13.4819	0.1882	13.6701		32,899.4601	32,899.4601	0.4318		32,910.2557
Total	**12.0757**	**65.5658**	**86.4940**	**0.5485**	**56.9609**	**0.2697**	**57.2306**	**15.2453**	**0.2504**	**15.4957**		**56,414.9685**	**56,414.9685**	**1.6558**		**56,456.3636**

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	1.6757	60.8080	17.6221	0.2190	6.1250	0.0651	6.1901	1.7633	0.0622	1.8255		23,515.5084	23,515.5084	1.2240		23,546.1079
Worker	10.4001	4.7578	68.8719	0.3294	50.8359	0.2046	51.0405	13.4819	0.1882	13.6701		32,899.4601	32,899.4601	0.4318		32,910.2557
Total	**12.0757**	**65.5658**	**86.4940**	**0.5485**	**56.9609**	**0.2697**	**57.2306**	**15.2453**	**0.2504**	**15.4957**		**56,414.9685**	**56,414.9685**	**1.6558**		**56,456.3636**

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	1.6662	60.4883	17.5672	0.2187	6.1250	0.0642	6.1893	1.7633	0.0614	1.8247		23,487.0261	23,487.0261	1.2150		23,517.3998
Worker	9.7856	4.4270	65.0589	0.3241	50.8359	0.1911	51.0270	13.4819	0.1757	13.6577		32,374.1162	32,374.1162	0.3970		32,384.0400
Total	**11.4518**	**64.9153**	**82.6261**	**0.5428**	**56.9610**	**0.2553**	**57.2163**	**15.2453**	**0.2371**	**15.4824**		**55,861.1423**	**55,861.1423**	**1.6119**		**55,901.4398**

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	1.6662	60.4883	17.5672	0.2187	6.1250	0.0642	6.1893	1.7633	0.0614	1.8247		23,487.0261	23,487.0261	1.2150		23,517.3998
Worker	9.7856	4.4270	65.0589	0.3241	50.8359	0.1911	51.0270	13.4819	0.1757	13.6577		32,374.1162	32,374.1162	0.3970		32,384.0400
Total	**11.4518**	**64.9153**	**82.6261**	**0.5428**	**56.9610**	**0.2553**	**57.2163**	**15.2453**	**0.2371**	**15.4824**		**55,861.1423**	**55,861.1423**	**1.6119**		**55,901.4398**

3.5 Building Construction - 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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 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	1.6581	60.2307	17.5142	0.2185	6.1251	0.0636	6.1886	1.7634	0.0608	1.8241		23,464.9169	23,464.9169	1.2071		23,495.0941
Worker	9.2757	4.1845	61.9120	0.3196	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		31,924.3067	31,924.3067	0.3684		31,933.5172
Total	**10.9338**	**64.4153**	**79.4262**	**0.5381**	**56.9610**	**0.2426**	**57.2036**	**15.2453**	**0.2254**	**15.4707**		**55,389.2236**	**55,389.2236**	**1.5755**		**55,428.6113**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 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	1.6581	60.2307	17.5142	0.2185	6.1251	0.0636	6.1886	1.7634	0.0608	1.8241		23,464.9169	23,464.9169	1.2071		23,495.0941
Worker	9.2757	4.1845	61.9120	0.3196	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		31,924.3067	31,924.3067	0.3684		31,933.5172
Total	**10.9338**	**64.4153**	**79.4262**	**0.5381**	**56.9610**	**0.2426**	**57.2036**	**15.2453**	**0.2254**	**15.4707**		**55,389.2236**	**55,389.2236**	**1.5755**		**55,428.6113**

3.5 Building Construction - 2036

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2036

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	1.6581	60.2307	17.5142	0.2185	6.1251	0.0636	6.1886	1.7634	0.0608	1.8241		23,464.9169	23,464.9169	1.2071		23,495.0941
Worker	9.2757	4.1845	61.9120	0.3196	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		31,924.3067	31,924.3067	0.3684		31,933.5172
Total	**10.9338**	**64.4153**	**79.4262**	**0.5381**	**56.9610**	**0.2426**	**57.2036**	**15.2453**	**0.2254**	**15.4707**		**55,389.2236**	**55,389.2236**	**1.5755**		**55,428.6113**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2036

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	1.6581	60.2307	17.5142	0.2185	6.1251	0.0636	6.1886	1.7634	0.0608	1.8241		23,464.9169	23,464.9169	1.2071		23,495.0941
Worker	9.2757	4.1845	61.9120	0.3196	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		31,924.3067	31,924.3067	0.3684		31,933.5172
Total	**10.9338**	**64.4153**	**79.4262**	**0.5381**	**56.9610**	**0.2426**	**57.2036**	**15.2453**	**0.2254**	**15.4707**		**55,389.2236**	**55,389.2236**	**1.5755**		**55,428.6113**

3.5 Building Construction - 2037

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2037

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	1.6581	60.2307	17.5142	0.2185	6.1251	0.0636	6.1886	1.7634	0.0608	1.8241		23,464.9169	23,464.9169	1.2071		23,495.0941
Worker	9.2757	4.1845	61.9120	0.3196	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		31,924.3067	31,924.3067	0.3684		31,933.5172
Total	**10.9338**	**64.4153**	**79.4262**	**0.5381**	**56.9610**	**0.2426**	**57.2036**	**15.2453**	**0.2254**	**15.4707**		**55,389.2236**	**55,389.2236**	**1.5755**		**55,428.6113**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2037

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	1.6581	60.2307	17.5142	0.2185	6.1251	0.0636	6.1886	1.7634	0.0608	1.8241		23,464.9169	23,464.9169	1.2071		23,495.0941
Worker	9.2757	4.1845	61.9120	0.3196	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		31,924.3067	31,924.3067	0.3684		31,933.5172
Total	**10.9338**	**64.4153**	**79.4262**	**0.5381**	**56.9610**	**0.2426**	**57.2036**	**15.2453**	**0.2254**	**15.4707**		**55,389.2236**	**55,389.2236**	**1.5755**		**55,428.6113**

3.5 Building Construction - 2038

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2038

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	1.6581	60.2307	17.5142	0.2185	6.1251	0.0636	6.1886	1.7634	0.0608	1.8241		23,464.9169	23,464.9169	1.2071		23,495.0941
Worker	9.2757	4.1845	61.9120	0.3196	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		31,924.3067	31,924.3067	0.3684		31,933.5172
Total	**10.9338**	**64.4153**	**79.4262**	**0.5381**	**56.9610**	**0.2426**	**57.2036**	**15.2453**	**0.2254**	**15.4707**		**55,389.2236**	**55,389.2236**	**1.5755**		**55,428.6113**

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

3.5 Building Construction - 2038

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	1.6581	60.2307	17.5142	0.2185	6.1251	0.0636	6.1886	1.7634	0.0608	1.8241		23,464.9169	23,464.9169	1.2071		23,495.0941
Worker	9.2757	4.1845	61.9120	0.3196	50.8359	0.1790	51.0149	13.4819	0.1647	13.6466		31,924.3067	31,924.3067	0.3684		31,933.5172
Total	**10.9338**	**64.4153**	**79.4262**	**0.5381**	**56.9610**	**0.2426**	**57.2036**	**15.2453**	**0.2254**	**15.4707**		**55,389.2236**	**55,389.2236**	**1.5755**		**55,428.6113**

3.6 Architectural Coating - 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					
Archit. Coating	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	2.2265	1.0311	14.5723	0.0671	10.1717	0.0438	10.2155	2.6976	0.0403	2.7379		6,702.8586	6,702.8586	0.0937		6,705.2021
Total	**2.2265**	**1.0311**	**14.5723**	**0.0671**	**10.1717**	**0.0438**	**10.2155**	**2.6976**	**0.0403**	**2.7379**		**6,702.8586**	**6,702.8586**	**0.0937**		**6,705.2021**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	2.2265	1.0311	14.5723	0.0671	10.1717	0.0438	10.2155	2.6976	0.0403	2.7379		6,702.8586	6,702.8586	0.0937		6,705.2021
Total	**2.2265**	**1.0311**	**14.5723**	**0.0671**	**10.1717**	**0.0438**	**10.2155**	**2.6976**	**0.0403**	**2.7379**		**6,702.8586**	**6,702.8586**	**0.0937**		**6,705.2021**

3.6 Architectural Coating - 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					
Archit. Coating	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	2.0809	0.9520	13.7804	0.0659	10.1717	0.0409	10.2126	2.6976	0.0377	2.7352		6,582.7856	6,582.7856	0.0864		6,584.9456
Total	**2.0809**	**0.9520**	**13.7804**	**0.0659**	**10.1717**	**0.0409**	**10.2126**	**2.6976**	**0.0377**	**2.7352**		**6,582.7856**	**6,582.7856**	**0.0864**		**6,584.9456**

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	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	0.0000	0.0000	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	2.0809	0.9520	13.7804	0.0659	10.1717	0.0409	10.2126	2.6976	0.0377	2.7352		6,582.7856	6,582.7856	0.0864		6,584.9456
Total	**2.0809**	**0.9520**	**13.7804**	**0.0659**	**10.1717**	**0.0409**	**10.2126**	**2.6976**	**0.0377**	**2.7352**		**6,582.7856**	**6,582.7856**	**0.0864**		**6,584.9456**

3.6 Architectural Coating - 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					
Archit. Coating	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	1.9580	0.8858	13.0175	0.0649	10.1717	0.0382	10.2099	2.6976	0.0352	2.7327		6,477.6706	6,477.6706	0.0794		6,479.6562
Total	**1.9580**	**0.8858**	**13.0175**	**0.0649**	**10.1717**	**0.0382**	**10.2099**	**2.6976**	**0.0352**	**2.7327**		**6,477.6706**	**6,477.6706**	**0.0794**		**6,479.6562**

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	20.0665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**20.1972**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

3.6 Architectural Coating - 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	1.9580	0.8858	13.0175	0.0649	10.1717	0.0382	10.2099	2.6976	0.0352	2.7327		6,477.6706	6,477.6706	0.0794		6,479.6562
Total	**1.9580**	**0.8858**	**13.0175**	**0.0649**	**10.1717**	**0.0382**	**10.2099**	**2.6976**	**0.0352**	**2.7327**		**6,477.6706**	**6,477.6706**	**0.0794**		**6,479.6562**

3.6 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	20.0665					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	**20.1843**	**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**

3.6 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	1.8560	0.8373	12.3879	0.0640	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,387.6691	6,387.6691	0.0737		6,389.5120
Total	**1.8560**	**0.8373**	**12.3879**	**0.0640**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,387.6691**	**6,387.6691**	**0.0737**		**6,389.5120**

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	20.0665					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	**20.1843**	**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**

3.6 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	1.8560	0.8373	12.3879	0.0640	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,387.6691	6,387.6691	0.0737		6,389.5120
Total	**1.8560**	**0.8373**	**12.3879**	**0.0640**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,387.6691**	**6,387.6691**	**0.0737**		**6,389.5120**

3.6 Architectural Coating - 2036

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2036

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	1.8560	0.8373	12.3879	0.0640	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,387.6691	6,387.6691	0.0737		6,389.5120
Total	**1.8560**	**0.8373**	**12.3879**	**0.0640**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,387.6691**	**6,387.6691**	**0.0737**		**6,389.5120**

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2036

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	1.8560	0.8373	12.3879	0.0640	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,387.6691	6,387.6691	0.0737		6,389.5120
Total	**1.8560**	**0.8373**	**12.3879**	**0.0640**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,387.6691**	**6,387.6691**	**0.0737**		**6,389.5120**

3.6 Architectural Coating - 2037

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2037

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	1.8560	0.8373	12.3879	0.0640	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,387.6691	6,387.6691	0.0737		6,389.5120
Total	**1.8560**	**0.8373**	**12.3879**	**0.0640**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,387.6691**	**6,387.6691**	**0.0737**		**6,389.5120**

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2037

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	1.8560	0.8373	12.3879	0.0640	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,387.6691	6,387.6691	0.0737		6,389.5120
Total	**1.8560**	**0.8373**	**12.3879**	**0.0640**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,387.6691**	**6,387.6691**	**0.0737**		**6,389.5120**

3.6 Architectural Coating - 2038

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2038

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	1.8560	0.8373	12.3879	0.0640	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,387.6691	6,387.6691	0.0737		6,389.5120
Total	**1.8560**	**0.8373**	**12.3879**	**0.0640**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,387.6691**	**6,387.6691**	**0.0737**		**6,389.5120**

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	20.0665					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	**20.1843**	**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**

3.6 Architectural Coating - 2038

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	1.8560	0.8373	12.3879	0.0640	10.1717	0.0358	10.2075	2.6976	0.0329	2.7305		6,387.6691	6,387.6691	0.0737		6,389.5120
Total	**1.8560**	**0.8373**	**12.3879**	**0.0640**	**10.1717**	**0.0358**	**10.2075**	**2.6976**	**0.0329**	**2.7305**		**6,387.6691**	**6,387.6691**	**0.0737**		**6,389.5120**

3.7 Paving - 2038

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	0.3252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4657**	**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**

3.7 Paving - 2038

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

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	0.3252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4657**	**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**

3.7 Paving - 2038

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

3.7 Paving - 2039

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	0.3252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4657**	**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**

3.7 Paving - 2039

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

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	0.3252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4657**	**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**

3.7 Paving - 2039

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	0.0306	0.0138	0.2042	1.0500e-003	0.1677	5.9000e-004	0.1683	0.0445	5.4000e-004	0.0450		105.2913	105.2913	1.2200e-003		105.3216
Total	**0.0306**	**0.0138**	**0.2042**	**1.0500e-003**	**0.1677**	**5.9000e-004**	**0.1683**	**0.0445**	**5.4000e-004**	**0.0450**		**105.2913**	**105.2913**	**1.2200e-003**		**105.3216**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	31.6789	233.5891	366.5492	2.0816	229.4246	0.8722	230.2968	61.3658	0.8116	62.1775		214,544.8825	214,544.8825	8.4887		214,757.0988
Unmitigated	36.0361	255.0969	457.8423	2.6822	302.8867	1.1140	304.0007	81.0153	1.0369	82.0522		276,221.8935	276,221.8935	10.4484		276,483.1027

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	26,128.32	30,691.17	28145.58	92,440,651	70,020,096
Government (Civic Center)	929.45	293.48	438.60	2,373,140	1,797,559
City Park	0.41	40.38	45.11	35,990	27,261
City Park	0.01	1.45	1.62	1,293	979
General Office Building	2,134.91	539.21	230.15	5,266,587	3,989,229
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	4,921.09	6,514.09	3290.29	10,631,869	8,053,216
Regional Shopping Center	3,273.30	4,332.90	2188.56	7,071,873	5,356,661
Library	90.30	1,501.24	822.05	1,000,782	758,052
Place of Worship	224.14	193.18	891.07	671,808	508,868
Total	37,701.93	44,107.08	36,053.03	119,493,993	90,511,920

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Government (Civic Center)	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
City Park	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
General Office Building	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Other Asphalt Surfaces	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Regional Shopping Center	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Library	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Place of Worship	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.4303	12.2895	5.6906	0.0780		0.9882	0.9882		0.9882	0.9882		15,603.5075	15,603.5075	0.2991	0.2861	15,696.2314
NaturalGas Unmitigated	1.4303	12.2895	5.6906	0.0780		0.9882	0.9882		0.9882	0.9882		15,603.5075	15,603.5075	0.2991	0.2861	15,696.2314

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	121285	1.3080	11.1772	4.7563	0.0713		0.9037	0.9037		0.9037	0.9037		14,268.8035	14,268.8035	0.2735	0.2616	14,353.5959
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
General Office Building	6251.36	0.0674	0.6129	0.5148	3.6800e-003		0.0466	0.0466		0.0466	0.0466		735.4543	735.4543	0.0141	0.0135	739.8248
Government (Civic Center)	919.788	9.9200e-003	0.0902	0.0758	5.4000e-004		6.8500e-003	6.8500e-003		6.8500e-003	6.8500e-003		108.2103	108.2103	2.0700e-003	1.9800e-003	108.8534
Library	1599.25	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	1599.25	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Regional Shopping Center	389.601	4.2000e-003	0.0382	0.0321	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003		45.8354	45.8354	8.8000e-004	8.4000e-004	46.1078
Regional Shopping Center	585.741	6.3200e-003	0.0574	0.0482	3.4000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003		68.9107	68.9107	1.3200e-003	1.2600e-003	69.3202
Total		**1.4303**	**12.2895**	**5.6906**	**0.0780**		**0.9882**	**0.9882**		**0.9882**	**0.9882**		**15,603.5075**	**15,603.5075**	**0.2991**	**0.2861**	**15,696.2314**

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	121.285	1.3080	11.1772	4.7563	0.0713		0.9037	0.9037		0.9037	0.9037		14,268.8035	14,268.8035	0.2735	0.2616	14,353.5959
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
General Office Building	6.25136	0.0674	0.6129	0.5148	3.6800e-003		0.0466	0.0466		0.0466	0.0466		735.4543	735.4543	0.0141	0.0135	739.8248
Government (Civic Center)	0.919788	9.9200e-003	0.0902	0.0758	5.4000e-004		6.8500e-003	6.8500e-003		6.8500e-003	6.8500e-003		108.2103	108.2103	2.0700e-003	1.9800e-003	108.8534
Library	1.59925	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	1.59925	0.0173	0.1568	0.1317	9.4000e-004		0.0119	0.0119		0.0119	0.0119		188.1467	188.1467	3.6100e-003	3.4500e-003	189.2647
Regional Shopping Center	0.389601	4.2000e-003	0.0382	0.0321	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003		45.8354	45.8354	8.8000e-004	8.4000e-004	46.1078
Regional Shopping Center	0.585741	6.3200e-003	0.0574	0.0482	3.4000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003		68.9107	68.9107	1.3200e-003	1.2600e-003	69.3202
Total		**1.4303**	**12.2895**	**5.6906**	**0.0780**		**0.9882**	**0.9882**		**0.9882**	**0.9882**		**15,603.5075**	**15,603.5075**	**0.2991**	**0.2861**	**15,696.2314**

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	126.9481	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977	0.0000	713.6243	713.6243	0.6795	0.0000	730.6108
Unmitigated	126.9481	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977	0.0000	713.6243	713.6243	0.6795	0.0000	730.6108

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	9.0052					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	106.1380					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	11.8050	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977		713.6243	713.6243	0.6795		730.6108
Total	**126.9481**	**4.5542**	**394.5720**	**0.0209**		**2.1977**	**2.1977**		**2.1977**	**2.1977**	**0.0000**	**713.6243**	**713.6243**	**0.6795**	**0.0000**	**730.6108**

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	9.0052					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	106.1380					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	11.8050	4.5542	394.5720	0.0209		2.1977	2.1977		2.1977	2.1977		713.6243	713.6243	0.6795		730.6108
Total	**126.9481**	**4.5542**	**394.5720**	**0.0209**		**2.1977**	**2.1977**		**2.1977**	**2.1977**	**0.0000**	**713.6243**	**713.6243**	**0.6795**	**0.0000**	**730.6108**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Compton Hub City Specific Plan

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	219.19	1000sqft	0.00	219,188.00	0
Other Asphalt Surfaces	28.55	Acre	28.55	1,243,638.00	0
City Park	20.60	Acre	17.64	897,336.00	0
Apartments Mid Rise	4,803.00	Dwelling Unit	52.03	4,802,826.00	13737
Regional Shopping Center	130.36	1000sqft	0.00	130,363.00	0
Regional Shopping Center	86.71	1000sqft	4.82	86,710.00	0
City Park	0.74	Acre	0.74	32,250.00	0
Place of Worship	32.25	1000sqft	0.74	32,250.00	0
Library	32.25	1000sqft	0.74	32,250.00	0
Government (Civic Center)	32.25	1000sqft	0.74	32,250.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	11			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Compton Hub City Specific Plan - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Based on project plans dated August 2019; Library land use substitute for Museum and Gov Civic Center for Community Center

Construction Phase - Construction schedule phases extended to be consistent with 20 year period

Trips and VMT -

Demolition - Per LA County Assessor's Map

Architectural Coating - Per SCAQMD Rule 1113 use of low-VOC

Vehicle Trips - Per KOA trip generation rates dated September 2019 plus ITE 10th Ed rates

Woodstoves - No woodburning

Area Coating - Per SCAQMD Rule 1113 use of low-VOC

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Water Mitigation - 2016 CALGreen (Part 11 of Title 24) - 20 percent reduction in indoor water use

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	200.00	400.00
tblConstructionPhase	NumDays	120.00	250.00
tblConstructionPhase	NumDays	310.00	630.00
tblConstructionPhase	NumDays	3,100.00	3,490.00
tblConstructionPhase	NumDays	220.00	1,638.00
tblConstructionPhase	NumDays	220.00	230.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

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tblFireplaces	NumberNoFireplace	480.30	0.00
tblFireplaces	NumberWood	240.15	0.00
tblGrading	AcresOfGrading	1,575.00	775.00
tblLandUse	LandUseSquareFeet	219,190.00	219,188.00
tblLandUse	LandUseSquareFeet	4,803,000.00	4,802,826.00
tblLandUse	LandUseSquareFeet	130,360.00	130,363.00
tblLandUse	LandUseSquareFeet	32,234.40	32,250.00
tblLandUse	LotAcreage	5.03	0.00
tblLandUse	LotAcreage	20.60	17.64
tblLandUse	LotAcreage	126.39	52.03
tblLandUse	LotAcreage	2.99	0.00
tblLandUse	LotAcreage	1.99	4.82
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	0.00	9.10
tblVehicleTrips	ST_TR	22.75	1.96
tblVehicleTrips	ST_TR	10.37	5.99
tblVehicleTrips	SU_TR	0.00	13.60
tblVehicleTrips	SU_TR	16.74	2.19
tblVehicleTrips	SU_TR	36.63	27.63
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	27.92	28.82
tblVehicleTrips	WD_TR	1.89	0.02
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	56.24	2.80

tblVehicleTrips	WD_TR	9.11	6.95
tblWoodstoves	NumberCatalytic	240.15	0.00
tblWoodstoves	NumberNoncatalytic	240.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2663	2.7815	1.7628	3.7200e-003	0.2130	0.1285	0.3416	0.0369	0.1195	0.1564	0.0000	332.6551	332.6551	0.0783	0.0000	334.6132
2021	0.4360	4.5051	2.9497	6.2300e-003	0.4615	0.2073	0.6688	0.1299	0.1925	0.3224	0.0000	556.1879	556.1879	0.1328	0.0000	559.5069
2022	0.4271	4.3794	2.7536	5.4900e-003	2.6350	0.2101	2.8451	1.2595	0.1933	1.4528	0.0000	482.8721	482.8721	0.1497	0.0000	486.6139
2023	0.4414	4.4936	3.7238	8.3300e-003	1.2223	0.1854	1.4077	0.4823	0.1706	0.6528	0.0000	732.0206	732.0206	0.2298	0.0000	737.7664
2024	0.4307	4.2474	3.7042	8.3800e-003	1.2286	0.1751	1.4037	0.4857	0.1611	0.6468	0.0000	736.6812	736.6812	0.2315	0.0000	742.4685
2025	1.7507	8.9339	14.5798	0.0623	5.6477	0.1309	5.7787	1.5185	0.1217	1.6402	0.0000	5,755.7634	5,755.7634	0.2987	0.0000	5,763.2316
2026	2.2933	11.2170	18.6966	0.0854	7.2988	0.1214	7.4203	1.9565	0.1135	2.0700	0.0000	7,908.8228	7,908.8228	0.3193	0.0000	7,916.8048
2027	2.2026	11.0499	17.7665	0.0835	7.2988	0.1189	7.4177	1.9565	0.1111	2.0676	0.0000	7,741.9202	7,741.9202	0.3089	0.0000	7,749.6432
2028	2.1014	10.8639	16.8906	0.0816	7.2709	0.1153	7.3862	1.9490	0.1078	2.0568	0.0000	7,566.2758	7,566.2758	0.2987	0.0000	7,573.7422

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	2.0055	10.7655	16.1582	0.0804	7.2988	0.1129	7.4118	1.9565	0.1056	2.0621	0.0000	7,465.3934	7,465.3934	0.2911	0.0000	7,472.6710
2030	1.8924	10.0401	15.4356	0.0797	7.2988	0.0608	7.3597	1.9565	0.0578	2.0143	0.0000	7,390.3741	7,390.3741	0.2257	0.0000	7,396.0170
2031	1.7796	9.9371	14.7638	0.0787	7.2988	0.0586	7.3574	1.9565	0.0558	2.0122	0.0000	7,300.6969	7,300.6969	0.2186	0.0000	7,306.1622
2032	3.3808	10.0069	15.4785	0.0834	8.0906	0.0615	8.1521	2.1668	0.0586	2.2254	0.0000	7,732.8655	7,732.8655	0.2203	0.0000	7,738.3736
2033	4.4511	9.9239	15.6318	0.0856	8.5688	0.0622	8.6310	2.2937	0.0593	2.3529	0.0000	7,931.6292	7,931.6292	0.2174	0.0000	7,937.0651
2034	4.3639	9.8286	15.0140	0.0848	8.5688	0.0600	8.6288	2.2937	0.0572	2.3509	0.0000	7,852.8239	7,852.8239	0.2114	0.0000	7,858.1094
2035	4.2940	9.6794	14.5530	0.0843	8.6018	0.0494	8.6511	2.3025	0.0467	2.3492	0.0000	7,815.5740	7,815.5740	0.2061	0.0000	7,820.7273
2036	4.3105	9.7165	14.6088	0.0847	8.6347	0.0495	8.6843	2.3113	0.0469	2.3582	0.0000	7,845.5188	7,845.5188	0.2069	0.0000	7,850.6917
2037	4.2940	9.6794	14.5530	0.0843	8.6018	0.0494	8.6511	2.3025	0.0467	2.3492	0.0000	7,815.5740	7,815.5740	0.2061	0.0000	7,820.7273
2038	3.0376	6.9081	10.7336	0.0597	5.9718	0.0417	6.0135	1.5985	0.0399	1.6384	0.0000	5,520.2816	5,520.2816	0.1467	0.0000	5,523.9491
2039	0.1120	0.3668	1.2024	2.1800e-003	0.0123	0.0141	0.0264	3.2800e-003	0.0141	0.0174	0.0000	188.0359	188.0359	7.0400e-003	0.0000	188.2119
Maximum	**4.4511**	**11.2170**	**18.6966**	**0.0856**	**8.6347**	**0.2101**	**8.6843**	**2.3113**	**0.1933**	**2.3582**	**0.0000**	**7,931.6292**	**7,931.6292**	**0.3193**	**0.0000**	**7,937.0651**

2.1 Overall Construction

Mitigated Construction

Compton Hub City Specific Plan - South Coast AQMD Air District, 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	0.2663	2.7815	1.7628	3.7200e-003	0.1192	0.1285	0.2478	0.0227	0.1195	0.1422	0.0000	332.6548	332.6548	0.0783	0.0000	334.6129
2021	0.4360	4.5050	2.9497	6.2300e-003	0.2371	0.2073	0.4444	0.0663	0.1925	0.2588	0.0000	556.1874	556.1874	0.1328	0.0000	559.5064
2022	0.4271	4.3794	2.7536	5.4900e-003	1.2000	0.2101	1.4101	0.5706	0.1933	0.7639	0.0000	482.8716	482.8716	0.1497	0.0000	486.6133
2023	0.4414	4.4936	3.7238	8.3300e-003	0.5657	0.1854	0.7511	0.2212	0.1706	0.3918	0.0000	732.0198	732.0198	0.2298	0.0000	737.7656
2024	0.4307	4.2474	3.7042	8.3800e-003	0.5687	0.1751	0.7438	0.2227	0.1611	0.3839	0.0000	736.6804	736.6804	0.2315	0.0000	742.4676
2025	1.7507	8.9339	14.5798	0.0623	5.2842	0.1309	5.4152	1.4185	0.1217	1.5402	0.0000	5,755.7628	5,755.7628	0.2987	0.0000	5,763.2311
2026	2.2933	11.2170	18.6966	0.0854	7.2988	0.1214	7.4203	1.9565	0.1135	2.0700	0.0000	7,908.8225	7,908.8225	0.3193	0.0000	7,916.8045
2027	2.2026	11.0499	17.7665	0.0835	7.2988	0.1189	7.4177	1.9565	0.1111	2.0676	0.0000	7,741.9198	7,741.9198	0.3089	0.0000	7,749.6428
2028	2.1014	10.8639	16.8906	0.0816	7.2709	0.1153	7.3862	1.9490	0.1078	2.0568	0.0000	7,566.2755	7,566.2755	0.2987	0.0000	7,573.7418
2029	2.0055	10.7655	16.1582	0.0804	7.2988	0.1129	7.4118	1.9565	0.1056	2.0621	0.0000	7,465.3931	7,465.3931	0.2911	0.0000	7,472.6706
2030	1.8924	10.0401	15.4356	0.0797	7.2988	0.0608	7.3597	1.9565	0.0578	2.0143	0.0000	7,390.3737	7,390.3737	0.2257	0.0000	7,396.0166
2031	1.7796	9.9371	14.7637	0.0787	7.2988	0.0586	7.3574	1.9565	0.0558	2.0122	0.0000	7,300.6965	7,300.6965	0.2186	0.0000	7,306.1618
2032	3.3808	10.0069	15.4785	0.0834	8.0906	0.0615	8.1521	2.1668	0.0586	2.2254	0.0000	7,732.8651	7,732.8651	0.2203	0.0000	7,738.3732
2033	4.4511	9.9239	15.6318	0.0856	8.5688	0.0622	8.6310	2.2937	0.0593	2.3529	0.0000	7,931.6287	7,931.6287	0.2174	0.0000	7,937.0646
2034	4.3639	9.8286	15.0140	0.0848	8.5688	0.0600	8.6288	2.2937	0.0572	2.3509	0.0000	7,852.8235	7,852.8235	0.2114	0.0000	7,858.1089
2035	4.2940	9.6794	14.5530	0.0843	8.6018	0.0494	8.6511	2.3025	0.0467	2.3492	0.0000	7,815.5736	7,815.5736	0.2061	0.0000	7,820.7268
2036	4.3105	9.7165	14.6088	0.0847	8.6347	0.0495	8.6843	2.3113	0.0469	2.3582	0.0000	7,845.5183	7,845.5183	0.2069	0.0000	7,850.6913
2037	4.2940	9.6794	14.5530	0.0843	8.6018	0.0494	8.6511	2.3025	0.0467	2.3492	0.0000	7,815.5736	7,815.5736	0.2061	0.0000	7,820.7268

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2038	3.0376	6.9081	10.7336	0.0597	5.9718	0.0417	6.0135	1.5985	0.0399	1.6384	0.0000	5,520.2812	5,520.2812	0.1467	0.0000	5,523.9487
2039	0.1120	0.3668	1.2024	2.1800e-003	0.0123	0.0141	0.0264	3.2800e-003	0.0141	0.0174	0.0000	188.0356	188.0356	7.0400e-003	0.0000	188.2116
Maximum	**4.4511**	**11.2170**	**18.6966**	**0.0856**	**8.6347**	**0.2101**	**8.6843**	**2.3113**	**0.1933**	**2.3582**	**0.0000**	**7,931.6287**	**7,931.6287**	**0.3193**	**0.0000**	**7,937.0646**

	ROG	NOx	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**	**3.06**	**0.00**	**3.01**	**4.50**	**0.00**	**4.24**	**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	**6-1-2020**	**8-31-2020**	1.2975	1.2975
2	**9-1-2020**	**11-30-2020**	1.2844	1.2844
3	**12-1-2020**	**2-28-2021**	1.2261	1.2261
4	**3-1-2021**	**5-31-2021**	1.2284	1.2284
5	**6-1-2021**	**8-31-2021**	1.2280	1.2280
6	**9-1-2021**	**11-30-2021**	1.2156	1.2156
7	**12-1-2021**	**2-28-2022**	1.2341	1.2341
8	**3-1-2022**	**5-31-2022**	1.1951	1.1951
9	**6-1-2022**	**8-31-2022**	1.1950	1.1950
10	**9-1-2022**	**11-30-2022**	1.1934	1.1934
11	**12-1-2022**	**2-28-2023**	1.2718	1.2718
12	**3-1-2023**	**5-31-2023**	1.2473	1.2473
13	**6-1-2023**	**8-31-2023**	1.2471	1.2471
14	**9-1-2023**	**11-30-2023**	1.2338	1.2338
15	**12-1-2023**	**2-29-2024**	1.1857	1.1857

16	**3-1-2024**	**5-31-2024**	1.1733	1.1733
17	**6-1-2024**	**8-31-2024**	1.1732	1.1732
18	**9-1-2024**	**11-30-2024**	1.1607	1.1607
19	**12-1-2024**	**2-28-2025**	1.0478	1.0478
20	**3-1-2025**	**5-31-2025**	1.9573	1.9573
21	**6-1-2025**	**8-31-2025**	3.4199	3.4199
22	**9-1-2025**	**11-30-2025**	3.4282	3.4282
23	**12-1-2025**	**2-28-2026**	3.3684	3.3684
24	**3-1-2026**	**5-31-2026**	3.3759	3.3759
25	**6-1-2026**	**8-31-2026**	3.3538	3.3538
26	**9-1-2026**	**11-30-2026**	3.3608	3.3608
27	**12-1-2026**	**2-28-2027**	3.3030	3.3030
28	**3-1-2027**	**5-31-2027**	3.3124	3.3124
29	**6-1-2027**	**8-31-2027**	3.2913	3.2913
30	**9-1-2027**	**11-30-2027**	3.2970	3.2970
31	**12-1-2027**	**2-29-2028**	3.2777	3.2777
32	**3-1-2028**	**5-31-2028**	3.2537	3.2537
33	**6-1-2028**	**8-31-2028**	3.2338	3.2338
34	**9-1-2028**	**11-30-2028**	3.2379	3.2379
35	**12-1-2028**	**2-28-2029**	3.1810	3.1810
36	**3-1-2029**	**5-31-2029**	3.1932	3.1932
37	**6-1-2029**	**8-31-2029**	3.1746	3.1746
38	**9-1-2029**	**11-30-2029**	3.1768	3.1768
39	**12-1-2029**	**2-28-2030**	3.0232	3.0232
40	**3-1-2030**	**5-31-2030**	2.9830	2.9830
41	**6-1-2030**	**8-31-2030**	2.9657	2.9657
42	**9-1-2030**	**11-30-2030**	2.9675	2.9675

43	**12-1-2030**	**2-28-2031**	2.9151	2.9151
44	**3-1-2031**	**5-31-2031**	2.9291	2.9291
45	**6-1-2031**	**8-31-2031**	2.9133	2.9133
46	**9-1-2031**	**11-30-2031**	2.9128	2.9128
47	**12-1-2031**	**2-29-2032**	2.8912	2.8912
48	**3-1-2032**	**5-31-2032**	2.8752	2.8752
49	**6-1-2032**	**8-31-2032**	3.6404	3.6404
50	**9-1-2032**	**11-30-2032**	3.6448	3.6448
51	**12-1-2032**	**2-28-2033**	3.5859	3.5859
52	**3-1-2033**	**5-31-2033**	3.6135	3.6135
53	**6-1-2033**	**8-31-2033**	3.5968	3.5968
54	**9-1-2033**	**11-30-2033**	3.5905	3.5905
55	**12-1-2033**	**2-28-2034**	3.5361	3.5361
56	**3-1-2034**	**5-31-2034**	3.5677	3.5677
57	**6-1-2034**	**8-31-2034**	3.5522	3.5522
58	**9-1-2034**	**11-30-2034**	3.5440	3.5440
59	**12-1-2034**	**2-28-2035**	3.4747	3.4747
60	**3-1-2035**	**5-31-2035**	3.4989	3.4989
61	**6-1-2035**	**8-31-2035**	3.4843	3.4843
62	**9-1-2035**	**11-30-2035**	3.4752	3.4752
63	**12-1-2035**	**2-29-2036**	3.4893	3.4893
64	**3-1-2036**	**5-31-2036**	3.4989	3.4989
65	**6-1-2036**	**8-31-2036**	3.4843	3.4843
66	**9-1-2036**	**11-30-2036**	3.4752	3.4752
67	**12-1-2036**	**2-28-2037**	3.4509	3.4509
68	**3-1-2037**	**5-31-2037**	3.4989	3.4989
69	**6-1-2037**	**8-31-2037**	3.4843	3.4843

70	**9-1-2037**	**11-30-2037**	3.4752	3.4752
71	**12-1-2037**	**2-28-2038**	3.4509	3.4509
72	**3-1-2038**	**5-31-2038**	3.4989	3.4989
73	**6-1-2038**	**8-31-2038**	3.4843	3.4843
74	**9-1-2038**	**11-30-2038**	0.5634	0.5634
75	**12-1-2038**	**2-28-2039**	0.2053	0.2053
76	**3-1-2039**	**5-31-2039**	0.2097	0.2097
77	**6-1-2039**	**8-31-2039**	0.1345	0.1345
		Highest	3.6448	3.6448

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	22.4892	0.5693	49.3215	2.6200e-003		0.2747	0.2747		0.2747	0.2747	0.0000	80.9236	80.9236	0.0771	0.0000	82.8499
Energy	0.2610	2.2428	1.0385	0.0142		0.1804	0.1804		0.1804	0.1804	0.0000	10,846.1066	10,846.1066	0.3906	0.1179	10,891.0184
Mobile	5.3622	39.1891	70.6861	0.4153	45.4118	0.1694	45.5812	12.1651	0.1577	12.3228	0.0000	38,798.2062	38,798.2062	1.4261	0.0000	38,833.8594
Waste						0.0000	0.0000		0.0000	0.0000	617.1636	0.0000	617.1636	36.4733	0.0000	1,528.9966
Water						0.0000	0.0000		0.0000	0.0000	119.4131	2,494.4337	2,613.8468	12.3679	0.3109	3,015.6934
Total	**28.1125**	**42.0012**	**121.0461**	**0.4322**	**45.4118**	**0.6245**	**46.0362**	**12.1651**	**0.6127**	**12.7778**	**736.5767**	**52,219.6701**	**52,956.2468**	**50.7350**	**0.4289**	**54,352.4177**

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	22.4892	0.5693	49.3215	2.6200e-003		0.2747	0.2747		0.2747	0.2747	0.0000	80.9236	80.9236	0.0771	0.0000	82.8499
Energy	0.2610	2.2428	1.0385	0.0142		0.1804	0.1804		0.1804	0.1804	0.0000	10,846.1066	10,846.1066	0.3906	0.1179	10,891.0184
Mobile	4.6941	35.8435	56.3677	0.3226	34.3976	0.1325	34.5301	9.2146	0.1233	9.3379	0.0000	30,165.7729	30,165.7729	1.1540	0.0000	30,194.6231
Waste						0.0000	0.0000		0.0000	0.0000	617.1636	0.0000	617.1636	36.4733	0.0000	1,528.9966
Water						0.0000	0.0000		0.0000	0.0000	95.5305	2,182.1176	2,277.6481	9.9020	0.2503	2,599.7928
Total	**27.4444**	**38.6556**	**106.7277**	**0.3395**	**34.3976**	**0.5876**	**34.9852**	**9.2146**	**0.5784**	**9.7929**	**712.6941**	**43,274.9207**	**43,987.6148**	**47.9970**	**0.3683**	**45,297.2808**

	ROG	NOx	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	**2.38**	**7.97**	**11.83**	**21.45**	**24.25**	**5.91**	**24.01**	**24.25**	**5.61**	**23.36**	**3.24**	**17.13**	**16.94**	**5.40**	**14.13**	**16.66**

3.0 Construction Detail

Construction Phase

Compton Hub City Specific Plan - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	12/10/2021	5	400	
2	Site Preparation	Site Preparation	12/11/2021	11/25/2022	5	250	
3	Grading	Grading	11/26/2022	4/25/2025	5	630	
4	Building Construction	Building Construction	4/26/2025	9/10/2038	5	3490	
5	Architectural Coating	Architectural Coating	6/2/2032	9/10/2038	5	1638	
6	Paving	Paving	9/11/2038	7/29/2039	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 28.55

Residential Indoor: 9,725,723; Residential Outdoor: 3,241,908; Non-Residential Indoor: 799,517; Non-Residential Outdoor: 266,506; Striped Parking Area: 74,618 (Architectural Coating – sqft)

OffRoad Equipment

Compton Hub City Specific Plan - South Coast AQMD Air District, 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	4,093.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4,548.00	957.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	910.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					0.1705	0.0000	0.1705	0.0258	0.0000	0.0258	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2550	2.5565	1.6750	2.9900e-003		0.1277	0.1277		0.1187	0.1187	0.0000	261.7893	261.7893	0.0739	0.0000	263.6368
Total	**0.2550**	**2.5565**	**1.6750**	**2.9900e-003**	**0.1705**	**0.1277**	**0.2983**	**0.0258**	**0.1187**	**0.1445**	**0.0000**	**261.7893**	**261.7893**	**0.0739**	**0.0000**	**263.6368**

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	6.0600e-003	0.2211	0.0441	6.1000e-004	0.0298	7.0000e-004	0.0305	7.7200e-003	6.7000e-004	8.3800e-003	0.0000	59.4583	59.4583	4.1000e-003	0.0000	59.5607
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	5.1600e-003	3.9500e-003	0.0437	1.3000e-004	0.0127	1.0000e-004	0.0128	3.3700e-003	9.0000e-005	3.4600e-003	0.0000	11.4075	11.4075	3.3000e-004	0.0000	11.4157
Total	**0.0112**	**0.2250**	**0.0878**	**7.4000e-004**	**0.0425**	**8.0000e-004**	**0.0433**	**0.0111**	**7.6000e-004**	**0.0118**	**0.0000**	**70.8658**	**70.8658**	**4.4300e-003**	**0.0000**	**70.9764**

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					0.0767	0.0000	0.0767	0.0116	0.0000	0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2550	2.5565	1.6750	2.9900e-003		0.1277	0.1277		0.1187	0.1187	0.0000	261.7890	261.7890	0.0739	0.0000	263.6365
Total	**0.2550**	**2.5565**	**1.6750**	**2.9900e-003**	**0.0767**	**0.1277**	**0.2045**	**0.0116**	**0.1187**	**0.1303**	**0.0000**	**261.7890**	**261.7890**	**0.0739**	**0.0000**	**263.6365**

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	6.0600e-003	0.2211	0.0441	6.1000e-004	0.0298	7.0000e-004	0.0305	7.7200e-003	6.7000e-004	8.3800e-003	0.0000	59.4583	59.4583	4.1000e-003	0.0000	59.5607
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	5.1600e-003	3.9500e-003	0.0437	1.3000e-004	0.0127	1.0000e-004	0.0128	3.3700e-003	9.0000e-005	3.4600e-003	0.0000	11.4075	11.4075	3.3000e-004	0.0000	11.4157
Total	**0.0112**	**0.2250**	**0.0878**	**7.4000e-004**	**0.0425**	**8.0000e-004**	**0.0433**	**0.0111**	**7.6000e-004**	**0.0118**	**0.0000**	**70.8658**	**70.8658**	**4.4300e-003**	**0.0000**	**70.9764**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2724	0.0000	0.2724	0.0412	0.0000	0.0412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3893	3.8672	2.6525	4.7700e-003		0.1908	0.1908		0.1773	0.1773	0.0000	418.2097	418.2097	0.1177	0.0000	421.1524
Total	**0.3893**	**3.8672**	**2.6525**	**4.7700e-003**	**0.2724**	**0.1908**	**0.4632**	**0.0412**	**0.1773**	**0.2185**	**0.0000**	**418.2097**	**418.2097**	**0.1177**	**0.0000**	**421.1524**

3.2 Demolition - 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	9.2400e-003	0.3280	0.0696	9.6000e-004	0.0318	9.9000e-004	0.0328	8.4400e-003	9.5000e-004	9.3900e-003	0.0000	93.9794	93.9794	6.4300e-003	0.0000	94.1403
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	7.6900e-003	5.6800e-003	0.0643	2.0000e-004	0.0202	1.5000e-004	0.0204	5.3800e-003	1.4000e-004	5.5200e-003	0.0000	17.6319	17.6319	4.7000e-004	0.0000	17.6438
Total	**0.0169**	**0.3337**	**0.1339**	**1.1600e-003**	**0.0521**	**1.1400e-003**	**0.0532**	**0.0138**	**1.0900e-003**	**0.0149**	**0.0000**	**111.6113**	**111.6113**	**6.9000e-003**	**0.0000**	**111.7840**

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					0.1226	0.0000	0.1226	0.0186	0.0000	0.0186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3893	3.8672	2.6525	4.7700e-003		0.1908	0.1908		0.1773	0.1773	0.0000	418.2092	418.2092	0.1177	0.0000	421.1519
Total	**0.3893**	**3.8672**	**2.6525**	**4.7700e-003**	**0.1226**	**0.1908**	**0.3134**	**0.0186**	**0.1773**	**0.1958**	**0.0000**	**418.2092**	**418.2092**	**0.1177**	**0.0000**	**421.1519**

3.2 Demolition - 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	9.2400e-003	0.3280	0.0696	9.6000e-004	0.0318	9.9000e-004	0.0328	8.4400e-003	9.5000e-004	9.3900e-003	0.0000	93.9794	93.9794	6.4300e-003	0.0000	94.1403
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	7.6900e-003	5.6800e-003	0.0643	2.0000e-004	0.0202	1.5000e-004	0.0204	5.3800e-003	1.4000e-004	5.5200e-003	0.0000	17.6319	17.6319	4.7000e-004	0.0000	17.6438
Total	**0.0169**	**0.3337**	**0.1339**	**1.1600e-003**	**0.0521**	**1.1400e-003**	**0.0532**	**0.0138**	**1.0900e-003**	**0.0149**	**0.0000**	**111.6113**	**111.6113**	**6.9000e-003**	**0.0000**	**111.7840**

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					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0292	0.3037	0.1587	2.9000e-004		0.0153	0.0153		0.0141	0.0141	0.0000	25.0768	25.0768	8.1100e-003	0.0000	25.2796
Total	**0.0292**	**0.3037**	**0.1587**	**2.9000e-004**	**0.1355**	**0.0153**	**0.1508**	**0.0745**	**0.0141**	**0.0886**	**0.0000**	**25.0768**	**25.0768**	**8.1100e-003**	**0.0000**	**25.2796**

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	5.6000e-004	4.2000e-004	4.7000e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2901	1.2901	3.0000e-005	0.0000	1.2910
Total	**5.6000e-004**	**4.2000e-004**	**4.7000e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.2901**	**1.2901**	**3.0000e-005**	**0.0000**	**1.2910**

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					0.0610	0.0000	0.0610	0.0335	0.0000	0.0335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0292	0.3037	0.1587	2.9000e-004		0.0153	0.0153		0.0141	0.0141	0.0000	25.0768	25.0768	8.1100e-003	0.0000	25.2795
Total	**0.0292**	**0.3037**	**0.1587**	**2.9000e-004**	**0.0610**	**0.0153**	**0.0763**	**0.0335**	**0.0141**	**0.0476**	**0.0000**	**25.0768**	**25.0768**	**8.1100e-003**	**0.0000**	**25.2795**

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	5.6000e-004	4.2000e-004	4.7000e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2901	1.2901	3.0000e-005	0.0000	1.2910
Total	**5.6000e-004**	**4.2000e-004**	**4.7000e-003**	**1.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.2901**	**1.2901**	**3.0000e-005**	**0.0000**	**1.2910**

3.3 Site Preparation - 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					2.1228	0.0000	2.1228	1.1669	0.0000	1.1669	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3725	3.8873	2.3145	4.4700e-003		0.1895	0.1895		0.1743	0.1743	0.0000	392.9128	392.9128	0.1271	0.0000	396.0897
Total	**0.3725**	**3.8873**	**2.3145**	**4.4700e-003**	**2.1228**	**0.1895**	**2.3123**	**1.1669**	**0.1743**	**1.3412**	**0.0000**	**392.9128**	**392.9128**	**0.1271**	**0.0000**	**396.0897**

3.3 Site Preparation - 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	8.2800e-003	5.8800e-003	0.0681	2.2000e-004	0.0232	1.7000e-004	0.0234	6.1600e-003	1.6000e-004	6.3200e-003	0.0000	19.4876	19.4876	4.9000e-004	0.0000	19.4998
Total	**8.2800e-003**	**5.8800e-003**	**0.0681**	**2.2000e-004**	**0.0232**	**1.7000e-004**	**0.0234**	**6.1600e-003**	**1.6000e-004**	**6.3200e-003**	**0.0000**	**19.4876**	**19.4876**	**4.9000e-004**	**0.0000**	**19.4998**

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					0.9553	0.0000	0.9553	0.5251	0.0000	0.5251	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3725	3.8873	2.3145	4.4700e-003		0.1895	0.1895		0.1743	0.1743	0.0000	392.9124	392.9124	0.1271	0.0000	396.0893
Total	**0.3725**	**3.8873**	**2.3145**	**4.4700e-003**	**0.9553**	**0.1895**	**1.1447**	**0.5251**	**0.1743**	**0.6994**	**0.0000**	**392.9124**	**392.9124**	**0.1271**	**0.0000**	**396.0893**

3.3 Site Preparation - 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	8.2800e-003	5.8800e-003	0.0681	2.2000e-004	0.0232	1.7000e-004	0.0234	6.1600e-003	1.6000e-004	6.3200e-003	0.0000	19.4876	19.4876	4.9000e-004	0.0000	19.4998
Total	**8.2800e-003**	**5.8800e-003**	**0.0681**	**2.2000e-004**	**0.0232**	**1.7000e-004**	**0.0234**	**6.1600e-003**	**1.6000e-004**	**6.3200e-003**	**0.0000**	**19.4876**	**19.4876**	**4.9000e-004**	**0.0000**	**19.4998**

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					0.4862	0.0000	0.4862	0.0858	0.0000	0.0858	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0453	0.4855	0.3630	7.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	68.1683	68.1683	0.0221	0.0000	68.7194
Total	**0.0453**	**0.4855**	**0.3630**	**7.8000e-004**	**0.4862**	**0.0204**	**0.5067**	**0.0858**	**0.0188**	**0.1046**	**0.0000**	**68.1683**	**68.1683**	**0.0221**	**0.0000**	**68.7194**

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	9.8000e-004	7.0000e-004	8.0400e-003	3.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3035	2.3035	6.0000e-005	0.0000	2.3049
Total	**9.8000e-004**	**7.0000e-004**	**8.0400e-003**	**3.0000e-005**	**2.7400e-003**	**2.0000e-005**	**2.7600e-003**	**7.3000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.3035**	**2.3035**	**6.0000e-005**	**0.0000**	**2.3049**

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					0.2188	0.0000	0.2188	0.0386	0.0000	0.0386	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0453	0.4855	0.3630	7.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	68.1682	68.1682	0.0221	0.0000	68.7193
Total	**0.0453**	**0.4855**	**0.3630**	**7.8000e-004**	**0.2188**	**0.0204**	**0.2392**	**0.0386**	**0.0188**	**0.0574**	**0.0000**	**68.1682**	**68.1682**	**0.0221**	**0.0000**	**68.7193**

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	9.8000e-004	7.0000e-004	8.0400e-003	3.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3035	2.3035	6.0000e-005	0.0000	2.3049
Total	**9.8000e-004**	**7.0000e-004**	**8.0400e-003**	**3.0000e-005**	**2.7400e-003**	**2.0000e-005**	**2.7600e-003**	**7.3000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.3035**	**2.3035**	**6.0000e-005**	**0.0000**	**2.3049**

3.4 Grading - 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					
Fugitive Dust					1.1938	0.0000	1.1938	0.4747	0.0000	0.4747	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4318	4.4870	3.6467	8.0700e-003		0.1852	0.1852		0.1704	0.1704	0.0000	708.9577	708.9577	0.2293	0.0000	714.6900
Total	**0.4318**	**4.4870**	**3.6467**	**8.0700e-003**	**1.1938**	**0.1852**	**1.3790**	**0.4747**	**0.1704**	**0.6451**	**0.0000**	**708.9577**	**708.9577**	**0.2293**	**0.0000**	**714.6900**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5800e-003	6.5400e-003	0.0771	2.5000e-004	0.0285	2.0000e-004	0.0287	7.5800e-003	1.9000e-004	7.7600e-003	0.0000	23.0629	23.0629	5.4000e-004	0.0000	23.0765
Total	**9.5800e-003**	**6.5400e-003**	**0.0771**	**2.5000e-004**	**0.0285**	**2.0000e-004**	**0.0287**	**7.5800e-003**	**1.9000e-004**	**7.7600e-003**	**0.0000**	**23.0629**	**23.0629**	**5.4000e-004**	**0.0000**	**23.0765**

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					0.5372	0.0000	0.5372	0.2136	0.0000	0.2136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4318	4.4870	3.6467	8.0700e-003		0.1852	0.1852		0.1704	0.1704	0.0000	708.9569	708.9569	0.2293	0.0000	714.6891
Total	**0.4318**	**4.4870**	**3.6467**	**8.0700e-003**	**0.5372**	**0.1852**	**0.7224**	**0.2136**	**0.1704**	**0.3840**	**0.0000**	**708.9569**	**708.9569**	**0.2293**	**0.0000**	**714.6891**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5800e-003	6.5400e-003	0.0771	2.5000e-004	0.0285	2.0000e-004	0.0287	7.5800e-003	1.9000e-004	7.7600e-003	0.0000	23.0629	23.0629	5.4000e-004	0.0000	23.0765
Total	**9.5800e-003**	**6.5400e-003**	**0.0771**	**2.5000e-004**	**0.0285**	**2.0000e-004**	**0.0287**	**7.5800e-003**	**1.9000e-004**	**7.7600e-003**	**0.0000**	**23.0629**	**23.0629**	**5.4000e-004**	**0.0000**	**23.0765**

3.4 Grading - 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					
Fugitive Dust					1.1998	0.0000	1.1998	0.4780	0.0000	0.4780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4216	4.2414	3.6317	8.1300e-003		0.1749	0.1749		0.1609	0.1609	0.0000	714.2058	714.2058	0.2310	0.0000	719.9805
Total	**0.4216**	**4.2414**	**3.6317**	**8.1300e-003**	**1.1998**	**0.1749**	**1.3748**	**0.4780**	**0.1609**	**0.6390**	**0.0000**	**714.2058**	**714.2058**	**0.2310**	**0.0000**	**719.9805**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.1500e-003	6.0100e-003	0.0725	2.5000e-004	0.0287	2.0000e-004	0.0290	7.6300e-003	1.9000e-004	7.8200e-003	0.0000	22.4755	22.4755	5.0000e-004	0.0000	22.4880
Total	**9.1500e-003**	**6.0100e-003**	**0.0725**	**2.5000e-004**	**0.0287**	**2.0000e-004**	**0.0290**	**7.6300e-003**	**1.9000e-004**	**7.8200e-003**	**0.0000**	**22.4755**	**22.4755**	**5.0000e-004**	**0.0000**	**22.4880**

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					0.5399	0.0000	0.5399	0.2151	0.0000	0.2151	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4216	4.2414	3.6317	8.1300e-003		0.1749	0.1749		0.1609	0.1609	0.0000	714.2049	714.2049	0.2310	0.0000	719.9796
Total	**0.4216**	**4.2414**	**3.6317**	**8.1300e-003**	**0.5399**	**0.1749**	**0.7149**	**0.2151**	**0.1609**	**0.3761**	**0.0000**	**714.2049**	**714.2049**	**0.2310**	**0.0000**	**719.9796**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.1500e-003	6.0100e-003	0.0725	2.5000e-004	0.0287	2.0000e-004	0.0290	7.6300e-003	1.9000e-004	7.8200e-003	0.0000	22.4755	22.4755	5.0000e-004	0.0000	22.4880
Total	**9.1500e-003**	**6.0100e-003**	**0.0725**	**2.5000e-004**	**0.0287**	**2.0000e-004**	**0.0290**	**7.6300e-003**	**1.9000e-004**	**7.8200e-003**	**0.0000**	**22.4755**	**22.4755**	**5.0000e-004**	**0.0000**	**22.4880**

3.4 Grading - 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					
Fugitive Dust					0.6609	0.0000	0.6609	0.1818	0.0000	0.1818	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1204	1.1596	1.0927	2.5800e-003		0.0469	0.0469		0.0432	0.0432	0.0000	226.2008	226.2008	0.0732	0.0000	228.0297
Total	**0.1204**	**1.1596**	**1.0927**	**2.5800e-003**	**0.6609**	**0.0469**	**0.7078**	**0.1818**	**0.0432**	**0.2249**	**0.0000**	**226.2008**	**226.2008**	**0.0732**	**0.0000**	**228.0297**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	2.7600e-003	1.7400e-003	0.0213	8.0000e-005	9.1100e-003	6.0000e-005	9.1700e-003	2.4200e-003	6.0000e-005	2.4800e-003	0.0000	6.8396	6.8396	1.4000e-004	0.0000	6.8432
Total	**2.7600e-003**	**1.7400e-003**	**0.0213**	**8.0000e-005**	**9.1100e-003**	**6.0000e-005**	**9.1700e-003**	**2.4200e-003**	**6.0000e-005**	**2.4800e-003**	**0.0000**	**6.8396**	**6.8396**	**1.4000e-004**	**0.0000**	**6.8432**

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					0.2974	0.0000	0.2974	0.0818	0.0000	0.0818	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1204	1.1596	1.0927	2.5800e-003		0.0469	0.0469		0.0432	0.0432	0.0000	226.2005	226.2005	0.0732	0.0000	228.0295
Total	**0.1204**	**1.1596**	**1.0927**	**2.5800e-003**	**0.2974**	**0.0469**	**0.3443**	**0.0818**	**0.0432**	**0.1250**	**0.0000**	**226.2005**	**226.2005**	**0.0732**	**0.0000**	**228.0295**

3.4 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	2.7600e-003	1.7400e-003	0.0213	8.0000e-005	9.1100e-003	6.0000e-005	9.1700e-003	2.4200e-003	6.0000e-005	2.4800e-003	0.0000	6.8396	6.8396	1.4000e-004	0.0000	6.8432
Total	**2.7600e-003**	**1.7400e-003**	**0.0213**	**8.0000e-005**	**9.1100e-003**	**6.0000e-005**	**9.1700e-003**	**2.4200e-003**	**6.0000e-005**	**2.4800e-003**	**0.0000**	**6.8396**	**6.8396**	**1.4000e-004**	**0.0000**	**6.8432**

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	0.1217	1.1098	1.4315	2.4000e-003		0.0470	0.0470		0.0442	0.0442	0.0000	206.4083	206.4083	0.0485	0.0000	207.6213
Total	**0.1217**	**1.1098**	**1.4315**	**2.4000e-003**		**0.0470**	**0.0470**		**0.0442**	**0.0442**	**0.0000**	**206.4083**	**206.4083**	**0.0485**	**0.0000**	**207.6213**

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	0.1617	5.8139	1.6318	0.0204	0.5369	6.5000e-003	0.5434	0.1549	6.2100e-003	0.1611	0.0000	1,980.7855	1,980.7855	0.1065	0.0000	1,983.4474
Worker	1.3441	0.8488	10.4023	0.0369	4.4409	0.0305	4.4714	1.1794	0.0281	1.2075	0.0000	3,335.5292	3,335.5292	0.0704	0.0000	3,337.2900
Total	**1.5058**	**6.6627**	**12.0342**	**0.0573**	**4.9777**	**0.0370**	**5.0147**	**1.3343**	**0.0343**	**1.3686**	**0.0000**	**5,316.3146**	**5,316.3146**	**0.1769**	**0.0000**	**5,320.7373**

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	0.1217	1.1098	1.4315	2.4000e-003		0.0470	0.0470		0.0442	0.0442	0.0000	206.4081	206.4081	0.0485	0.0000	207.6211
Total	**0.1217**	**1.1098**	**1.4315**	**2.4000e-003**		**0.0470**	**0.0470**		**0.0442**	**0.0442**	**0.0000**	**206.4081**	**206.4081**	**0.0485**	**0.0000**	**207.6211**

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	0.1617	5.8139	1.6318	0.0204	0.5369	6.5000e-003	0.5434	0.1549	6.2100e-003	0.1611	0.0000	1,980.7855	1,980.7855	0.1065	0.0000	1,983.4474
Worker	1.3441	0.8488	10.4023	0.0369	4.4409	0.0305	4.4714	1.1794	0.0281	1.2075	0.0000	3,335.5292	3,335.5292	0.0704	0.0000	3,337.2900
Total	**1.5058**	**6.6627**	**12.0342**	**0.0573**	**4.9777**	**0.0370**	**5.0147**	**1.3343**	**0.0343**	**1.3686**	**0.0000**	**5,316.3146**	**5,316.3146**	**0.1769**	**0.0000**	**5,320.7373**

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	0.2317	8.4439	2.3426	0.0297	0.7872	9.3500e-003	0.7966	0.2271	8.9400e-003	0.2361	0.0000	2,888.7047	2,888.7047	0.1536	0.0000	2,892.5435
Worker	1.8831	1.1458	14.2549	0.0521	6.5116	0.0432	6.5549	1.7293	0.0398	1.7691	0.0000	4,717.4633	4,717.4633	0.0946	0.0000	4,719.8278
Total	**2.1149**	**9.5897**	**16.5975**	**0.0819**	**7.2988**	**0.0526**	**7.3514**	**1.9565**	**0.0487**	**2.0052**	**0.0000**	**7,606.1679**	**7,606.1679**	**0.2481**	**0.0000**	**7,612.3713**

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	0.2317	8.4439	2.3426	0.0297	0.7872	9.3500e-003	0.7966	0.2271	8.9400e-003	0.2361	0.0000	2,888.7047	2,888.7047	0.1536	0.0000	2,892.5435
Worker	1.8831	1.1458	14.2549	0.0521	6.5116	0.0432	6.5549	1.7293	0.0398	1.7691	0.0000	4,717.4633	4,717.4633	0.0946	0.0000	4,719.8278
Total	**2.1149**	**9.5897**	**16.5975**	**0.0819**	**7.2988**	**0.0526**	**7.3514**	**1.9565**	**0.0487**	**2.0052**	**0.0000**	**7,606.1679**	**7,606.1679**	**0.2481**	**0.0000**	**7,612.3713**

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	0.2272	8.3657	2.3022	0.0296	0.7872	9.1700e-003	0.7964	0.2271	8.7700e-003	0.2359	0.0000	2,874.6953	2,874.6953	0.1510	0.0000	2,878.4706
Worker	1.7970	1.0568	13.3652	0.0504	6.5116	0.0409	6.5525	1.7293	0.0376	1.7669	0.0000	4,564.5700	4,564.5700	0.0868	0.0000	4,566.7390
Total	**2.0242**	**9.4226**	**15.6674**	**0.0800**	**7.2988**	**0.0501**	**7.3489**	**1.9565**	**0.0464**	**2.0029**	**0.0000**	**7,439.2653**	**7,439.2653**	**0.2378**	**0.0000**	**7,445.2097**

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	0.2272	8.3657	2.3022	0.0296	0.7872	9.1700e-003	0.7964	0.2271	8.7700e-003	0.2359	0.0000	2,874.6953	2,874.6953	0.1510	0.0000	2,878.4706
Worker	1.7970	1.0568	13.3652	0.0504	6.5116	0.0409	6.5525	1.7293	0.0376	1.7669	0.0000	4,564.5700	4,564.5700	0.0868	0.0000	4,566.7390
Total	**2.0242**	**9.4226**	**15.6674**	**0.0800**	**7.2988**	**0.0501**	**7.3489**	**1.9565**	**0.0464**	**2.0029**	**0.0000**	**7,439.2653**	**7,439.2653**	**0.2378**	**0.0000**	**7,445.2097**

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	0.2225	8.2696	2.2624	0.0293	0.7842	9.0000e-003	0.7932	0.2263	8.6000e-003	0.2349	0.0000	2,851.8184	2,851.8184	0.1481	0.0000	2,855.5201
Worker	1.7011	0.9733	12.5372	0.0488	6.4867	0.0377	6.5244	1.7227	0.0347	1.7574	0.0000	4,412.9621	4,412.9621	0.0797	0.0000	4,414.9550
Total	**1.9236**	**9.2428**	**14.7996**	**0.0781**	**7.2709**	**0.0467**	**7.3176**	**1.9490**	**0.0433**	**1.9923**	**0.0000**	**7,264.7805**	**7,264.7805**	**0.2278**	**0.0000**	**7,270.4751**

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	0.2225	8.2696	2.2624	0.0293	0.7842	9.0000e-003	0.7932	0.2263	8.6000e-003	0.2349	0.0000	2,851.8184	2,851.8184	0.1481	0.0000	2,855.5201
Worker	1.7011	0.9733	12.5372	0.0488	6.4867	0.0377	6.5244	1.7227	0.0347	1.7574	0.0000	4,412.9621	4,412.9621	0.0797	0.0000	4,414.9550
Total	**1.9236**	**9.2428**	**14.7996**	**0.0781**	**7.2709**	**0.0467**	**7.3176**	**1.9490**	**0.0433**	**1.9923**	**0.0000**	**7,264.7805**	**7,264.7805**	**0.2278**	**0.0000**	**7,270.4751**

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	0.2198	8.2384	2.2421	0.0293	0.7872	8.8800e-003	0.7961	0.2271	8.4800e-003	0.2356	0.0000	2,852.1838	2,852.1838	0.1465	0.0000	2,855.8473
Worker	1.6073	0.8999	11.8170	0.0476	6.5116	0.0352	6.5468	1.7293	0.0324	1.7617	0.0000	4,310.5548	4,310.5548	0.0734	0.0000	4,312.3902
Total	**1.8271**	**9.1382**	**14.0591**	**0.0769**	**7.2988**	**0.0441**	**7.3429**	**1.9565**	**0.0409**	**1.9973**	**0.0000**	**7,162.7385**	**7,162.7385**	**0.2200**	**0.0000**	**7,168.2375**

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	0.2198	8.2384	2.2421	0.0293	0.7872	8.8800e-003	0.7961	0.2271	8.4800e-003	0.2356	0.0000	2,852.1838	2,852.1838	0.1465	0.0000	2,855.8473
Worker	1.6073	0.8999	11.8170	0.0476	6.5116	0.0352	6.5468	1.7293	0.0324	1.7617	0.0000	4,310.5548	4,310.5548	0.0734	0.0000	4,312.3902
Total	**1.8271**	**9.1382**	**14.0591**	**0.0769**	**7.2988**	**0.0441**	**7.3429**	**1.9565**	**0.0409**	**1.9973**	**0.0000**	**7,162.7385**	**7,162.7385**	**0.2200**	**0.0000**	**7,168.2375**

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	0.2168	8.1778	2.2201	0.0292	0.7872	8.7200e-003	0.7959	0.2272	8.3400e-003	0.2355	0.0000	2,842.6807	2,842.6807	0.1446	0.0000	2,846.2961
Worker	1.5048	0.8269	11.1070	0.0464	6.5116	0.0328	6.5444	1.7293	0.0301	1.7595	0.0000	4,204.6597	4,204.6597	0.0673	0.0000	4,206.3432
Total	**1.7216**	**9.0047**	**13.3271**	**0.0756**	**7.2989**	**0.0415**	**7.3403**	**1.9565**	**0.0385**	**1.9950**	**0.0000**	**7,047.3404**	**7,047.3404**	**0.2120**	**0.0000**	**7,052.6393**

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	0.2168	8.1778	2.2201	0.0292	0.7872	8.7200e-003	0.7959	0.2272	8.3400e-003	0.2355	0.0000	2,842.6807	2,842.6807	0.1446	0.0000	2,846.2961
Worker	1.5048	0.8269	11.1070	0.0464	6.5116	0.0328	6.5444	1.7293	0.0301	1.7595	0.0000	4,204.6597	4,204.6597	0.0673	0.0000	4,206.3432
Total	**1.7216**	**9.0047**	**13.3271**	**0.0756**	**7.2989**	**0.0415**	**7.3403**	**1.9565**	**0.0385**	**1.9950**	**0.0000**	**7,047.3404**	**7,047.3404**	**0.2120**	**0.0000**	**7,052.6393**

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	0.2158	8.1465	2.2145	0.0292	0.7872	8.6200e-003	0.7958	0.2272	8.2400e-003	0.2354	0.0000	2,839.9332	2,839.9332	0.1431	0.0000	2,843.5113
Worker	1.3929	0.7552	10.4407	0.0455	6.5116	0.0307	6.5423	1.7293	0.0282	1.7575	0.0000	4,117.7300	4,117.7300	0.0617	0.0000	4,119.2733
Total	**1.6087**	**8.9017**	**12.6553**	**0.0746**	**7.2989**	**0.0393**	**7.3381**	**1.9565**	**0.0364**	**1.9929**	**0.0000**	**6,957.6632**	**6,957.6632**	**0.2049**	**0.0000**	**6,962.7845**

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	0.2158	8.1465	2.2145	0.0292	0.7872	8.6200e-003	0.7958	0.2272	8.2400e-003	0.2354	0.0000	2,839.9332	2,839.9332	0.1431	0.0000	2,843.5113
Worker	1.3929	0.7552	10.4407	0.0455	6.5116	0.0307	6.5423	1.7293	0.0282	1.7575	0.0000	4,117.7300	4,117.7300	0.0617	0.0000	4,119.2733
Total	**1.6087**	**8.9017**	**12.6553**	**0.0746**	**7.2989**	**0.0393**	**7.3381**	**1.9565**	**0.0364**	**1.9929**	**0.0000**	**6,957.6632**	**6,957.6632**	**0.2049**	**0.0000**	**6,962.7845**

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	0.2147	8.1255	2.2131	0.0292	0.7902	8.5400e-003	0.7988	0.2280	8.1600e-003	0.2362	0.0000	2,845.1606	2,845.1606	0.1423	0.0000	2,848.7184
Worker	1.2979	0.6952	9.8593	0.0447	6.5366	0.0287	6.5653	1.7360	0.0264	1.7623	0.0000	4,050.5383	4,050.5383	0.0568	0.0000	4,051.9578
Total	**1.5126**	**8.8207**	**12.0724**	**0.0739**	**7.3268**	**0.0372**	**7.3640**	**1.9640**	**0.0345**	**1.9985**	**0.0000**	**6,895.6990**	**6,895.6990**	**0.1991**	**0.0000**	**6,900.6762**

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	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	0.2147	8.1255	2.2131	0.0292	0.7902	8.5400e-003	0.7988	0.2280	8.1600e-003	0.2362	0.0000	2,845.1606	2,845.1606	0.1423	0.0000	2,848.7184
Worker	1.2979	0.6952	9.8593	0.0447	6.5366	0.0287	6.5653	1.7360	0.0264	1.7623	0.0000	4,050.5383	4,050.5383	0.0568	0.0000	4,051.9578
Total	**1.5126**	**8.8207**	**12.0724**	**0.0739**	**7.3268**	**0.0372**	**7.3640**	**1.9640**	**0.0345**	**1.9985**	**0.0000**	**6,895.6990**	**6,895.6990**	**0.1991**	**0.0000**	**6,900.6762**

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	0.2118	8.0165	2.1896	0.0289	0.7842	8.3700e-003	0.7926	0.2263	8.0000e-003	0.2343	0.0000	2,819.0748	2,819.0748	0.1400	0.0000	2,822.5758
Worker	1.2028	0.6372	9.2560	0.0436	6.4867	0.0266	6.5133	1.7227	0.0245	1.7472	0.0000	3,947.7463	3,947.7463	0.0520	0.0000	3,949.0450
Total	**1.4146**	**8.6536**	**11.4457**	**0.0725**	**7.2709**	**0.0350**	**7.3059**	**1.9490**	**0.0325**	**1.9815**	**0.0000**	**6,766.8211**	**6,766.8211**	**0.1920**	**0.0000**	**6,771.6208**

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	0.2118	8.0165	2.1896	0.0289	0.7842	8.3700e-003	0.7926	0.2263	8.0000e-003	0.2343	0.0000	2,819.0748	2,819.0748	0.1400	0.0000	2,822.5758
Worker	1.2028	0.6372	9.2560	0.0436	6.4867	0.0266	6.5133	1.7227	0.0245	1.7472	0.0000	3,947.7463	3,947.7463	0.0520	0.0000	3,949.0450
Total	**1.4146**	**8.6536**	**11.4457**	**0.0725**	**7.2709**	**0.0350**	**7.3059**	**1.9490**	**0.0325**	**1.9815**	**0.0000**	**6,766.8211**	**6,766.8211**	**0.1920**	**0.0000**	**6,771.6208**

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	0.1702	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 - 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	0.2106	7.9742	2.1826	0.0289	0.7842	8.2700e-003	0.7925	0.2263	7.9000e-003	0.2342	0.0000	2,815.7702	2,815.7702	0.1390	0.0000	2,819.2463
Worker	1.1312	0.5930	8.7471	0.0429	6.4867	0.0248	6.5115	1.7227	0.0229	1.7456	0.0000	3,884.8337	3,884.8337	0.0478	0.0000	3,886.0278
Total	**1.3417**	**8.5671**	**10.9297**	**0.0718**	**7.2709**	**0.0331**	**7.3040**	**1.9490**	**0.0308**	**1.9797**	**0.0000**	**6,700.6039**	**6,700.6039**	**0.1868**	**0.0000**	**6,705.2741**

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 - 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	0.2106	7.9742	2.1826	0.0289	0.7842	8.2700e-003	0.7925	0.2263	7.9000e-003	0.2342	0.0000	2,815.7702	2,815.7702	0.1390	0.0000	2,819.2463
Worker	1.1312	0.5930	8.7471	0.0429	6.4867	0.0248	6.5115	1.7227	0.0229	1.7456	0.0000	3,884.8337	3,884.8337	0.0478	0.0000	3,886.0278
Total	**1.3417**	**8.5671**	**10.9297**	**0.0718**	**7.2709**	**0.0331**	**7.3040**	**1.9490**	**0.0308**	**1.9797**	**0.0000**	**6,700.6039**	**6,700.6039**	**0.1868**	**0.0000**	**6,705.2741**

3.5 Building Construction - 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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	**0.1588**	**0.9346**	**2.1034**	**4.0400e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**343.0336**	**343.0336**	**0.0128**	**0.0000**	**343.3530**

3.5 Building Construction - 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	0.2104	7.9706	2.1841	0.0290	0.7872	8.2200e-003	0.7955	0.2272	7.8600e-003	0.2350	0.0000	2,824.0405	2,824.0405	0.1387	0.0000	2,827.5080
Worker	1.0756	0.5628	8.3589	0.0424	6.5116	0.0234	6.5350	1.7293	0.0215	1.7508	0.0000	3,845.7014	3,845.7014	0.0445	0.0000	3,846.8143
Total	**1.2860**	**8.5333**	**10.5430**	**0.0714**	**7.2989**	**0.0316**	**7.3304**	**1.9565**	**0.0294**	**1.9858**	**0.0000**	**6,669.7419**	**6,669.7419**	**0.1832**	**0.0000**	**6,674.3223**

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	**0.1588**	**0.9346**	**2.1034**	**4.0400e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**343.0332**	**343.0332**	**0.0128**	**0.0000**	**343.3526**

3.5 Building Construction - 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	0.2104	7.9706	2.1841	0.0290	0.7872	8.2200e-003	0.7955	0.2272	7.8600e-003	0.2350	0.0000	2,824.0405	2,824.0405	0.1387	0.0000	2,827.5080
Worker	1.0756	0.5628	8.3589	0.0424	6.5116	0.0234	6.5350	1.7293	0.0215	1.7508	0.0000	3,845.7014	3,845.7014	0.0445	0.0000	3,846.8143
Total	**1.2860**	**8.5333**	**10.5430**	**0.0714**	**7.2989**	**0.0316**	**7.3304**	**1.9565**	**0.0294**	**1.9858**	**0.0000**	**6,669.7419**	**6,669.7419**	**0.1832**	**0.0000**	**6,674.3223**

3.5 Building Construction - 2036

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	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	**0.1594**	**0.9381**	**2.1114**	**4.0600e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**344.3479**	**344.3479**	**0.0128**	**0.0000**	**344.6686**

3.5 Building Construction - 2036

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	0.2112	8.0011	2.1925	0.0291	0.7902	8.2500e-003	0.7985	0.2280	7.8900e-003	0.2359	0.0000	2,834.8606	2,834.8606	0.1392	0.0000	2,838.3414
Worker	1.0797	0.5649	8.3909	0.0426	6.5366	0.0235	6.5600	1.7360	0.0216	1.7575	0.0000	3,860.4359	3,860.4359	0.0447	0.0000	3,861.5530
Total	**1.2909**	**8.5660**	**10.5834**	**0.0717**	**7.3268**	**0.0317**	**7.3585**	**1.9640**	**0.0295**	**1.9934**	**0.0000**	**6,695.2965**	**6,695.2965**	**0.1839**	**0.0000**	**6,699.8944**

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	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	**0.1594**	**0.9381**	**2.1114**	**4.0600e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**344.3475**	**344.3475**	**0.0128**	**0.0000**	**344.6682**

3.5 Building Construction - 2036

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	0.2112	8.0011	2.1925	0.0291	0.7902	8.2500e-003	0.7985	0.2280	7.8900e-003	0.2359	0.0000	2,834.8606	2,834.8606	0.1392	0.0000	2,838.3414
Worker	1.0797	0.5649	8.3909	0.0426	6.5366	0.0235	6.5600	1.7360	0.0216	1.7575	0.0000	3,860.4359	3,860.4359	0.0447	0.0000	3,861.5530
Total	**1.2909**	**8.5660**	**10.5834**	**0.0717**	**7.3268**	**0.0317**	**7.3585**	**1.9640**	**0.0295**	**1.9934**	**0.0000**	**6,695.2965**	**6,695.2965**	**0.1839**	**0.0000**	**6,699.8944**

3.5 Building Construction - 2037

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	**0.1588**	**0.9346**	**2.1034**	**4.0400e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**343.0336**	**343.0336**	**0.0128**	**0.0000**	**343.3530**

3.5 Building Construction - 2037

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	0.2104	7.9706	2.1841	0.0290	0.7872	8.2200e-003	0.7955	0.2272	7.8600e-003	0.2350	0.0000	2,824.0405	2,824.0405	0.1387	0.0000	2,827.5080
Worker	1.0756	0.5628	8.3589	0.0424	6.5116	0.0234	6.5350	1.7293	0.0215	1.7508	0.0000	3,845.7014	3,845.7014	0.0445	0.0000	3,846.8143
Total	**1.2860**	**8.5333**	**10.5430**	**0.0714**	**7.2989**	**0.0316**	**7.3304**	**1.9565**	**0.0294**	**1.9858**	**0.0000**	**6,669.7419**	**6,669.7419**	**0.1832**	**0.0000**	**6,674.3223**

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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	**0.1588**	**0.9346**	**2.1034**	**4.0400e-003**		**0.0118**	**0.0118**		**0.0118**	**0.0118**	**0.0000**	**343.0332**	**343.0332**	**0.0128**	**0.0000**	**343.3526**

3.5 Building Construction - 2037

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	0.2104	7.9706	2.1841	0.0290	0.7872	8.2200e-003	0.7955	0.2272	7.8600e-003	0.2350	0.0000	2,824.0405	2,824.0405	0.1387	0.0000	2,827.5080
Worker	1.0756	0.5628	8.3589	0.0424	6.5116	0.0234	6.5350	1.7293	0.0215	1.7508	0.0000	3,845.7014	3,845.7014	0.0445	0.0000	3,846.8143
Total	**1.2860**	**8.5333**	**10.5430**	**0.0714**	**7.2989**	**0.0316**	**7.3304**	**1.9565**	**0.0294**	**1.9858**	**0.0000**	**6,669.7419**	**6,669.7419**	**0.1832**	**0.0000**	**6,674.3223**

3.5 Building Construction - 2038

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	0.1101	0.6481	1.4587	2.8000e-003		8.1800e-003	8.1800e-003		8.1800e-003	8.1800e-003	0.0000	237.8892	237.8892	8.8600e-003	0.0000	238.1107
Total	**0.1101**	**0.6481**	**1.4587**	**2.8000e-003**		**8.1800e-003**	**8.1800e-003**		**8.1800e-003**	**8.1800e-003**	**0.0000**	**237.8892**	**237.8892**	**8.8600e-003**	**0.0000**	**238.1107**

3.5 Building Construction - 2038

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	0.1459	5.5275	1.5147	0.0201	0.5459	5.7000e-003	0.5516	0.1575	5.4500e-003	0.1630	0.0000	1,958.4342	1,958.4342	0.0962	0.0000	1,960.8389
Worker	0.7459	0.3903	5.7968	0.0294	4.5157	0.0162	4.5319	1.1993	0.0149	1.2142	0.0000	2,666.9424	2,666.9424	0.0309	0.0000	2,667.7141
Total	**0.8918**	**5.9178**	**7.3114**	**0.0495**	**5.0617**	**0.0219**	**5.0836**	**1.3568**	**0.0204**	**1.3771**	**0.0000**	**4,625.3766**	**4,625.3766**	**0.1271**	**0.0000**	**4,628.5530**

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	0.1101	0.6481	1.4587	2.8000e-003		8.1800e-003	8.1800e-003		8.1800e-003	8.1800e-003	0.0000	237.8889	237.8889	8.8600e-003	0.0000	238.1105
Total	**0.1101**	**0.6481**	**1.4587**	**2.8000e-003**		**8.1800e-003**	**8.1800e-003**		**8.1800e-003**	**8.1800e-003**	**0.0000**	**237.8889**	**237.8889**	**8.8600e-003**	**0.0000**	**238.1105**

3.5 Building Construction - 2038

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	0.1459	5.5275	1.5147	0.0201	0.5459	5.7000e-003	0.5516	0.1575	5.4500e-003	0.1630	0.0000	1,958.4342	1,958.4342	0.0962	0.0000	1,960.8389
Worker	0.7459	0.3903	5.7968	0.0294	4.5157	0.0162	4.5319	1.1993	0.0149	1.2142	0.0000	2,666.9424	2,666.9424	0.0309	0.0000	2,667.7141
Total	**0.8918**	**5.9178**	**7.3114**	**0.0495**	**5.0617**	**0.0219**	**5.0836**	**1.3568**	**0.0204**	**1.3771**	**0.0000**	**4,625.3766**	**4,625.3766**	**0.1271**	**0.0000**	**4,628.5530**

3.6 Architectural Coating - 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					
Archit. Coating	1.5351					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0100	0.0655	0.1375	2.3000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	19.5324	19.5324	7.9000e-004	0.0000	19.5522
Total	**1.5451**	**0.0655**	**0.1375**	**2.3000e-004**		**1.5500e-003**	**1.5500e-003**		**1.5500e-003**	**1.5500e-003**	**0.0000**	**19.5324**	**19.5324**	**7.9000e-004**	**0.0000**	**19.5522**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.1517	0.0812	1.1520	5.2300e-003	0.7638	3.3500e-003	0.7671	0.2028	3.0800e-003	0.2059	0.0000	473.2862	473.2862	6.6300e-003	0.0000	473.4520
Total	**0.1517**	**0.0812**	**1.1520**	**5.2300e-003**	**0.7638**	**3.3500e-003**	**0.7671**	**0.2028**	**3.0800e-003**	**0.2059**	**0.0000**	**473.2862**	**473.2862**	**6.6300e-003**	**0.0000**	**473.4520**

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	1.5351					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0100	0.0655	0.1375	2.3000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	19.5324	19.5324	7.9000e-004	0.0000	19.5521
Total	**1.5451**	**0.0655**	**0.1375**	**2.3000e-004**		**1.5500e-003**	**1.5500e-003**		**1.5500e-003**	**1.5500e-003**	**0.0000**	**19.5324**	**19.5324**	**7.9000e-004**	**0.0000**	**19.5521**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.1517	0.0812	1.1520	5.2300e-003	0.7638	3.3500e-003	0.7671	0.2028	3.0800e-003	0.2059	0.0000	473.2862	473.2862	6.6300e-003	0.0000	473.4520
Total	**0.1517**	**0.0812**	**1.1520**	**5.2300e-003**	**0.7638**	**3.3500e-003**	**0.7671**	**0.2028**	**3.0800e-003**	**0.2059**	**0.0000**	**473.2862**	**473.2862**	**6.6300e-003**	**0.0000**	**473.4520**

3.6 Architectural Coating - 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					
Archit. Coating	2.6086					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2259
Total	**2.6256**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2259**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.2407	0.1275	1.8520	8.7200e-003	1.2979	5.3200e-003	1.3032	0.3447	4.9000e-003	0.3496	0.0000	789.8965	789.8965	0.0104	0.0000	790.1563
Total	**0.2407**	**0.1275**	**1.8520**	**8.7200e-003**	**1.2979**	**5.3200e-003**	**1.3032**	**0.3447**	**4.9000e-003**	**0.3496**	**0.0000**	**789.8965**	**789.8965**	**0.0104**	**0.0000**	**790.1563**

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	2.6086					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2258
Total	**2.6256**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2258**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.2407	0.1275	1.8520	8.7200e-003	1.2979	5.3200e-003	1.3032	0.3447	4.9000e-003	0.3496	0.0000	789.8965	789.8965	0.0104	0.0000	790.1563
Total	**0.2407**	**0.1275**	**1.8520**	**8.7200e-003**	**1.2979**	**5.3200e-003**	**1.3032**	**0.3447**	**4.9000e-003**	**0.3496**	**0.0000**	**789.8965**	**789.8965**	**0.0104**	**0.0000**	**790.1563**

3.6 Architectural Coating - 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					
Archit. Coating	2.6086					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2259
Total	**2.6256**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2259**

3.6 Architectural Coating - 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	0.2263	0.1187	1.7502	8.5800e-003	1.2979	4.9700e-003	1.3029	0.3447	4.5700e-003	0.3493	0.0000	777.3084	777.3084	9.5600e-003	0.0000	777.5473
Total	**0.2263**	**0.1187**	**1.7502**	**8.5800e-003**	**1.2979**	**4.9700e-003**	**1.3029**	**0.3447**	**4.5700e-003**	**0.3493**	**0.0000**	**777.3084**	**777.3084**	**9.5600e-003**	**0.0000**	**777.5473**

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	2.6086					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2258
Total	**2.6256**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2258**

3.6 Architectural Coating - 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	0.2263	0.1187	1.7502	8.5800e-003	1.2979	4.9700e-003	1.3029	0.3447	4.5700e-003	0.3493	0.0000	777.3084	777.3084	9.5600e-003	0.0000	777.5473
Total	**0.2263**	**0.1187**	**1.7502**	**8.5800e-003**	**1.2979**	**4.9700e-003**	**1.3029**	**0.3447**	**4.5700e-003**	**0.3493**	**0.0000**	**777.3084**	**777.3084**	**9.5600e-003**	**0.0000**	**777.5473**

3.6 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	2.6187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.0989	0.2342	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.3200	33.3200	1.2300e-003	0.0000	33.3507
Total	**2.6341**	**0.0989**	**0.2342**	**3.9000e-004**		**1.2900e-003**	**1.2900e-003**		**1.2900e-003**	**1.2900e-003**	**0.0000**	**33.3200**	**33.3200**	**1.2300e-003**	**0.0000**	**33.3507**

3.6 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	0.2152	0.1126	1.6725	8.4900e-003	1.3029	4.6700e-003	1.3076	0.3460	4.3000e-003	0.3503	0.0000	769.4785	769.4785	8.9100e-003	0.0000	769.7012
Total	**0.2152**	**0.1126**	**1.6725**	**8.4900e-003**	**1.3029**	**4.6700e-003**	**1.3076**	**0.3460**	**4.3000e-003**	**0.3503**	**0.0000**	**769.4785**	**769.4785**	**8.9100e-003**	**0.0000**	**769.7012**

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	2.6187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.0989	0.2342	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.3199	33.3199	1.2300e-003	0.0000	33.3507
Total	**2.6341**	**0.0989**	**0.2342**	**3.9000e-004**		**1.2900e-003**	**1.2900e-003**		**1.2900e-003**	**1.2900e-003**	**0.0000**	**33.3199**	**33.3199**	**1.2300e-003**	**0.0000**	**33.3507**

3.6 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	0.2152	0.1126	1.6725	8.4900e-003	1.3029	4.6700e-003	1.3076	0.3460	4.3000e-003	0.3503	0.0000	769.4785	769.4785	8.9100e-003	0.0000	769.7012
Total	**0.2152**	**0.1126**	**1.6725**	**8.4900e-003**	**1.3029**	**4.6700e-003**	**1.3076**	**0.3460**	**4.3000e-003**	**0.3503**	**0.0000**	**769.4785**	**769.4785**	**8.9100e-003**	**0.0000**	**769.7012**

3.6 Architectural Coating - 2036

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	2.6287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.0993	0.2351	3.9000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	33.4476	33.4476	1.2400e-003	0.0000	33.4785
Total	**2.6442**	**0.0993**	**0.2351**	**3.9000e-004**		**1.3000e-003**	**1.3000e-003**		**1.3000e-003**	**1.3000e-003**	**0.0000**	**33.4476**	**33.4476**	**1.2400e-003**	**0.0000**	**33.4785**

3.6 Architectural Coating - 2036

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	0.2160	0.1130	1.6789	8.5200e-003	1.3079	4.6900e-003	1.3126	0.3473	4.3200e-003	0.3517	0.0000	772.4267	772.4267	8.9400e-003	0.0000	772.6502
Total	**0.2160**	**0.1130**	**1.6789**	**8.5200e-003**	**1.3079**	**4.6900e-003**	**1.3126**	**0.3473**	**4.3200e-003**	**0.3517**	**0.0000**	**772.4267**	**772.4267**	**8.9400e-003**	**0.0000**	**772.6502**

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	2.6287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.0993	0.2351	3.9000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	33.4476	33.4476	1.2400e-003	0.0000	33.4785
Total	**2.6442**	**0.0993**	**0.2351**	**3.9000e-004**		**1.3000e-003**	**1.3000e-003**		**1.3000e-003**	**1.3000e-003**	**0.0000**	**33.4476**	**33.4476**	**1.2400e-003**	**0.0000**	**33.4785**

3.6 Architectural Coating - 2036

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	0.2160	0.1130	1.6789	8.5200e-003	1.3079	4.6900e-003	1.3126	0.3473	4.3200e-003	0.3517	0.0000	772.4267	772.4267	8.9400e-003	0.0000	772.6502
Total	**0.2160**	**0.1130**	**1.6789**	**8.5200e-003**	**1.3079**	**4.6900e-003**	**1.3126**	**0.3473**	**4.3200e-003**	**0.3517**	**0.0000**	**772.4267**	**772.4267**	**8.9400e-003**	**0.0000**	**772.6502**

3.6 Architectural Coating - 2037

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	2.6187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.0989	0.2342	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.3200	33.3200	1.2300e-003	0.0000	33.3507
Total	**2.6341**	**0.0989**	**0.2342**	**3.9000e-004**		**1.2900e-003**	**1.2900e-003**		**1.2900e-003**	**1.2900e-003**	**0.0000**	**33.3200**	**33.3200**	**1.2300e-003**	**0.0000**	**33.3507**

3.6 Architectural Coating - 2037

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	0.2152	0.1126	1.6725	8.4900e-003	1.3029	4.6700e-003	1.3076	0.3460	4.3000e-003	0.3503	0.0000	769.4785	769.4785	8.9100e-003	0.0000	769.7012
Total	**0.2152**	**0.1126**	**1.6725**	**8.4900e-003**	**1.3029**	**4.6700e-003**	**1.3076**	**0.3460**	**4.3000e-003**	**0.3503**	**0.0000**	**769.4785**	**769.4785**	**8.9100e-003**	**0.0000**	**769.7012**

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	2.6187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.0989	0.2342	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.3199	33.3199	1.2300e-003	0.0000	33.3507
Total	**2.6341**	**0.0989**	**0.2342**	**3.9000e-004**		**1.2900e-003**	**1.2900e-003**		**1.2900e-003**	**1.2900e-003**	**0.0000**	**33.3199**	**33.3199**	**1.2300e-003**	**0.0000**	**33.3507**

3.6 Architectural Coating - 2037

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	0.2152	0.1126	1.6725	8.4900e-003	1.3029	4.6700e-003	1.3076	0.3460	4.3000e-003	0.3503	0.0000	769.4785	769.4785	8.9100e-003	0.0000	769.7012
Total	**0.2152**	**0.1126**	**1.6725**	**8.4900e-003**	**1.3029**	**4.6700e-003**	**1.3076**	**0.3460**	**4.3000e-003**	**0.3503**	**0.0000**	**769.4785**	**769.4785**	**8.9100e-003**	**0.0000**	**769.7012**

3.6 Architectural Coating - 2038

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	1.8160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.0686	0.1624	2.7000e-004		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	23.1070	23.1070	8.5000e-004	0.0000	23.1283
Total	**1.8267**	**0.0686**	**0.1624**	**2.7000e-004**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**23.1070**	**23.1070**	**8.5000e-004**	**0.0000**	**23.1283**

3.6 Architectural Coating - 2038

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	0.1493	0.0781	1.1599	5.8900e-003	0.9035	3.2400e-003	0.9068	0.2400	2.9800e-003	0.2429	0.0000	533.6230	533.6230	6.1800e-003	0.0000	533.7775
Total	**0.1493**	**0.0781**	**1.1599**	**5.8900e-003**	**0.9035**	**3.2400e-003**	**0.9068**	**0.2400**	**2.9800e-003**	**0.2429**	**0.0000**	**533.6230**	**533.6230**	**6.1800e-003**	**0.0000**	**533.7775**

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	1.8160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.0686	0.1624	2.7000e-004		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	23.1069	23.1069	8.5000e-004	0.0000	23.1283
Total	**1.8267**	**0.0686**	**0.1624**	**2.7000e-004**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**23.1069**	**23.1069**	**8.5000e-004**	**0.0000**	**23.1283**

3.6 Architectural Coating - 2038

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	0.1493	0.0781	1.1599	5.8900e-003	0.9035	3.2400e-003	0.9068	0.2400	2.9800e-003	0.2429	0.0000	533.6230	533.6230	6.1800e-003	0.0000	533.7775
Total	**0.1493**	**0.0781**	**1.1599**	**5.8900e-003**	**0.9035**	**3.2400e-003**	**0.9068**	**0.2400**	**2.9800e-003**	**0.2429**	**0.0000**	**533.6230**	**533.6230**	**6.1800e-003**	**0.0000**	**533.7775**

3.7 Paving - 2038

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	0.0456	0.1951	0.6328	1.1200e-003		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003	0.0000	96.3981	96.3981	3.7100e-003	0.0000	96.4908
Paving	0.0130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0586**	**0.1951**	**0.6328**	**1.1200e-003**		**7.5000e-003**	**7.5000e-003**		**7.5000e-003**	**7.5000e-003**	**0.0000**	**96.3981**	**96.3981**	**3.7100e-003**	**0.0000**	**96.4908**

3.7 Paving - 2038

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	1.0900e-003	5.7000e-004	8.4500e-003	4.0000e-005	6.5800e-003	2.0000e-005	6.6100e-003	1.7500e-003	2.0000e-005	1.7700e-003	0.0000	3.8877	3.8877	4.0000e-005	0.0000	3.8889
Total	**1.0900e-003**	**5.7000e-004**	**8.4500e-003**	**4.0000e-005**	**6.5800e-003**	**2.0000e-005**	**6.6100e-003**	**1.7500e-003**	**2.0000e-005**	**1.7700e-003**	**0.0000**	**3.8877**	**3.8877**	**4.0000e-005**	**0.0000**	**3.8889**

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	0.0456	0.1951	0.6328	1.1200e-003		7.5000e-003	7.5000e-003		7.5000e-003	7.5000e-003	0.0000	96.3979	96.3979	3.7100e-003	0.0000	96.4907
Paving	0.0130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0586**	**0.1951**	**0.6328**	**1.1200e-003**		**7.5000e-003**	**7.5000e-003**		**7.5000e-003**	**7.5000e-003**	**0.0000**	**96.3979**	**96.3979**	**3.7100e-003**	**0.0000**	**96.4907**

3.7 Paving - 2038

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	1.0900e-003	5.7000e-004	8.4500e-003	4.0000e-005	6.5800e-003	2.0000e-005	6.6100e-003	1.7500e-003	2.0000e-005	1.7700e-003	0.0000	3.8877	3.8877	4.0000e-005	0.0000	3.8889
Total	**1.0900e-003**	**5.7000e-004**	**8.4500e-003**	**4.0000e-005**	**6.5800e-003**	**2.0000e-005**	**6.6100e-003**	**1.7500e-003**	**2.0000e-005**	**1.7700e-003**	**0.0000**	**3.8877**	**3.8877**	**4.0000e-005**	**0.0000**	**3.8889**

3.7 Paving - 2039

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	0.0855	0.3657	1.1865	2.1000e-003		0.0141	0.0141		0.0141	0.0141	0.0000	180.7464	180.7464	6.9600e-003	0.0000	180.9203
Paving	0.0244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1099**	**0.3657**	**1.1865**	**2.1000e-003**		**0.0141**	**0.0141**		**0.0141**	**0.0141**	**0.0000**	**180.7464**	**180.7464**	**6.9600e-003**	**0.0000**	**180.9203**

3.7 Paving - 2039

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	2.0400e-003	1.0700e-003	0.0158	8.0000e-005	0.0123	4.0000e-005	0.0124	3.2800e-003	4.0000e-005	3.3200e-003	0.0000	7.2895	7.2895	8.0000e-005	0.0000	7.2916
Total	**2.0400e-003**	**1.0700e-003**	**0.0158**	**8.0000e-005**	**0.0123**	**4.0000e-005**	**0.0124**	**3.2800e-003**	**4.0000e-005**	**3.3200e-003**	**0.0000**	**7.2895**	**7.2895**	**8.0000e-005**	**0.0000**	**7.2916**

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	0.0855	0.3657	1.1865	2.1000e-003		0.0141	0.0141		0.0141	0.0141	0.0000	180.7462	180.7462	6.9600e-003	0.0000	180.9200
Paving	0.0244					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1099**	**0.3657**	**1.1865**	**2.1000e-003**		**0.0141**	**0.0141**		**0.0141**	**0.0141**	**0.0000**	**180.7462**	**180.7462**	**6.9600e-003**	**0.0000**	**180.9200**

3.7 Paving - 2039

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	2.0400e-003	1.0700e-003	0.0158	8.0000e-005	0.0123	4.0000e-005	0.0124	3.2800e-003	4.0000e-005	3.3200e-003	0.0000	7.2895	7.2895	8.0000e-005	0.0000	7.2916
Total	**2.0400e-003**	**1.0700e-003**	**0.0158**	**8.0000e-005**	**0.0123**	**4.0000e-005**	**0.0124**	**3.2800e-003**	**4.0000e-005**	**3.3200e-003**	**0.0000**	**7.2895**	**7.2895**	**8.0000e-005**	**0.0000**	**7.2916**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.6941	35.8435	56.3677	0.3226	34.3976	0.1325	34.5301	9.2146	0.1233	9.3379	0.0000	30,165.7729	30,165.7729	1.1540	0.0000	30,194.6231
Unmitigated	5.3622	39.1891	70.6861	0.4153	45.4118	0.1694	45.5812	12.1651	0.1577	12.3228	0.0000	38,798.2062	38,798.2062	1.4261	0.0000	38,833.8594

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	26,128.32	30,691.17	28145.58	92,440,651	70,020,096
Government (Civic Center)	929.45	293.48	438.60	2,373,140	1,797,559
City Park	0.41	40.38	45.11	35,990	27,261
City Park	0.01	1.45	1.62	1,293	979
General Office Building	2,134.91	539.21	230.15	5,266,587	3,989,229
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	4,921.09	6,514.09	3290.29	10,631,869	8,053,216
Regional Shopping Center	3,273.30	4,332.90	2188.56	7,071,873	5,356,661
Library	90.30	1,501.24	822.05	1,000,782	758,052
Place of Worship	224.14	193.18	891.07	671,808	508,868
Total	37,701.93	44,107.08	36,053.03	119,493,993	90,511,920

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	14.70	5.90	8.70	40.00	19.00	41.00	86	11	3
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Library	16.60	8.40	6.90	52.00	43.00	5.00	44	44	12
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Government (Civic Center)	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
City Park	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
General Office Building	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Other Asphalt Surfaces	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Regional Shopping Center	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Library	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722
Place of Worship	0.550167	0.040939	0.205797	0.110554	0.011916	0.005723	0.023174	0.041705	0.002259	0.001412	0.004923	0.000709	0.000722

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8,262.7710	8,262.7710	0.3411	0.0706	8,292.3313
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8,262.7710	8,262.7710	0.3411	0.0706	8,292.3313
NaturalGas Mitigated	0.2610	2.2428	1.0385	0.0142		0.1804	0.1804		0.1804	0.1804	0.0000	2,583.3357	2,583.3357	0.0495	0.0474	2,598.6871
NaturalGas Unmitigated	0.2610	2.2428	1.0385	0.0142		0.1804	0.1804		0.1804	0.1804	0.0000	2,583.3357	2,583.3357	0.0495	0.0474	2,598.6871

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	4.4269e+007	0.2387	2.0398	0.8680	0.0130		0.1649	0.1649		0.1649	0.1649	0.0000	2,362.3604	2,362.3604	0.0453	0.0433	2,376.3988
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
General Office Building	2.28175e+006	0.0123	0.1119	0.0940	6.7000e-004		8.5000e-003	8.5000e-003		8.5000e-003	8.5000e-003	0.0000	121.7627	121.7627	2.3300e-003	2.2300e-003	122.4863
Government (Civic Center)	335723	1.8100e-003	0.0165	0.0138	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9154	17.9154	3.4000e-004	3.3000e-004	18.0219
Library	583725	3.1500e-003	0.0286	0.0240	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.1498	31.1498	6.0000e-004	5.7000e-004	31.3349
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	583725	3.1500e-003	0.0286	0.0240	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.1498	31.1498	6.0000e-004	5.7000e-004	31.3349
Regional Shopping Center	142204	7.7000e-004	6.9700e-003	5.8600e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5886	7.5886	1.5000e-004	1.4000e-004	7.6337
Regional Shopping Center	213795	1.1500e-003	0.0105	8.8000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4089	11.4089	2.2000e-004	2.1000e-004	11.4767
Total		**0.2610**	**2.2428**	**1.0385**	**0.0142**		**0.1803**	**0.1803**		**0.1803**	**0.1803**	**0.0000**	**2,583.3357**	**2,583.3357**	**0.0495**	**0.0474**	**2,598.6871**

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	4.4269e+007	0.2387	2.0398	0.8680	0.0130		0.1649	0.1649		0.1649	0.1649	0.0000	2,362.3604	2,362.3604	0.0453	0.0433	2,376.3988
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
General Office Building	2.28175e+006	0.0123	0.1119	0.0940	6.7000e-004		8.5000e-003	8.5000e-003		8.5000e-003	8.5000e-003	0.0000	121.7627	121.7627	2.3300e-003	2.2300e-003	122.4863
Government (Civic Center)	335723	1.8100e-003	0.0165	0.0138	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9154	17.9154	3.4000e-004	3.3000e-004	18.0219
Library	583725	3.1500e-003	0.0286	0.0240	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.1498	31.1498	6.0000e-004	5.7000e-004	31.3349
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	583725	3.1500e-003	0.0286	0.0240	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.1498	31.1498	6.0000e-004	5.7000e-004	31.3349
Regional Shopping Center	142204	7.7000e-004	6.9700e-003	5.8600e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5886	7.5886	1.5000e-004	1.4000e-004	7.6337
Regional Shopping Center	213795	1.1500e-003	0.0105	8.8000e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4089	11.4089	2.2000e-004	2.1000e-004	11.4767
Total		**0.2610**	**2.2428**	**1.0385**	**0.0142**		**0.1803**	**0.1803**		**0.1803**	**0.1803**	**0.0000**	**2,583.3357**	**2,583.3357**	**0.0495**	**0.0474**	**2,598.6871**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.90203e+007	6,060.2637	0.2502	0.0518	6,081.9445
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.84725e+006	907.1955	0.0375	7.7500e-003	910.4411
Government (Civic Center)	418927	133.4793	5.5100e-003	1.1400e-003	133.9568
Library	357975	114.0585	4.7100e-003	9.7000e-004	114.4666
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	357975	114.0585	4.7100e-003	9.7000e-004	114.4666
Regional Shopping Center	1.17059e+006	372.9735	0.0154	3.1900e-003	374.3078
Regional Shopping Center	1.7599e+006	560.7420	0.0232	4.7900e-003	562.7481
Total		**8,262.7710**	**0.3411**	**0.0706**	**8,292.3313**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.90203e+007	6,060.2637	0.2502	0.0518	6,081.9445
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.84725e+006	907.1955	0.0375	7.7500e-003	910.4411
Government (Civic Center)	418927	133.4793	5.5100e-003	1.1400e-003	133.9568
Library	357975	114.0585	4.7100e-003	9.7000e-004	114.4666
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	357975	114.0585	4.7100e-003	9.7000e-004	114.4666
Regional Shopping Center	1.17059e+006	372.9735	0.0154	3.1900e-003	374.3078
Regional Shopping Center	1.7599e+006	560.7420	0.0232	4.7900e-003	562.7481
Total		**8,262.7710**	**0.3411**	**0.0706**	**8,292.3313**

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	22.4892	0.5693	49.3215	2.6200e-003		0.2747	0.2747		0.2747	0.2747	0.0000	80.9236	80.9236	0.0771	0.0000	82.8499
Unmitigated	22.4892	0.5693	49.3215	2.6200e-003		0.2747	0.2747		0.2747	0.2747	0.0000	80.9236	80.9236	0.0771	0.0000	82.8499

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	1.6434					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	19.3702					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	1.4756	0.5693	49.3215	2.6200e-003		0.2747	0.2747		0.2747	0.2747	0.0000	80.9236	80.9236	0.0771	0.0000	82.8499
Total	**22.4892**	**0.5693**	**49.3215**	**2.6200e-003**		**0.2747**	**0.2747**		**0.2747**	**0.2747**	**0.0000**	**80.9236**	**80.9236**	**0.0771**	**0.0000**	**82.8499**

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	1.6434					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	19.3702					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	1.4756	0.5693	49.3215	2.6200e-003		0.2747	0.2747		0.2747	0.2747	0.0000	80.9236	80.9236	0.0771	0.0000	82.8499
Total	**22.4892**	**0.5693**	**49.3215**	**2.6200e-003**		**0.2747**	**0.2747**		**0.2747**	**0.2747**	**0.0000**	**80.9236**	**80.9236**	**0.0771**	**0.0000**	**82.8499**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Compton Hub City Specific Plan - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,277.6481	9.9020	0.2503	2,599.7928
Unmitigated	2,613.8468	12.3679	0.3109	3,015.6934

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	312.935 / 197.285	2,095.9400	10.2794	0.2578	2,429.7581
City Park	0 / 25.4262	90.0058	3.7200e-003	7.7000e-004	90.3278
General Office Building	38.9575 / 23.8772	258.5073	1.2796	0.0321	300.0559
Government (Civic Center)	6.40677 / 3.92673	42.5130	0.2104	5.2800e-003	49.3459
Library	1.00907 / 1.57828	10.0935	0.0333	8.6000e-004	11.1818
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	1.00907 / 1.57828	10.0935	0.0333	8.6000e-004	11.1818
Regional Shopping Center	16.0789 / 9.85482	106.6938	0.5281	0.0132	123.8421
Total		**2,613.8468**	**12.3679**	**0.3109**	**3,015.6934**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	250.348 / 197.285	1,816.4252	8.2293	0.2075	2,083.9793
City Park	0 / 25.4262	90.0058	3.7200e-003	7.7000e-004	90.3278
General Office Building	31.166 / 23.8772	223.7103	1.0244	0.0258	257.0096
Government (Civic Center)	5.12542 / 3.92673	36.7904	0.1685	4.2400e-003	42.2667
Library	0.807254 / 1.57828	9.1922	0.0267	7.0000e-004	10.0668
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.807254 / 1.57828	9.1922	0.0267	7.0000e-004	10.0668
Regional Shopping Center	12.8631 / 9.85482	92.3320	0.4228	0.0107	106.0757
Total		**2,277.6481**	**9.9020**	**0.2503**	**2,599.7928**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	617.1636	36.4733	0.0000	1,528.9966
Unmitigated	617.1636	36.4733	0.0000	1,528.9966

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	2209.38	448.4842	26.5047	0.0000	1,111.1006
City Park	1.84	0.3735	0.0221	0.0000	0.9253
General Office Building	203.85	41.3797	2.4455	0.0000	102.5165
Government (Civic Center)	183.83	37.3158	2.2053	0.0000	92.4484
Library	29.7	6.0288	0.3563	0.0000	14.9362
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	183.83	37.3158	2.2053	0.0000	92.4484
Regional Shopping Center	227.92	46.2657	2.7342	0.0000	114.6213
Total		**617.1636**	**36.4733**	**0.0000**	**1,528.9966**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	2209.38	448.4842	26.5047	0.0000	1,111.1006
City Park	1.84	0.3735	0.0221	0.0000	0.9253
General Office Building	203.85	41.3797	2.4455	0.0000	102.5165
Government (Civic Center)	183.83	37.3158	2.2053	0.0000	92.4484
Library	29.7	6.0288	0.3563	0.0000	14.9362
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	183.83	37.3158	2.2053	0.0000	92.4484
Regional Shopping Center	227.92	46.2657	2.7342	0.0000	114.6213
Total		**617.1636**	**36.4733**	**0.0000**	**1,528.9966**

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

Project Code & Title: 16-03660, Artesia TOD Specific Plan EIR - Existing

Vehicle Population Breakdown*	
11089385	Gasoline vehicles
242347	Diesel vehicles
97.9%	Gasoline vehicle %
2.1%	Diesel vehicle %

VMT per Vehicle Type	
33579223	Project VMT (CalEEMod output)
32861078	Gasoline vehicle VMT
718145	Diesel vehicle VMT

Gasoline Vehicles	
97.9%	Gasoline vehicle %
24.7857	Tons per year mobile NOX emissions (annual output in CalEEMod)
24.26	Gasoline vehicle tons per year NOX emissions
4.16%	Percentage to convert NOX emissions to N2O **
1.0090	Tons per year N2O emissions for gasoline vehicles
0.9154	Metric tons per year N2O emissions for gasoline vehicles

Diesel Vehicles	
0.3316	grams N2O per gallon of fuel for diesel vehicles**
24.46	Diesel average miles per gallon*
0.01356	grams per mile N2O for diesel vehicles
9734.8	grams per year N2O for diesel vehicles
0.0097348	Metric tons per year N2O emissions for diesel vehicles

CO2E Emissions from N2O	
0.9251	Metric tons per year from gasoline + diesel vehicles
265	GWP of N2O***
245.2	**CO2E emissions per year from N2O emissions from gasoline + diesel vehicles**

Sources
***Vehicle population source:** EMFAC2014 (v1.0.7) Emissions Inventory Region Type: Air District Region: South Coast AQMD Calendar Year: 2040 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). 2014. AR5 Climate Change 2014 Contrbution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.

N2O Operational GHG Emission Mobile Calculations

Project Code & Title: 16-03660, Artesia TOD Specific Plan EIR

Vehicle Population Breakdown*	
13764006	Gasoline vehicles
364245	Diesel vehicles
97.4%	Gasoline vehicle %
2.6%	Diesel vehicle %

VMT per Vehicle Type	
90511920	Project VMT (CalEEMod output)
88178403	Gasoline vehicle VMT
2333517	Diesel vehicle VMT

Gasoline Vehicles	
97.4%	Gasoline vehicle %
35.8435	Tons per year mobile NOX emissions (annual output in CalEEMod)
34.92	Gasoline vehicle tons per year NOX emissions
4.16%	Percentage to convert NOX emissions to N2O **
1.4526	Tons per year N2O emissions for gasoline vehicles
1.3178	Metric tons per year N2O emissions for gasoline vehicles

Diesel Vehicles	
0.3316	grams N2O per gallon of fuel for diesel vehicles**
31.42	Diesel average miles per gallon*
0.01055	grams per mile N2O for diesel vehicles
24626.1	grams per year N2O for diesel vehicles
0.0246261	Metric tons per year N2O emissions for diesel vehicles

CO2E Emissions from N2O	
1.3424	Metric tons per year from gasoline + diesel vehicles
265	GWP of N2O***
355.7	**CO2E emissions per year from N2O emissions from gasoline + diesel vehicles**

Sources
***Vehicle population source:** EMFAC2014 (v1.0.7) Emissions Inventory Region Type: Air District Region: South Coast AQMD Calendar Year: 2040 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). 2014. AR5 Climate Change 2014 Contrbution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.

Construction Fuel Consumption Calculations

Artesia TOD - Compton (Phase I and II)

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588	HP: >100	0.0529

Equipment Fuel Consumption

PhaseName	OffRoadEquipmentType	Amount	Hours	HorsePower	LoadFactor	Fuel (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	1667.9
Demolition	Excavators	3	8	158	0.38	4570.1
Demolition	Rubber Tired Dozers	2	8	247	0.4	5013.6
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	5013.6
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	2699.6
Grading	Excavators	2	8	158	0.38	4570.1
Grading	Graders	1	8	187	0.41	2917.9
Grading	Rubber Tired Dozers	1	8	247	0.4	3760.2
Grading	Scrapers	2	8	367	0.48	13408.8
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	3037.0
Building Construction	Cranes	1	7	231	0.29	13632.9
Building Construction	Forklifts	3	8	89	0.2	13807.2
Building Construction	Generator Sets	1	8	84	0.74	16072.3
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	24359.5
Building Construction	Welders	1	8	46	0.45	5352.2
Architectural Coating	Air Compressors	1	6	78	0.48	2877.8
Paving	Pavers	2	8	130	0.42	1616.2
Paving	Paving Equipment	2	8	132	0.36	1406.6
Paving	Rollers	2	8	80	0.38	1000.4

Total Equipment Fuel Consumption 126783.8 gallons

Trip Fuel Consumption

PhaseName	Trip Type	Working Days	Trips/ day	Trip Length (mi)	MPG[2]	Fuel (gal)
Demolition	WorkerTripNumber	60	15	14.7	24	551.3
Demolition	VendorTripNumber	60	0	6.9	7.4	0.0
Demolition	HaulingTripNumber	60	19.933	20	7.4	3232.4
Site Preparation	WorkerTripNumber	40	18	14.7	24	441.0
Site Preparation	VendorTripNumber	40	0	6.9	7.4	0.0
Site Preparation	HaulingTripNumber	40	0	20	7.4	0.0
Grading	WorkerTripNumber	90	20	14.7	24	1102.5
Grading	VendorTripNumber	90	0	6.9	7.4	0.0
Grading	HaulingTripNumber	90	0	20	7.4	0.0
Building Construction	WorkerTripNumber	550	1653	14.7	24	556854.4
Building Construction	VendorTripNumber	550	313	6.9	7.4	160518.2
Building Construction	HaulingTripNumber	550	0	20	7.4	0.0
Architectural Coating	WorkerTripNumber	218	331	14.7	24	44196.8
Architectural Coating	VendorTripNumber	218	0	6.9	7.4	0.0
Architectural Coating	HaulingTripNumber	218	0	20	7.4	0.0
Paving	WorkerTripNumber	35	15	14.7	24	321.6
Paving	VendorTripNumber	35	0	6.9	7.4	0.0
Paving	HaulingTripNumber	35	0	20	7.4	0.0
				Total Worker Trip Fuel Consumption (gallons)		**603467.5**
				Total Vendor/Haul Trip Fuel Consumption (gallons)		**163750.7**

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2018. *National Transportation Statistics 2018* . Available at: https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsentire2018q4.pdf.

Construction Fuel Consumption Calculations

Artesia TOD - Compton (Phase III)

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588	HP: >100	0.0529

Equipment Fuel Consumption

PhaseName	OffRoadEquipmentType	Amount	Hours	HorsePower	LoadFactor	Fuel (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	1667.9
Demolition	Excavators	3	8	158	0.38	4570.1
Demolition	Rubber Tired Dozers	2	8	247	0.4	5013.6
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	5013.6
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	2699.6
Grading	Excavators	2	8	158	0.38	4570.1
Grading	Graders	1	8	187	0.41	2917.9
Grading	Rubber Tired Dozers	1	8	247	0.4	3760.2
Grading	Scrapers	2	8	367	0.48	13408.8
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	3037.0
Building Construction	Cranes	1	7	231	0.29	13632.9
Building Construction	Forklifts	3	8	89	0.2	13807.2
Building Construction	Generator Sets	1	8	84	0.74	16072.3
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	24359.5
Building Construction	Welders	1	8	46	0.45	5352.2
Paving	Pavers	2	8	130	0.42	1616.2
Paving	Paving Equipment	2	8	132	0.36	1406.6
Paving	Rollers	2	8	80	0.38	1000.4
Architectural Coating	Air Compressors	1	6	78	0.48	2772.2

Total Equipment Fuel Consumption 126678.2 gallons

Trip Fuel Consumption

PhaseName	Trip Type	Working Days	Trips/ day	Trip Length (mi)	MPG[2]	Fuel (gal)
Demolition	WorkerTripNumber	60	15	14.7	24	551.3
Demolition	VendorTripNumber	60	0	6.9	7.4	0.0
Demolition	HaulingTripNumber	60	7.95	20	7.4	1289.2
Site Preparation	WorkerTripNumber	40	18	14.7	24	441.0
Site Preparation	VendorTripNumber	40	0	6.9	7.4	0.0
Site Preparation	HaulingTripNumber	40	0	20	7.4	0.0
Grading	WorkerTripNumber	90	20	14.7	24	1102.5
Grading	VendorTripNumber	90	0	6.9	7.4	0.0
Grading	HaulingTripNumber	90	0	20	7.4	0.0
Building Construction	WorkerTripNumber	550	443	14.7	24	149235.6
Building Construction	VendorTripNumber	550	83	6.9	7.4	42565.5
Building Construction	HaulingTripNumber	550	0	20	7.4	0.0
Paving	WorkerTripNumber	35	15	14.7	24	321.6
Paving	VendorTripNumber	35	0	6.9	7.4	0.0
Paving	HaulingTripNumber	35	0	20	7.4	0.0
Architectural Coating	WorkerTripNumber	210	89	14.7	24	11447.6
Architectural Coating	VendorTripNumber	210	0	6.9	7.4	0.0
Architectural Coating	HaulingTripNumber	210	0	20	7.4	0.0
				Total Worker Trip Fuel Consumption (gallons)		163099.6
				Total Vendor/Haul Trip Fuel Consumption (gallons)		43854.7

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2018. *National Transportation Statistics 2018* . Available at: https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsentire2018q4.pdf.

Construction Fuel Consumption Calculations

Artesia TOD - Compton (Phase IV)

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588	HP: >100	0.0529

Equipment Fuel Consumption

PhaseName	OffRoadEquipmentType	Amount	Hours	HorsePower	LoadFactor	Fuel (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	2779.8
Demolition	Excavators	3	8	158	0.38	7616.8
Demolition	Rubber Tired Dozers	2	8	247	0.4	8355.9
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	7520.4
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	4049.4
Grading	Excavators	2	8	158	0.38	9140.1
Grading	Graders	1	8	187	0.41	5835.9
Grading	Rubber Tired Dozers	1	8	247	0.4	7520.4
Grading	Scrapers	2	8	367	0.48	26817.5
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	6074.1
Building Construction	Cranes	1	7	231	0.29	18342.5
Building Construction	Forklifts	3	8	89	0.2	18577.0
Building Construction	Generator Sets	1	8	84	0.74	21624.5
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	32774.6
Building Construction	Welders	1	8	46	0.45	7201.2
Paving	Pavers	2	8	130	0.42	2539.8
Paving	Paving Equipment	2	8	132	0.36	2210.4
Paving	Rollers	2	8	80	0.38	1572.1
Architectural Coating	Air Compressors	1	6	78	0.48	5148.3

Total Equipment Fuel Consumption 195700.6 gallons

Trip Fuel Consumption

PhaseName	Trip Type	Working Days	Trips/ day	Trip Length (mi)	MPG[2]	Fuel (gal)
Demolition	WorkerTripNumber	100	15	14.7	24	918.8
Demolition	VendorTripNumber	100	0	6.9	7.4	0.0
Demolition	HaulingTripNumber	100	7.59	20	7.4	2051.4
Site Preparation	WorkerTripNumber	60	18	14.7	24	661.5
Site Preparation	VendorTripNumber	60	0	6.9	7.4	0.0
Site Preparation	HaulingTripNumber	60	0	20	7.4	0.0
Grading	WorkerTripNumber	180	20	14.7	24	2205.0
Grading	VendorTripNumber	180	0	6.9	7.4	0.0
Grading	HaulingTripNumber	180	0	20	7.4	0.0
Building Construction	WorkerTripNumber	740	1093	14.7	24	495402.3
Building Construction	VendorTripNumber	740	299	6.9	7.4	206310.0
Building Construction	HaulingTripNumber	740	0	20	7.4	0.0
Paving	WorkerTripNumber	55	15	14.7	24	505.3
Paving	VendorTripNumber	55	0	6.9	7.4	0.0
Paving	HaulingTripNumber	55	0	20	7.4	0.0
Architectural Coating	WorkerTripNumber	390	219	14.7	24	52313.6
Architectural Coating	VendorTripNumber	390	0	6.9	7.4	0.0
Architectural Coating	HaulingTripNumber	390	0	20	7.4	0.0
				Total Worker Trip Fuel Consumption (gallons)		**552006.4**
				Total Vendor/Haul Trip Fuel Consumption (gallons)		**208361.4**

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2018. *National Transportation Statistics 2018* . Available at: https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsentire2018q4.pdf.

Construction Fuel Consumption Calculations

Artesia TOD - Compton (Phase V)

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588	HP: >100	0.0529

Equipment Fuel Consumption

PhaseName	OffRoadEquipmentType	Amount	Hours	HorsePower	LoadFactor	Fuel (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	1667.9
Demolition	Excavators	3	8	158	0.38	4570.1
Demolition	Rubber Tired Dozers	2	8	247	0.4	5013.6
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	5013.6
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	2699.6
Grading	Excavators	2	8	158	0.38	4570.1
Grading	Graders	1	8	187	0.41	2917.9
Grading	Rubber Tired Dozers	1	8	247	0.4	3760.2
Grading	Scrapers	2	8	367	0.48	13408.8
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	3037.0
Building Construction	Cranes	1	7	231	0.29	13632.9
Building Construction	Forklifts	3	8	89	0.2	13807.2
Building Construction	Generator Sets	1	8	84	0.74	16072.3
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	24359.5
Building Construction	Welders	1	8	46	0.45	5352.2
Architectural Coating	Air Compressors	1	6	78	0.48	3881.0
Paving	Pavers	2	8	130	0.42	1616.2
Paving	Paving Equipment	2	8	132	0.36	1406.6
Paving	Rollers	2	8	80	0.38	1000.4

Total Equipment Fuel Consumption 127787.1 gallons

Trip Fuel Consumption

PhaseName	Trip Type	Working Days	Trips/ day	Trip Length (mi)	MPG[2]	Fuel (gal)
Demolition	WorkerTripNumber	60	15	14.7	24	551.3
Demolition	VendorTripNumber	60	0	6.9	7.4	0.0
Demolition	HaulingTripNumber	60	10.35	20	7.4	1678.4
Site Preparation	WorkerTripNumber	40	18	14.7	24	441.0
Site Preparation	VendorTripNumber	40	0	6.9	7.4	0.0
Site Preparation	HaulingTripNumber	40	0	20	7.4	0.0
Grading	WorkerTripNumber	90	20	14.7	24	1102.5
Grading	VendorTripNumber	90	0	6.9	7.4	0.0
Grading	HaulingTripNumber	90	0	20	7.4	0.0
Building Construction	WorkerTripNumber	550	622	14.7	24	209536.3
Building Construction	VendorTripNumber	550	153	6.9	7.4	78464.2
Building Construction	HaulingTripNumber	550	0	20	7.4	0.0
Architectural Coating	WorkerTripNumber	294	124	14.7	24	22329.3
Architectural Coating	VendorTripNumber	294	0	6.9	7.4	0.0
Architectural Coating	HaulingTripNumber	294	0	20	7.4	0.0
Paving	WorkerTripNumber	35	15	14.7	24	321.6
Paving	VendorTripNumber	35	0	6.9	7.4	0.0
Paving	HaulingTripNumber	35	0	20	7.4	0.0
				Total Worker Trip Fuel Consumption (gallons)		**234281.9**
				Total Vendor/Haul Trip Fuel Consumption (gallons)		**80142.6**

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2018. *National Transportation Statistics 2018* . Available at: https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsentire2018q4.pdf.

Construction Fuel Consumption Calculations

Artesia TOD - Compton (Phase VI)

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588	HP: >100	0.0529

Equipment Fuel Consumption

PhaseName	OffRoadEquipmentType	Amount	Hours	HorsePower	LoadFactor	Fuel (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	1667.9
Demolition	Excavators	3	8	158	0.38	4570.1
Demolition	Rubber Tired Dozers	2	8	247	0.4	5013.6
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	3760.2
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	2024.7
Grading	Excavators	1	8	158	0.38	2285.0
Grading	Graders	1	8	187	0.41	2917.9
Grading	Rubber Tired Dozers	1	8	247	0.4	3760.2
Grading	Tractors/Loaders/Backhoes	3	8	97	0.37	4555.5
Building Construction	Cranes	1	7	231	0.29	13632.9
Building Construction	Forklifts	3	8	89	0.2	13807.2
Building Construction	Generator Sets	1	8	84	0.74	16072.3
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	24359.5
Building Construction	Welders	1	8	46	0.45	5352.2
Paving	Pavers	2	8	130	0.42	1616.2
Paving	Paving Equipment	2	8	132	0.36	1406.6
Paving	Rollers	2	8	80	0.38	1000.4
Architectural Coating	Air Compressors	1	6	78	0.48	3643.4

Total Equipment Fuel Consumption 111445.9 gallons

Trip Fuel Consumption

PhaseName	Trip Type	Working Days	Trips/ day	Trip Length (mi)	MPG[2]	Fuel (gal)
Demolition	WorkerTripNumber	60	15	14.7	24	551.3
Demolition	VendorTripNumber	60	0	6.9	7.4	0.0
Demolition	HaulingTripNumber	60	6	20	7.4	973.0
Site Preparation	WorkerTripNumber	30	18	14.7	24	330.8
Site Preparation	VendorTripNumber	30	0	6.9	7.4	0.0
Site Preparation	HaulingTripNumber	30	0	20	7.4	0.0
Grading	WorkerTripNumber	90	15	14.7	24	826.9
Grading	VendorTripNumber	90	0	6.9	7.4	0.0
Grading	HaulingTripNumber	90	0	20	7.4	0.0
Building Construction	WorkerTripNumber	550	377	14.7	24	127001.9
Building Construction	VendorTripNumber	550	69	6.9	7.4	35385.8
Building Construction	HaulingTripNumber	550	0	20	7.4	0.0
Paving	WorkerTripNumber	35	15	14.7	24	321.6
Paving	VendorTripNumber	35	0	6.9	7.4	0.0
Paving	HaulingTripNumber	35	0	20	7.4	0.0
Architectural Coating	WorkerTripNumber	276	75	14.7	24	12678.8
Architectural Coating	VendorTripNumber	276	0	6.9	7.4	0.0
Architectural Coating	HaulingTripNumber	276	0	20	7.4	0.0
				Total Worker Trip Fuel Consumption (gallons)		**141711.1**
				Total Vendor/Haul Trip Fuel Consumption (gallons)		**36358.8**

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2018. *National Transportation Statistics 2018* . Available at: https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsentire2018q4.pdf.

Construction Fuel Consumption Calculations

Artesia TOD - Compton (Phase VII)

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588	HP: >100	0.0529

Equipment Fuel Consumption

PhaseName	OffRoadEquipmentType	Amount	Hours	HorsePower	LoadFactor	Fuel (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	1667.9
Demolition	Excavators	3	8	158	0.38	4570.1
Demolition	Rubber Tired Dozers	2	8	247	0.4	5013.6
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	5013.6
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	2699.6
Grading	Excavators	1	8	158	0.38	2285.0
Grading	Graders	1	8	187	0.41	2917.9
Grading	Rubber Tired Dozers	1	8	247	0.4	3760.2
Grading	Tractors/Loaders/Backhoes	3	8	97	0.37	4555.5
Building Construction	Cranes	1	7	231	0.29	13632.9
Building Construction	Forklifts	3	8	89	0.2	13807.2
Building Construction	Generator Sets	1	8	84	0.74	16072.3
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	24359.5
Building Construction	Welders	1	8	46	0.45	5352.2
Paving	Pavers	2	8	130	0.42	1616.2
Paving	Paving Equipment	2	8	132	0.36	1406.6
Paving	Rollers	2	8	80	0.38	1000.4
Architectural Coating	Air Compressors	1	6	78	0.48	3551.0

Total Equipment Fuel Consumption	113281.8 gallons

Trip Fuel Consumption

PhaseName	Trip Type	Working Days	Trips/ day	Trip Length (mi)	MPG[2]	Fuel (gal)
Demolition	WorkerTripNumber	60	15	14.7	24	551.3
Demolition	VendorTripNumber	60	0	6.9	7.4	0.0
Demolition	HaulingTripNumber	60	11.317	20	7.4	1835.1
Site Preparation	WorkerTripNumber	40	18	14.7	24	441.0
Site Preparation	VendorTripNumber	40	0	6.9	7.4	0.0
Site Preparation	HaulingTripNumber	40	0	20	7.4	0.0
Grading	WorkerTripNumber	90	15	14.7	24	826.9
Grading	VendorTripNumber	90	0	6.9	7.4	0.0
Grading	HaulingTripNumber	90	0	20	7.4	0.0
Building Construction	WorkerTripNumber	550	491	14.7	24	165405.6
Building Construction	VendorTripNumber	550	91	6.9	7.4	46668.2
Building Construction	HaulingTripNumber	550	0	20	7.4	0.0
Paving	WorkerTripNumber	35	15	14.7	24	321.6
Paving	VendorTripNumber	35	0	6.9	7.4	0.0
Paving	HaulingTripNumber	35	0	20	7.4	0.0
Architectural Coating	WorkerTripNumber	269	98	14.7	24	16146.7
Architectural Coating	VendorTripNumber	269	0	6.9	7.4	0.0
Architectural Coating	HaulingTripNumber	269	0	20	7.4	0.0
				Total Worker Trip Fuel Consumption (gallons)		183693.0
				Total Vendor/Haul Trip Fuel Consumption (gallons)		48503.4

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Transportation, Bureau of Transportation Statistics. 2018. *National Transportation Statistics 2018* . Available at: https://www.bts.gov/sites/bts.dot.gov/files/docs/browse-statistical-products-and-data/national-transportation-statistics/223001/ntsentire2018q4.pdf.

Appendix C

Consultation Letter

GABRIELINO- TONGVA TRIBE

A California Indian Tribe historically known as San Gabriel Band of Mission Indians
www.gabrielinotribe.org

TRIBAL CULTURAL RESOURCES AB52/SECTION 106 CONSULTATION
GABRIELINO TONGVA TRIBE

Linda Candelaria
Co-Chairwoman Gabrielino Tongva Tribe

July 21, 2019

Attention:
Robert Delgadillo
Senior Planner for the City of Compton

This letter is to inform the City of Compton that the Gabrielino Tongva Tribe will be actively participating in the tribal consultation process. Our cultural resource representative will be Sam Dunlap (Email: TongvaTCR@gmail.com, Mobile: (909) 262-9351). The Gabrielino Tongva Tribe has authorized Sam Dunlap to act on our behalf in the government to government consultation process.

The Gabrielino Tongva Tribe would like to express our ongoing concerns with the AB52/Section 106 consultation process that the Gabrielino Tongva Tribe has encountered over the last few years. The Gabrielino Tongva Tribe has ancestral ties and cultural affiliation to the city's jurisdictional area. We, therefore, have a vested interest in the AB52 and Section 106 consultation process with the City of Compton.

The City of Compton should be aware that the State of California's Native American Heritage Commission (NAHC) maintains a list of culturally affiliated Gabrielino Tongva Tribes for your area for a reason. It has been our experience as one of the designated Gabrielino Tongva Tribes that several cities within our tribal territory have been misled into believing that one particular Gabrielino tribe has sole jurisdiction over another. This particular issue is being carried out by a recently formed (2008) tribal group that has managed to abuse the AB52 process for their own benefit.

The AB52/Section 106 consultation process enables our Tribe to have an equal opportunity in future mitigation measures that the City of Compton may implement that affect Tribal Cultural Resources (TCR's), the Tribe would prefer to see language that enables our presence on-site during ground disturbance/excavation activity so that we may identify and assess the significance of any Tribal Cultural resource that may be encountered.

The Gabrielino Tongva Tribe looks forward to cooperating with the City of Compton as an equal partner in determining a rational approach to environmental compliance and establishing a fair and equal protocol for our tribal participation.

Sincerely,

Linda Candelaria
Co-Chairwoman
Gabrielino Tongva Tribe

Linda Candelaria, Councilwoman
Jerry Maldonado, Councilman

Vincent Holguin, Councilman
Charles Alvarez, Councilman
Jane Hussey, Councilwoman

Appendix D

Noise Measurements and Model Calculations

- Freq Weight : A
- Time Weight : SLOW
- Level Range : 40-100
- Max dB : 85.6 - 2019/06/20 17:05:54
- Level Range : 40-100
- SEL : 96.6
- Leq : 67.1
-

No.s	Date Time	(dB)
1	2019/06/20 16:56:36	64.5
2	2019/06/20 16:56:39	64.9
3	2019/06/20 16:56:42	62.8
4	2019/06/20 16:56:45	63.1
5	2019/06/20 16:56:48	63.4
6	2019/06/20 16:56:51	64.3
7	2019/06/20 16:56:54	63.3
8	2019/06/20 16:56:57	64.1
9	2019/06/20 16:57:00	63.6
10	2019/06/20 16:57:03	63.2
11	2019/06/20 16:57:06	63.2
12	2019/06/20 16:57:09	63.7
13	2019/06/20 16:57:12	63.4
14	2019/06/20 16:57:15	63.2
15	2019/06/20 16:57:18	63.1
16	2019/06/20 16:57:21	64.4
17	2019/06/20 16:57:24	63.7
18	2019/06/20 16:57:27	63.6
19	2019/06/20 16:57:30	64.5
20	2019/06/20 16:57:33	64.2
21	2019/06/20 16:57:36	66.3
22	2019/06/20 16:57:39	70.0
23	2019/06/20 16:57:42	64.2
24	2019/06/20 16:57:45	63.1
25	2019/06/20 16:57:48	66.1
26	2019/06/20 16:57:51	64.5
27	2019/06/20 16:57:54	63.9
28	2019/06/20 16:57:57	59.2
29	2019/06/20 16:58:00	55.3
30	2019/06/20 16:58:03	53.0
31	2019/06/20 16:58:06	52.5
32	2019/06/20 16:58:09	52.4
33	2019/06/20 16:58:12	52.2
34	2019/06/20 16:58:15	52.5
35	2019/06/20 16:58:18	61.8
36	2019/06/20 16:58:21	70.5
37	2019/06/20 16:58:24	75.2
38	2019/06/20 16:58:27	67.1
39	2019/06/20 16:58:30	72.4
40	2019/06/20 16:58:33	67.7
41	2019/06/20 16:58:36	71.4
42	2019/06/20 16:58:39	66.3
43	2019/06/20 16:58:42	67.9
44	2019/06/20 16:58:45	72.7
45	2019/06/20 16:58:48	68.0
46	2019/06/20 16:58:51	65.9
47	2019/06/20 16:58:54	65.6
48	2019/06/20 16:58:57	66.7
49	2019/06/20 16:59:00	69.7
50	2019/06/20 16:59:03	69.4
51	2019/06/20 16:59:06	64.1
52	2019/06/20 16:59:09	63.0
53	2019/06/20 16:59:12	65.0
54	2019/06/20 16:59:15	66.8
55	2019/06/20 16:59:18	64.1
56	2019/06/20 16:59:21	71.3
57	2019/06/20 16:59:24	68.6
58	2019/06/20 16:59:27	64.8
59	2019/06/20 16:59:30	72.4
60	2019/06/20 16:59:33	64.9
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62	2019/06/20 16:59:39	63.3
63	2019/06/20 16:59:42	63.1
64	2019/06/20 16:59:45	58.7
65	2019/06/20 16:59:48	55.4
66	2019/06/20 16:59:51	55.0
67	2019/06/20 16:59:54	54.7
68	2019/06/20 16:59:57	55.2
69	2019/06/20 17:00:00	55.8
70	2019/06/20 17:00:03	57.2
71	2019/06/20 17:00:06	59.7
72	2019/06/20 17:00:09	60.5
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74	2019/06/20 17:00:15	58.9
75	2019/06/20 17:00:18	60.7
76	2019/06/20 17:00:21	60.8
77	2019/06/20 17:00:24	60.0
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79	2019/06/20 17:00:30	59.6
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83	2019/06/20 17:00:42	65.0
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85	2019/06/20 17:00:48	66.7

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152	2019/06/20	17:04:09	54.5
153	2019/06/20	17:04:12	53.4
154	2019/06/20	17:04:15	53.0
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165	2019/06/20	17:04:48	67.6
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167	2019/06/20	17:04:54	70.7
168	2019/06/20	17:04:57	71.0
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171	2019/06/20	17:05:06	67.9
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177	2019/06/20	17:05:24	71.2
178	2019/06/20	17:05:27	72.2
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183	2019/06/20	17:05:42	58.6
184	2019/06/20	17:05:45	62.3

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187	2019/06/20	17:05:54	81.0
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189	2019/06/20	17:06:00	72.5
190	2019/06/20	17:06:03	64.0
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192	2019/06/20	17:06:09	64.2
193	2019/06/20	17:06:12	61.9
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256	2019/06/20	17:09:21	57.1
257	2019/06/20	17:09:24	57.1
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300	2019/06/20	17:11:33	65.3

- Freq Weight : A
- Time Weight : SLOW
- Level Range : 40-100
- Max dB : 89.5 - 2019/06/20 17:25:35
- Level Range : 40-100
- SEL : 102.5
- Leq : 73.0
-

No.s	Date Time	(dB)
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3	2019/06/20 17:20:24	69.8
4	2019/06/20 17:20:27	67.4
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6	2019/06/20 17:20:33	68.9
7	2019/06/20 17:20:36	65.0
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10	2019/06/20 17:20:45	66.0
11	2019/06/20 17:20:48	65.7
12	2019/06/20 17:20:51	73.7
13	2019/06/20 17:20:54	75.3
14	2019/06/20 17:20:57	82.4
15	2019/06/20 17:21:00	80.9
16	2019/06/20 17:21:03	72.7
17	2019/06/20 17:21:06	74.5
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44	2019/06/20 17:22:27	60.9
45	2019/06/20 17:22:30	64.4
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189	2019/06/20	17:29:42	69.0
190	2019/06/20	17:29:45	65.0
191	2019/06/20	17:29:48	67.9
192	2019/06/20	17:29:51	73.6
193	2019/06/20	17:29:54	73.4
194	2019/06/20	17:29:57	72.6
195	2019/06/20	17:30:00	68.0
196	2019/06/20	17:30:03	71.2
197	2019/06/20	17:30:06	70.2
198	2019/06/20	17:30:09	69.8
199	2019/06/20	17:30:12	66.4
200	2019/06/20	17:30:15	63.4
201	2019/06/20	17:30:18	61.6
202	2019/06/20	17:30:21	72.1
203	2019/06/20	17:30:24	71.2
204	2019/06/20	17:30:27	68.5
205	2019/06/20	17:30:30	66.6
206	2019/06/20	17:30:33	64.4
207	2019/06/20	17:30:36	67.4
208	2019/06/20	17:30:39	64.0
209	2019/06/20	17:30:42	58.7
210	2019/06/20	17:30:45	58.2
211	2019/06/20	17:30:48	72.1
212	2019/06/20	17:30:51	68.5
213	2019/06/20	17:30:54	63.5
214	2019/06/20	17:30:57	62.0
215	2019/06/20	17:31:00	70.2
216	2019/06/20	17:31:03	75.2
217	2019/06/20	17:31:06	76.0
218	2019/06/20	17:31:09	74.7
219	2019/06/20	17:31:12	72.7
220	2019/06/20	17:31:15	73.0
221	2019/06/20	17:31:18	74.9
222	2019/06/20	17:31:21	81.2
223	2019/06/20	17:31:24	76.0
224	2019/06/20	17:31:27	69.9
225	2019/06/20	17:31:30	68.4
226	2019/06/20	17:31:33	64.4
227	2019/06/20	17:31:36	63.4
228	2019/06/20	17:31:39	70.5
229	2019/06/20	17:31:42	73.6
230	2019/06/20	17:31:45	75.3
231	2019/06/20	17:31:48	73.3
232	2019/06/20	17:31:51	71.4
233	2019/06/20	17:31:54	73.0
234	2019/06/20	17:31:57	72.3
235	2019/06/20	17:32:00	72.0
236	2019/06/20	17:32:03	69.0
237	2019/06/20	17:32:06	66.6
238	2019/06/20	17:32:09	63.1
239	2019/06/20	17:32:12	64.2
240	2019/06/20	17:32:15	67.9
241	2019/06/20	17:32:18	74.8
242	2019/06/20	17:32:21	68.3
243	2019/06/20	17:32:24	82.6
244	2019/06/20	17:32:27	76.1
245	2019/06/20	17:32:30	69.5
246	2019/06/20	17:32:33	61.4
247	2019/06/20	17:32:36	58.9
248	2019/06/20	17:32:39	61.5
249	2019/06/20	17:32:42	64.9
250	2019/06/20	17:32:45	68.1
251	2019/06/20	17:32:48	63.0
252	2019/06/20	17:32:51	65.0
253	2019/06/20	17:32:54	74.3
254	2019/06/20	17:32:57	71.4
255	2019/06/20	17:33:00	69.9
256	2019/06/20	17:33:03	76.6
257	2019/06/20	17:33:06	71.9
258	2019/06/20	17:33:09	72.8
259	2019/06/20	17:33:12	64.7
260	2019/06/20	17:33:15	61.3
261	2019/06/20	17:33:18	67.5
262	2019/06/20	17:33:21	72.7
263	2019/06/20	17:33:24	66.4
264	2019/06/20	17:33:27	74.3
265	2019/06/20	17:33:30	68.1
266	2019/06/20	17:33:33	69.7
267	2019/06/20	17:33:36	65.4
268	2019/06/20	17:33:39	64.5
269	2019/06/20	17:33:42	65.8
270	2019/06/20	17:33:45	62.0
271	2019/06/20	17:33:48	67.8
272	2019/06/20	17:33:51	72.4
273	2019/06/20	17:33:54	81.7
274	2019/06/20	17:33:57	78.4
275	2019/06/20	17:34:00	75.6
276	2019/06/20	17:34:03	74.1
277	2019/06/20	17:34:06	74.7
278	2019/06/20	17:34:09	76.5
279	2019/06/20	17:34:12	75.7
280	2019/06/20	17:34:15	80.6
281	2019/06/20	17:34:18	84.5
282	2019/06/20	17:34:21	77.4
283	2019/06/20	17:34:24	74.9

284	2019/06/20	17:34:27	72.3
285	2019/06/20	17:34:30	66.4
286	2019/06/20	17:34:33	69.3
287	2019/06/20	17:34:36	71.4
288	2019/06/20	17:34:39	71.7
289	2019/06/20	17:34:42	67.9
290	2019/06/20	17:34:45	64.2
291	2019/06/20	17:34:48	64.1
292	2019/06/20	17:34:51	68.6
293	2019/06/20	17:34:54	74.9
294	2019/06/20	17:34:57	74.9
295	2019/06/20	17:35:00	72.4
296	2019/06/20	17:35:03	75.1
297	2019/06/20	17:35:06	75.3
298	2019/06/20	17:35:09	71.2
299	2019/06/20	17:35:12	71.1
300	2019/06/20	17:35:15	66.9

- Freq Weight : A
- Time Weight : SLOW
- Level Range : 40-100
- Max dB : 81.8 - 2019/06/20 17:49:46
- Level Range : 40-100
- SEL : 97.6
- Leq : 68.1
-

No.s	Date Time	(dB)
1	2019/06/20 17:44:25	62.6
2	2019/06/20 17:44:28	65.9
3	2019/06/20 17:44:31	63.3
4	2019/06/20 17:44:34	60.2
5	2019/06/20 17:44:37	58.9
6	2019/06/20 17:44:40	59.6
7	2019/06/20 17:44:43	60.6
8	2019/06/20 17:44:46	61.1
9	2019/06/20 17:44:49	62.8
10	2019/06/20 17:44:52	70.3
11	2019/06/20 17:44:55	65.9
12	2019/06/20 17:44:58	64.4
13	2019/06/20 17:45:01	63.2
14	2019/06/20 17:45:04	62.7
15	2019/06/20 17:45:07	62.9
16	2019/06/20 17:45:10	62.7
17	2019/06/20 17:45:13	67.7
18	2019/06/20 17:45:16	66.8
19	2019/06/20 17:45:19	69.1
20	2019/06/20 17:45:22	66.6
21	2019/06/20 17:45:25	69.5
22	2019/06/20 17:45:28	71.4
23	2019/06/20 17:45:31	66.6
24	2019/06/20 17:45:34	64.4
25	2019/06/20 17:45:37	68.2
26	2019/06/20 17:45:40	68.2
27	2019/06/20 17:45:43	68.3
28	2019/06/20 17:45:46	67.5
29	2019/06/20 17:45:49	68.0
30	2019/06/20 17:45:52	69.6
31	2019/06/20 17:45:55	69.2
32	2019/06/20 17:45:58	73.7
33	2019/06/20 17:46:01	70.7
34	2019/06/20 17:46:04	67.7
35	2019/06/20 17:46:07	66.3
36	2019/06/20 17:46:10	67.6
37	2019/06/20 17:46:13	69.2
38	2019/06/20 17:46:16	74.5
39	2019/06/20 17:46:19	77.6
40	2019/06/20 17:46:22	72.1
41	2019/06/20 17:46:25	69.6
42	2019/06/20 17:46:28	68.1
43	2019/06/20 17:46:31	70.1
44	2019/06/20 17:46:34	76.3
45	2019/06/20 17:46:37	72.3
46	2019/06/20 17:46:40	69.9
47	2019/06/20 17:46:43	68.3
48	2019/06/20 17:46:46	66.8
49	2019/06/20 17:46:49	65.2
50	2019/06/20 17:46:52	64.3
51	2019/06/20 17:46:55	63.6
52	2019/06/20 17:46:58	63.7
53	2019/06/20 17:47:01	65.7
54	2019/06/20 17:47:04	65.4
55	2019/06/20 17:47:07	64.9
56	2019/06/20 17:47:10	69.3
57	2019/06/20 17:47:13	67.5
58	2019/06/20 17:47:16	66.3
59	2019/06/20 17:47:19	65.5
60	2019/06/20 17:47:22	69.2
61	2019/06/20 17:47:25	68.4
62	2019/06/20 17:47:28	68.1
63	2019/06/20 17:47:31	64.7
64	2019/06/20 17:47:34	63.6
65	2019/06/20 17:47:37	69.7
66	2019/06/20 17:47:40	70.0
67	2019/06/20 17:47:43	66.4
68	2019/06/20 17:47:46	64.2
69	2019/06/20 17:47:49	67.1
70	2019/06/20 17:47:52	72.6
71	2019/06/20 17:47:55	71.5
72	2019/06/20 17:47:58	70.1
73	2019/06/20 17:48:01	70.1
74	2019/06/20 17:48:04	66.2
75	2019/06/20 17:48:07	63.2
76	2019/06/20 17:48:10	60.8
77	2019/06/20 17:48:13	61.5
78	2019/06/20 17:48:16	68.0
79	2019/06/20 17:48:19	66.6
80	2019/06/20 17:48:22	62.8
81	2019/06/20 17:48:25	61.1
82	2019/06/20 17:48:28	61.4
83	2019/06/20 17:48:31	65.9
84	2019/06/20 17:48:34	65.3
85	2019/06/20 17:48:37	66.8

86	2019/06/20	17:48:40	76.4
87	2019/06/20	17:48:43	68.4
88	2019/06/20	17:48:46	62.2
89	2019/06/20	17:48:49	60.8
90	2019/06/20	17:48:52	61.2
91	2019/06/20	17:48:55	61.9
92	2019/06/20	17:48:58	61.9
93	2019/06/20	17:49:01	60.8
94	2019/06/20	17:49:04	59.5
95	2019/06/20	17:49:07	60.1
96	2019/06/20	17:49:10	60.6
97	2019/06/20	17:49:13	62.5
98	2019/06/20	17:49:16	65.3
99	2019/06/20	17:49:19	63.3
100	2019/06/20	17:49:22	65.5
101	2019/06/20	17:49:25	63.1
102	2019/06/20	17:49:28	66.6
103	2019/06/20	17:49:31	68.1
104	2019/06/20	17:49:34	69.1
105	2019/06/20	17:49:37	68.6
106	2019/06/20	17:49:40	70.6
107	2019/06/20	17:49:43	81.7
108	2019/06/20	17:49:46	75.6
109	2019/06/20	17:49:49	72.4
110	2019/06/20	17:49:52	69.7
111	2019/06/20	17:49:55	66.7
112	2019/06/20	17:49:58	73.4
113	2019/06/20	17:50:01	74.4
114	2019/06/20	17:50:04	75.5
115	2019/06/20	17:50:07	67.8
116	2019/06/20	17:50:10	62.6
117	2019/06/20	17:50:13	63.5
118	2019/06/20	17:50:16	63.1
119	2019/06/20	17:50:19	65.6
120	2019/06/20	17:50:22	64.1
121	2019/06/20	17:50:25	65.4
122	2019/06/20	17:50:28	70.2
123	2019/06/20	17:50:31	63.7
124	2019/06/20	17:50:34	60.9
125	2019/06/20	17:50:37	60.3
126	2019/06/20	17:50:40	69.5
127	2019/06/20	17:50:43	67.2
128	2019/06/20	17:50:46	62.1
129	2019/06/20	17:50:49	62.2
130	2019/06/20	17:50:52	61.5
131	2019/06/20	17:50:55	60.4
132	2019/06/20	17:50:58	61.3
133	2019/06/20	17:51:01	64.0
134	2019/06/20	17:51:04	67.4
135	2019/06/20	17:51:07	66.3
136	2019/06/20	17:51:10	68.5
137	2019/06/20	17:51:13	65.6
138	2019/06/20	17:51:16	64.9
139	2019/06/20	17:51:19	69.3
140	2019/06/20	17:51:22	71.1
141	2019/06/20	17:51:25	67.1
142	2019/06/20	17:51:28	64.7
143	2019/06/20	17:51:31	71.8
144	2019/06/20	17:51:34	66.1
145	2019/06/20	17:51:37	64.7
146	2019/06/20	17:51:40	67.1
147	2019/06/20	17:51:43	68.1
148	2019/06/20	17:51:46	63.2
149	2019/06/20	17:51:49	60.6
150	2019/06/20	17:51:52	60.8
151	2019/06/20	17:51:55	63.3
152	2019/06/20	17:51:58	67.5
153	2019/06/20	17:52:01	70.1
154	2019/06/20	17:52:04	66.0
155	2019/06/20	17:52:07	64.0
156	2019/06/20	17:52:10	64.6
157	2019/06/20	17:52:13	72.0
158	2019/06/20	17:52:16	71.4
159	2019/06/20	17:52:19	70.1
160	2019/06/20	17:52:22	64.6
161	2019/06/20	17:52:25	64.6
162	2019/06/20	17:52:28	65.8
163	2019/06/20	17:52:31	67.4
164	2019/06/20	17:52:34	77.6
165	2019/06/20	17:52:37	68.3
166	2019/06/20	17:52:40	62.3
167	2019/06/20	17:52:43	61.3
168	2019/06/20	17:52:46	62.8
169	2019/06/20	17:52:49	61.4
170	2019/06/20	17:52:52	60.7
171	2019/06/20	17:52:55	60.3
172	2019/06/20	17:52:58	60.2
173	2019/06/20	17:53:01	62.3
174	2019/06/20	17:53:04	66.3
175	2019/06/20	17:53:07	64.6
176	2019/06/20	17:53:10	69.1
177	2019/06/20	17:53:13	68.8
178	2019/06/20	17:53:16	66.7
179	2019/06/20	17:53:19	66.9
180	2019/06/20	17:53:22	62.8
181	2019/06/20	17:53:25	64.9
182	2019/06/20	17:53:28	64.1
183	2019/06/20	17:53:31	67.3
184	2019/06/20	17:53:34	66.6

185	2019/06/20	17:53:37	65.8
186	2019/06/20	17:53:40	66.6
187	2019/06/20	17:53:43	69.1
188	2019/06/20	17:53:46	74.5
189	2019/06/20	17:53:49	73.1
190	2019/06/20	17:53:52	68.6
191	2019/06/20	17:53:55	66.0
192	2019/06/20	17:53:58	66.7
193	2019/06/20	17:54:01	68.8
194	2019/06/20	17:54:04	68.0
195	2019/06/20	17:54:07	70.2
196	2019/06/20	17:54:10	72.2
197	2019/06/20	17:54:13	69.2
198	2019/06/20	17:54:16	68.5
199	2019/06/20	17:54:19	66.5
200	2019/06/20	17:54:22	65.0
201	2019/06/20	17:54:25	67.9
202	2019/06/20	17:54:28	72.3
203	2019/06/20	17:54:31	67.3
204	2019/06/20	17:54:34	66.1
205	2019/06/20	17:54:37	64.8
206	2019/06/20	17:54:40	64.5
207	2019/06/20	17:54:43	68.6
208	2019/06/20	17:54:46	74.0
209	2019/06/20	17:54:49	69.6
210	2019/06/20	17:54:52	66.3
211	2019/06/20	17:54:55	67.9
212	2019/06/20	17:54:58	69.9
213	2019/06/20	17:55:01	67.8
214	2019/06/20	17:55:04	68.9
215	2019/06/20	17:55:07	66.7
216	2019/06/20	17:55:10	65.8
217	2019/06/20	17:55:13	65.7
218	2019/06/20	17:55:16	65.6
219	2019/06/20	17:55:19	67.4
220	2019/06/20	17:55:22	69.5
221	2019/06/20	17:55:25	70.7
222	2019/06/20	17:55:28	68.1
223	2019/06/20	17:55:31	68.6
224	2019/06/20	17:55:34	69.0
225	2019/06/20	17:55:37	69.7
226	2019/06/20	17:55:40	69.3
227	2019/06/20	17:55:43	66.6
228	2019/06/20	17:55:46	66.8
229	2019/06/20	17:55:49	69.8
230	2019/06/20	17:55:52	74.2
231	2019/06/20	17:55:55	71.8
232	2019/06/20	17:55:58	67.9
233	2019/06/20	17:56:01	64.8
234	2019/06/20	17:56:04	64.5
235	2019/06/20	17:56:07	65.2
236	2019/06/20	17:56:10	66.6
237	2019/06/20	17:56:13	66.9
238	2019/06/20	17:56:16	65.0
239	2019/06/20	17:56:19	64.2
240	2019/06/20	17:56:22	64.6
241	2019/06/20	17:56:25	63.8
242	2019/06/20	17:56:28	63.1
243	2019/06/20	17:56:31	61.8
244	2019/06/20	17:56:34	63.2
245	2019/06/20	17:56:37	62.9
246	2019/06/20	17:56:40	62.7
247	2019/06/20	17:56:43	65.2
248	2019/06/20	17:56:46	67.5
249	2019/06/20	17:56:49	71.1
250	2019/06/20	17:56:52	67.0
251	2019/06/20	17:56:55	66.2
252	2019/06/20	17:56:58	62.9
253	2019/06/20	17:57:01	61.2
254	2019/06/20	17:57:04	61.0
255	2019/06/20	17:57:07	61.3
256	2019/06/20	17:57:10	62.5
257	2019/06/20	17:57:13	63.7
258	2019/06/20	17:57:16	66.9
259	2019/06/20	17:57:19	66.1
260	2019/06/20	17:57:22	67.1
261	2019/06/20	17:57:25	67.4
262	2019/06/20	17:57:28	66.8
263	2019/06/20	17:57:31	69.7
264	2019/06/20	17:57:34	66.1
265	2019/06/20	17:57:37	66.4
266	2019/06/20	17:57:40	66.0
267	2019/06/20	17:57:43	65.8
268	2019/06/20	17:57:46	64.5
269	2019/06/20	17:57:49	63.8
270	2019/06/20	17:57:52	62.7
271	2019/06/20	17:57:55	62.7
272	2019/06/20	17:57:58	63.2
273	2019/06/20	17:58:01	62.2
274	2019/06/20	17:58:04	61.2
275	2019/06/20	17:58:07	61.4
276	2019/06/20	17:58:10	60.9
277	2019/06/20	17:58:13	59.9
278	2019/06/20	17:58:16	60.0
279	2019/06/20	17:58:19	59.4
280	2019/06/20	17:58:22	59.8
281	2019/06/20	17:58:25	61.5
282	2019/06/20	17:58:28	60.7
283	2019/06/20	17:58:31	61.1

284	2019/06/20	17:58:34	62.0
285	2019/06/20	17:58:37	64.3
286	2019/06/20	17:58:40	65.7
287	2019/06/20	17:58:43	70.0
288	2019/06/20	17:58:46	66.9
289	2019/06/20	17:58:49	64.8
290	2019/06/20	17:58:52	63.2
291	2019/06/20	17:58:55	62.6
292	2019/06/20	17:58:58	64.9
293	2019/06/20	17:59:01	69.6
294	2019/06/20	17:59:04	65.4
295	2019/06/20	17:59:07	64.9
296	2019/06/20	17:59:10	66.8
297	2019/06/20	17:59:13	66.9
298	2019/06/20	17:59:16	69.2
299	2019/06/20	17:59:19	67.5
300	2019/06/20	17:59:22	69.5

- Freq Weight : A
- Time Weight : SLOW
- Level Range : 40-100
- Max dB : 84.3 - 2019/06/20 18:07:14
- Level Range : 40-100
- SEL : 102.5
- Leq : 73.0
-

No.s	Date Time	(dB)
1	2019/06/20 18:01:54	72.7
2	2019/06/20 18:01:57	72.6
3	2019/06/20 18:02:00	75.7
4	2019/06/20 18:02:03	75.8
5	2019/06/20 18:02:06	76.9
6	2019/06/20 18:02:09	73.7
7	2019/06/20 18:02:12	76.4
8	2019/06/20 18:02:15	73.0
9	2019/06/20 18:02:18	72.9
10	2019/06/20 18:02:21	72.6
11	2019/06/20 18:02:24	71.6
12	2019/06/20 18:02:27	72.2
13	2019/06/20 18:02:30	72.2
14	2019/06/20 18:02:33	71.7
15	2019/06/20 18:02:36	72.2
16	2019/06/20 18:02:39	70.9
17	2019/06/20 18:02:42	70.2
18	2019/06/20 18:02:45	70.4
19	2019/06/20 18:02:48	70.2
20	2019/06/20 18:02:51	71.1
21	2019/06/20 18:02:54	71.1
22	2019/06/20 18:02:57	72.2
23	2019/06/20 18:03:00	74.4
24	2019/06/20 18:03:03	73.7
25	2019/06/20 18:03:06	73.8
26	2019/06/20 18:03:09	73.9
27	2019/06/20 18:03:12	71.6
28	2019/06/20 18:03:15	71.9
29	2019/06/20 18:03:18	72.7
30	2019/06/20 18:03:21	72.9
31	2019/06/20 18:03:24	78.9
32	2019/06/20 18:03:27	75.8
33	2019/06/20 18:03:30	77.8
34	2019/06/20 18:03:33	76.5
35	2019/06/20 18:03:36	74.9
36	2019/06/20 18:03:39	72.9
37	2019/06/20 18:03:42	71.4
38	2019/06/20 18:03:45	72.4
39	2019/06/20 18:03:48	73.2
40	2019/06/20 18:03:51	70.7
41	2019/06/20 18:03:54	69.2
42	2019/06/20 18:03:57	68.8
43	2019/06/20 18:04:00	69.8
44	2019/06/20 18:04:03	69.4
45	2019/06/20 18:04:06	69.6
46	2019/06/20 18:04:09	71.5
47	2019/06/20 18:04:12	69.8
48	2019/06/20 18:04:15	69.2
49	2019/06/20 18:04:18	71.3
50	2019/06/20 18:04:21	71.5
51	2019/06/20 18:04:24	70.9
52	2019/06/20 18:04:27	69.9
53	2019/06/20 18:04:30	70.3
54	2019/06/20 18:04:33	73.7
55	2019/06/20 18:04:36	75.1
56	2019/06/20 18:04:39	73.2
57	2019/06/20 18:04:42	75.3
58	2019/06/20 18:04:45	76.2
59	2019/06/20 18:04:48	75.9
60	2019/06/20 18:04:51	74.1
61	2019/06/20 18:04:54	74.8
62	2019/06/20 18:04:57	73.8
63	2019/06/20 18:05:00	73.7
64	2019/06/20 18:05:03	72.8
65	2019/06/20 18:05:06	71.0
66	2019/06/20 18:05:09	71.1
67	2019/06/20 18:05:12	71.7
68	2019/06/20 18:05:15	74.3
69	2019/06/20 18:05:18	71.7
70	2019/06/20 18:05:21	70.8
71	2019/06/20 18:05:24	70.2
72	2019/06/20 18:05:27	71.8
73	2019/06/20 18:05:30	72.5
74	2019/06/20 18:05:33	75.4
75	2019/06/20 18:05:36	73.8
76	2019/06/20 18:05:39	75.6
77	2019/06/20 18:05:42	72.1
78	2019/06/20 18:05:45	74.5
79	2019/06/20 18:05:48	73.8
80	2019/06/20 18:05:51	70.8
81	2019/06/20 18:05:54	75.9
82	2019/06/20 18:05:57	72.5
83	2019/06/20 18:06:00	70.1
84	2019/06/20 18:06:03	79.2
85	2019/06/20 18:06:06	77.7

86	2019/06/20	18:06:09	73.6
87	2019/06/20	18:06:12	74.2
88	2019/06/20	18:06:15	73.1
89	2019/06/20	18:06:18	74.3
90	2019/06/20	18:06:21	73.3
91	2019/06/20	18:06:24	71.5
92	2019/06/20	18:06:27	71.4
93	2019/06/20	18:06:30	70.4
94	2019/06/20	18:06:33	70.5
95	2019/06/20	18:06:36	72.1
96	2019/06/20	18:06:39	72.4
97	2019/06/20	18:06:42	70.8
98	2019/06/20	18:06:45	69.8
99	2019/06/20	18:06:48	69.5
100	2019/06/20	18:06:51	69.5
101	2019/06/20	18:06:54	70.9
102	2019/06/20	18:06:57	70.2
103	2019/06/20	18:07:00	69.0
104	2019/06/20	18:07:03	69.9
105	2019/06/20	18:07:06	72.3
106	2019/06/20	18:07:09	74.5
107	2019/06/20	18:07:12	83.6
108	2019/06/20	18:07:15	78.5
109	2019/06/20	18:07:18	76.2
110	2019/06/20	18:07:21	70.6
111	2019/06/20	18:07:24	69.6
112	2019/06/20	18:07:27	70.6
113	2019/06/20	18:07:30	69.3
114	2019/06/20	18:07:33	69.9
115	2019/06/20	18:07:36	70.4
116	2019/06/20	18:07:39	70.4
117	2019/06/20	18:07:42	71.5
118	2019/06/20	18:07:45	74.2
119	2019/06/20	18:07:48	76.8
120	2019/06/20	18:07:51	72.9
121	2019/06/20	18:07:54	71.8
122	2019/06/20	18:07:57	73.9
123	2019/06/20	18:08:00	73.6
124	2019/06/20	18:08:03	72.9
125	2019/06/20	18:08:06	71.8
126	2019/06/20	18:08:09	71.4
127	2019/06/20	18:08:12	71.5
128	2019/06/20	18:08:15	72.2
129	2019/06/20	18:08:18	73.6
130	2019/06/20	18:08:21	76.1
131	2019/06/20	18:08:24	73.9
132	2019/06/20	18:08:27	73.5
133	2019/06/20	18:08:30	73.3
134	2019/06/20	18:08:33	73.6
135	2019/06/20	18:08:36	72.9
136	2019/06/20	18:08:39	72.6
137	2019/06/20	18:08:42	76.4
138	2019/06/20	18:08:45	77.1
139	2019/06/20	18:08:48	79.8
140	2019/06/20	18:08:51	73.6
141	2019/06/20	18:08:54	71.1
142	2019/06/20	18:08:57	74.6
143	2019/06/20	18:09:00	76.2
144	2019/06/20	18:09:03	75.0
145	2019/06/20	18:09:06	72.9
146	2019/06/20	18:09:09	76.8
147	2019/06/20	18:09:12	76.8
148	2019/06/20	18:09:15	75.4
149	2019/06/20	18:09:18	71.6
150	2019/06/20	18:09:21	73.9
151	2019/06/20	18:09:24	72.6
152	2019/06/20	18:09:27	72.4
153	2019/06/20	18:09:30	71.4
154	2019/06/20	18:09:33	70.6
155	2019/06/20	18:09:36	70.0
156	2019/06/20	18:09:39	73.7
157	2019/06/20	18:09:42	75.5
158	2019/06/20	18:09:45	73.1
159	2019/06/20	18:09:48	72.9
160	2019/06/20	18:09:51	71.7
161	2019/06/20	18:09:54	72.0
162	2019/06/20	18:09:57	72.5
163	2019/06/20	18:10:00	74.0
164	2019/06/20	18:10:03	71.9
165	2019/06/20	18:10:06	78.0
166	2019/06/20	18:10:09	76.8
167	2019/06/20	18:10:12	72.7
168	2019/06/20	18:10:15	73.4
169	2019/06/20	18:10:18	74.2
170	2019/06/20	18:10:21	71.2
171	2019/06/20	18:10:24	70.8
172	2019/06/20	18:10:27	73.0
173	2019/06/20	18:10:30	75.3
174	2019/06/20	18:10:33	74.1
175	2019/06/20	18:10:36	72.6
176	2019/06/20	18:10:39	71.4
177	2019/06/20	18:10:42	71.0
178	2019/06/20	18:10:45	69.5
179	2019/06/20	18:10:48	70.4
180	2019/06/20	18:10:51	70.6
181	2019/06/20	18:10:54	74.8
182	2019/06/20	18:10:57	76.3
183	2019/06/20	18:11:00	76.3
184	2019/06/20	18:11:03	75.5

185	2019/06/20	18:11:06	74.2
186	2019/06/20	18:11:09	72.2
187	2019/06/20	18:11:12	71.5
188	2019/06/20	18:11:15	70.5
189	2019/06/20	18:11:18	73.3
190	2019/06/20	18:11:21	76.9
191	2019/06/20	18:11:24	77.2
192	2019/06/20	18:11:27	74.9
193	2019/06/20	18:11:30	73.3
194	2019/06/20	18:11:33	73.8
195	2019/06/20	18:11:36	72.4
196	2019/06/20	18:11:39	72.0
197	2019/06/20	18:11:42	72.6
198	2019/06/20	18:11:45	72.8
199	2019/06/20	18:11:48	72.9
200	2019/06/20	18:11:51	72.5
201	2019/06/20	18:11:54	73.3
202	2019/06/20	18:11:57	73.4
203	2019/06/20	18:12:00	73.0
204	2019/06/20	18:12:03	72.6
205	2019/06/20	18:12:06	73.6
206	2019/06/20	18:12:09	74.0
207	2019/06/20	18:12:12	76.0
208	2019/06/20	18:12:15	73.3
209	2019/06/20	18:12:18	74.3
210	2019/06/20	18:12:21	73.7
211	2019/06/20	18:12:24	73.5
212	2019/06/20	18:12:27	73.3
213	2019/06/20	18:12:30	72.8
214	2019/06/20	18:12:33	72.5
215	2019/06/20	18:12:36	72.2
216	2019/06/20	18:12:39	72.3
217	2019/06/20	18:12:42	72.7
218	2019/06/20	18:12:45	73.6
219	2019/06/20	18:12:48	82.9
220	2019/06/20	18:12:51	75.6
221	2019/06/20	18:12:54	72.5
222	2019/06/20	18:12:57	72.1
223	2019/06/20	18:13:00	73.2
224	2019/06/20	18:13:03	72.6
225	2019/06/20	18:13:06	74.3
226	2019/06/20	18:13:09	73.0
227	2019/06/20	18:13:12	71.9
228	2019/06/20	18:13:15	71.9
229	2019/06/20	18:13:18	71.6
230	2019/06/20	18:13:21	71.0
231	2019/06/20	18:13:24	71.9
232	2019/06/20	18:13:27	72.2
233	2019/06/20	18:13:30	73.0
234	2019/06/20	18:13:33	72.2
235	2019/06/20	18:13:36	72.9
236	2019/06/20	18:13:39	72.8
237	2019/06/20	18:13:42	72.1
238	2019/06/20	18:13:45	71.8
239	2019/06/20	18:13:48	71.3
240	2019/06/20	18:13:51	72.0
241	2019/06/20	18:13:54	71.5
242	2019/06/20	18:13:57	70.5
243	2019/06/20	18:14:00	70.0
244	2019/06/20	18:14:03	69.6
245	2019/06/20	18:14:06	69.8
246	2019/06/20	18:14:09	70.8
247	2019/06/20	18:14:12	71.6
248	2019/06/20	18:14:15	71.2
249	2019/06/20	18:14:18	69.6
250	2019/06/20	18:14:21	70.3
251	2019/06/20	18:14:24	71.3
252	2019/06/20	18:14:27	72.2
253	2019/06/20	18:14:30	72.1
254	2019/06/20	18:14:33	74.1
255	2019/06/20	18:14:36	77.5
256	2019/06/20	18:14:39	77.2
257	2019/06/20	18:14:42	74.3
258	2019/06/20	18:14:45	73.5
259	2019/06/20	18:14:48	74.0
260	2019/06/20	18:14:51	73.9
261	2019/06/20	18:14:54	72.4
262	2019/06/20	18:14:57	73.3
263	2019/06/20	18:15:00	70.3
264	2019/06/20	18:15:03	69.4
265	2019/06/20	18:15:06	71.0
266	2019/06/20	18:15:09	71.6
267	2019/06/20	18:15:12	70.3
268	2019/06/20	18:15:15	71.1
269	2019/06/20	18:15:18	74.9
270	2019/06/20	18:15:21	72.3
271	2019/06/20	18:15:24	70.6
272	2019/06/20	18:15:27	70.7
273	2019/06/20	18:15:30	71.5
274	2019/06/20	18:15:33	72.2
275	2019/06/20	18:15:36	73.2
276	2019/06/20	18:15:39	73.1
277	2019/06/20	18:15:42	72.8
278	2019/06/20	18:15:45	72.5
279	2019/06/20	18:15:48	72.2
280	2019/06/20	18:15:51	71.2
281	2019/06/20	18:15:54	70.3
282	2019/06/20	18:15:57	71.3
283	2019/06/20	18:16:00	73.0

284	2019/06/20	18:16:03	74.0
285	2019/06/20	18:16:06	75.4
286	2019/06/20	18:16:09	73.9
287	2019/06/20	18:16:12	72.6
288	2019/06/20	18:16:15	71.7
289	2019/06/20	18:16:18	71.6
290	2019/06/20	18:16:21	71.9
291	2019/06/20	18:16:24	72.3
292	2019/06/20	18:16:27	72.7
293	2019/06/20	18:16:30	71.9
294	2019/06/20	18:16:33	72.1
295	2019/06/20	18:16:36	71.3
296	2019/06/20	18:16:39	69.8
297	2019/06/20	18:16:42	70.1
298	2019/06/20	18:16:45	70.7
299	2019/06/20	18:16:48	69.6
300	2019/06/20	18:16:51	70.5

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/03/2019
Case Description: Demolition

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	50.0	0.0
Excavator	No	40		80.7	50.0	0.0
Dozer	No	40		81.7	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Concrete Saw	89.6	82.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	89.6	84.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #2 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	100.0	0.0
Excavator	No	40		80.7	100.0	0.0
Dozer	No	40		81.7	100.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Calculated (dBA)						Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	83.6	76.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	74.7	70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	75.6	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.6	78.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #3 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Impact	Usage	Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding

Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	250.0	0.0
Excavator	No	40		80.7	250.0	0.0
Dozer	No	40		81.7	250.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Concrete Saw	75.6	68.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	66.7	62.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	67.7	63.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75.6	70.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #4 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	500.0	0.0
Excavator	No	40		80.7	500.0	0.0
Dozer	No	40		81.7	500.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Calculated (dBA)				Day		Evening				
Night	Day		Evening		Night					
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	69.6	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	60.7	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.7	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	69.6	64.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/03/2019
Case Description: Site Preparation

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	50.0	0.0
Tractor	No	40	84.0		50.0	0.0
Front End Loader	No	40		79.1	50.0	0.0
Backhoe	No	40		77.6	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	77.6	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	84.0	83.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #2 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	100.0	0.0
Tractor	No	40	84.0		100.0	0.0
Front End Loader	No	40		79.1	100.0	0.0
Backhoe	No	40		77.6	100.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	75.6	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	78.0	74.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	78.0	77.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #3 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night

Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	250.0	0.0
Tractor	No	40	84.0		250.0	0.0
Front End Loader	No	40		79.1	250.0	0.0
Backhoe	No	40		77.6	250.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	67.7	63.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	70.0	66.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	65.1	61.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	63.6	59.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.0	69.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #4 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Spec	Actual	Receptor	Estimated

Description	Impact Device	Usage (%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Dozer	No	40		81.7	500.0	0.0
Tractor	No	40	84.0		500.0	0.0
Front End Loader	No	40		79.1	500.0	0.0
Backhoe	No	40		77.6	500.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	61.7	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.0	60.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.0	63.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/03/2019
Case Description:

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Description	Impact Device	Usage (%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	50.0	0.0
Tractor	No	40	84.0		50.0	0.0
Front End Loader	No	40		79.1	50.0	0.0
Backhoe	No	40		77.6	50.0	0.0
Excavator	No	40		80.7	50.0	0.0
Grader	No	40	85.0		50.0	0.0
Scraper	No	40		83.6	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	77.6	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Excavator		80.7	76.7	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Grader		85.0	81.0	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Scraper		83.6	79.6	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Total		85.0	86.8	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

**** Receptor #2 ****

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	100.0	0.0
Tractor	No	40	84.0		100.0	0.0
Front End Loader	No	40		79.1	100.0	0.0
Backhoe	No	40		77.6	100.0	0.0
Excavator	No	40		80.7	100.0	0.0
Grader	No	40	85.0		100.0	0.0
Scraper	No	40		83.6	100.0	0.0

Results

		Calculated (dBA)		Day		Evening		Night	
Equipment		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer		75.6	71.7	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Tractor		78.0	74.0	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Front End Loader		73.1	69.1		N/A		N/A		N/A		N/A		N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A								
Backhoe		71.5	67.6		N/A		N/A		N/A		N/A		N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A								
Excavator		74.7	70.7		N/A		N/A		N/A		N/A		N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A								
Grader		79.0	75.0		N/A		N/A		N/A		N/A		N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A								
Scraper		77.6	73.6		N/A		N/A		N/A		N/A		N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A								
Total		79.0	80.8		N/A		N/A		N/A		N/A		N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A								

**** Receptor #3 ****

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	250.0	0.0
Tractor	No	40	84.0		250.0	0.0
Front End Loader	No	40		79.1	250.0	0.0
Backhoe	No	40		77.6	250.0	0.0
Excavator	No	40		80.7	250.0	0.0
Grader	No	40	85.0		250.0	0.0
Scraper	No	40		83.6	250.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

		Calculated (dBA)			Day			Evening			Night			
Night		Day			Evening			Night						
Equipment		Lmax	Leq		Lmax	Leq		Lmax	Leq		Lmax	Leq		Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq								

Dozer			67.7	63.7		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor			70.0	66.0		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader			65.1	61.2		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe			63.6	59.6		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator			66.7	62.8		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader			71.0	67.0		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper			69.6	65.6		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total			71.0	72.8		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #4 ****

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	500.0	0.0
Tractor	No	40	84.0		500.0	0.0
Front End Loader	No	40		79.1	500.0	0.0
Backhoe	No	40		77.6	500.0	0.0
Excavator	No	40		80.7	500.0	0.0
Grader	No	40	85.0		500.0	0.0
Scraper	No	40		83.6	500.0	0.0

Results

	Noise Limits (dBA)					
	Noise Limit Exceedance (dBA)					
	Calculated (dBA)			Day	Evening	Night
Night	Day	Evening	Night			

Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	61.7	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.0	60.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	60.7	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	65.0	61.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	63.6	59.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.0	66.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/03/2019
Case Description: Building Construction

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	50.0	0.0
Tractor	No	40	84.0		50.0	0.0
Front End Loader	No	40		79.1	50.0	0.0
Backhoe	No	40		77.6	50.0	0.0
All Other Equipment > 5 HP	No	50	85.0		50.0	0.0
Generator	No	50		80.6	50.0	0.0
Welder / Torch	No	40		74.0	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
	Calculated (dBA)		Day		Evening	
			Evening		Night	

Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		
Crane			80.6	72.6		N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Tractor			84.0	80.0		N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Front End Loader			79.1	75.1		N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Backhoe			77.6	73.6		N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
All Other Equipment > 5 HP			85.0	82.0		N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Generator			80.6	77.6		N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Welder / Torch			74.0	70.0		N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		Total	85.0	86.0		N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

**** Receptor #2 ****

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

	Equipment					
			Spec	Actual	Receptor	Estimated
	Impact	Usage	Lmax	Lmax	Distance	Shielding
Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)
Crane	No	16		80.6	100.0	0.0
Tractor	No	40	84.0		100.0	0.0
Front End Loader	No	40		79.1	100.0	0.0
Backhoe	No	40		77.6	100.0	0.0
All Other Equipment > 5 HP	No	50	85.0		100.0	0.0
Generator	No	50		80.6	100.0	0.0
Welder / Torch	No	40		74.0	100.0	

0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Calculated (dBA)				Day		Evening		Night			
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	74.5	66.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	78.0	74.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	79.0	76.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	74.6	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	68.0	64.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	79.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #3 ****

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

			Spec	Actual	Receptor	Estimated
	Impact	Usage	Lmax	Lmax	Distance	Shielding
Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)

Crane	No	16	80.6	250.0	0.0
Tractor	No	40	84.0	250.0	0.0
Front End Loader	No	40	79.1	250.0	0.0
Backhoe	No	40	77.6	250.0	0.0
All Other Equipment > 5 HP	No	50	85.0	250.0	0.0
Generator	No	50	80.6	250.0	0.0
Welder / Torch	No	40	74.0	250.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Calculated (dBA) Day Leq	Calculated (dBA) Evening Lmax	Calculated (dBA) Evening Leq	Calculated (dBA) Night Lmax	Calculated (dBA) Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Crane	66.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	70.0	66.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	65.1	61.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	63.6	59.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	71.0	68.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	66.7	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	60.0	56.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.0	72.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #4 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	500.0	0.0
Tractor	No	40	84.0		500.0	0.0
Front End Loader	No	40		79.1	500.0	0.0
Backhoe	No	40		77.6	500.0	0.0
All Other Equipment > 5 HP	No	50	85.0		500.0	0.0
Generator	No	50		80.6	500.0	0.0
Welder / Torch	No	40		74.0	500.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Crane	60.6	52.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Tractor				64.0	60.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Front End Loader				59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Backhoe				57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
All Other Equipment > 5 HP				65.0	62.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Generator				60.6	57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Welder / Torch				54.0	50.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			Total	65.0	66.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/03/2019
Case Description: Paving

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	50.0	0.0
Pavement Scarafier	No	20		89.5	50.0	0.0
Roller	No	20		80.0	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Paver	77.2	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	89.5	82.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	80.0	73.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	89.5	83.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #2 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	100.0	0.0
Pavement Scarafier	No	20		89.5	100.0	0.0
Roller	No	20		80.0	100.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Calculated (dBA) Day Evening Night

Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	71.2	68.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	83.5	76.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	74.0	67.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.5	77.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #3 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Impact	Usage	Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	250.0	0.0
Pavement Scarafier	No	20		89.5	250.0	0.0
Roller	No	20		80.0	250.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Paver	63.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	75.5	68.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	66.0	59.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75.5	69.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #4 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	500.0	0.0
Pavement Scarafier	No	20		89.5	500.0	0.0
Roller	No	20		80.0	500.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Calculated (dBA) Day Leq	Calculated (dBA) Evening Lmax	Calculated (dBA) Evening Leq	Calculated (dBA) Night Lmax	Calculated (dBA) Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Paver	57.2	54.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	69.5	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60.0	53.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	69.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/03/2019
Case Description: Demolition

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Compressor (air)	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #2 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	100.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Compressor (air)	71.6	67.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.6	67.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #3 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	250.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

	Calculated (dBA)				Day		Evening		
Night	Day		Evening		Night				
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			
Compressor (air)	63.7	59.7	N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Total	63.7	59.7	N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

**** Receptor #4 ****

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	500.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

	Calculated (dBA)				Day		Evening		
Night	Day		Evening		Night				
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			
Compressor (air)	57.7	53.7	N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Total	57.7	53.7	N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

FHWA RD-77-108

Traffic Noise Prediction Model

Data Input Sheet

Project Name : Compton Artesia TOD Specific Plan
Project Number : 16-03660
Modeled Condition : Existing Only

Surface Reflection: CNEL
Assessment Metric: Hard
Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment From	Segment To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	Greenleaf Blvd	W/O Gateway Dr		1,676	40	50	97.00	2.00	1.00	75.00	10.00	15.00	
2	Greenleaf Blvd	Gateway Dr	Alameda St	870	40	50	97.00	2.00	1.00	75.00	10.00	15.00	
3	Alameda St	Greenleaf Blvd	Towne Center Dr -	1,522	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
4	Alameda St	Towne Center Dr - N	Towne Center Dr -	1,627	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
5	Alameda St	Towne Center Dr - S	Artesia Blvd	1,696	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
6	Acacia Ct	Walnut St	Artesia Blvd	930	30	50	95.00	2.00	3.00	75.00	10.00	15.00	
7	Artesia Blvd	Acacia Ct	Hotel Driveway	2,702	45	50	95.00	2.00	3.00	75.00	10.00	15.00	
8	Artesia Blvd	Hotel Driveway	Alameda St	2,697	45	50	95.00	2.00	3.00	75.00	10.00	15.00	

FHWA RD-77-108

Traffic Noise Prediction Model

Predicted Noise Levels

Project Name : Compton Artesia TOD Specific Plan
Project Number : 16-03660
Modeled Condition : Existing Only
Assessment Metric: Hard

		Segment		Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
Segment	Roadway	From	To	Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Greenleaf Blvd	W/O Gateway Dr		68.7	60.7	62.5	70	16	51	162	512	1,618	5,116
2	Greenleaf Blvd	Gateway Dr	Alameda St	65.8	57.9	59.7	67	8	27	85	269	849	2,685
3	Alameda St	Greenleaf Blvd	Towne Center Dr -	68.2	60.3	66.9	71	20	63	199	629	1,991	6,295
4	Alameda St	Towne Center Dr - N	Towne Center Dr -	68.4	60.6	67.2	71	21	67	213	674	2,133	6,745
5	Alameda St	Towne Center Dr - S	Artesia Blvd	68.6	60.8	67.4	71	22	69	218	690	2,183	6,902
6	Acacia Ct	Walnut St	Artesia Blvd	62.4	56.2	65.1	67	8	27	85	269	849	2,685
7	Artesia Blvd	Acacia Ct	Hotel Driveway	72.1	63.6	69.9	75	45	141	446	1,409	4,456	14,092
8	Artesia Blvd	Hotel Driveway	Alameda St	72.1	63.6	69.9	75	45	141	446	1,409	4,456	14,092

FHWA RD-77-108

Traffic Noise Prediction Model

Data Input Sheet

Project Name : Compton Artesia TOD Specific Plan
Project Number : 16-03660
Modeled Condition : Existing Plus Project

Surface Refelction: CNEL
Assessment Metric: Hard
Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment From	Segment To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	Greenleaf Blvd	W/O Gateway Dr		1,718	40	50	97.00	2.00	1.00	75.00	10.00	15.00	
2	Greenleaf Blvd	Gateway Dr	Alameda St	948	40	50	97.00	2.00	1.00	75.00	10.00	15.00	
3	Alameda St	Greenleaf Blvd	Towne Center Dr -	1,638	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
4	Alameda St	Towne Center Dr - N	Towne Center Dr -	1,762	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
5	Alameda St	Towne Center Dr - S	Artesia Blvd	1,967	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
6	Acacia Ct	Walnut St	Artesia Blvd	1,127	30	50	95.00	2.00	3.00	75.00	10.00	15.00	
7	Artesia Blvd	Acacia Ct	Hotel Driveway	2,963	45	50	95.00	2.00	3.00	75.00	10.00	15.00	
8	Artesia Blvd	Hotel Driveway	Alameda St	2,975	45	50	95.00	2.00	3.00	75.00	10.00	15.00	

FHWA RD-77-108

Traffic Noise Prediction Model

Predicted Noise Levels

Project Name : Compton Artesia TOD Specific Plan
Project Number : 16-03660
Modeled Condition : Existing Plus Project
Assessment Metric: Hard

		Segment		Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
Segment	Roadway	From	To	Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Greenleaf Blvd	W/O Gateway Dr		68.8	60.8	62.7	70	17	52	166	524	1,656	5,236
2	Greenleaf Blvd	Gateway Dr	Alameda St	66.2	58.3	60.1	68	9	29	93	294	931	2,944
3	Alameda St	Greenleaf Blvd	Towne Center Dr -	68.5	60.6	67.2	71	21	67	213	674	2,133	6,745
4	Alameda St	Towne Center Dr - N	Towne Center Dr -	68.8	60.9	67.5	72	23	72	229	723	2,285	7,227
5	Alameda St	Towne Center Dr - S	Artesia Blvd	69.3	61.4	68.0	72	26	81	256	811	2,564	8,109
6	Acacia Ct	Walnut St	Artesia Blvd	63.3	57.1	65.9	68	10	33	104	330	1,045	3,303
7	Artesia Blvd	Acacia Ct	Hotel Driveway	72.5	64.0	70.3	75	49	155	489	1,545	4,886	15,451
8	Artesia Blvd	Hotel Driveway	Alameda St	72.5	64.0	70.3	75	49	155	489	1,545	4,886	15,451

FHWA RD-77-108

Traffic Noise Prediction Model

Data Input Sheet

Project Name : Compton Artesia TOD Specific Plan
Project Number : 16-03660
Modeled Condition : Future With Project

Surface Refelction: CNEL
Assessment Metric: Hard
Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment From	Segment To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	Greenleaf Blvd	W/O Gateway Dr		1,855	40	50	97.00	2.00	1.00	75.00	10.00	15.00	
2	Greenleaf Blvd	Gateway Dr	Alameda St	1,020	40	50	97.00	2.00	1.00	75.00	10.00	15.00	
3	Alameda St	Greenleaf Blvd	Towne Center Dr -	1,763	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
4	Alameda St	Towne Center Dr - N	Towne Center Dr -	1,896	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
5	Alameda St	Towne Center Dr - S	Artesia Blvd	2,106	40	50	95.00	2.00	3.00	75.00	10.00	15.00	
6	Acacia Ct	Walnut St	Artesia Blvd	1,203	30	50	95.00	2.00	3.00	75.00	10.00	15.00	
7	Artesia Blvd	Acacia Ct	Hotel Driveway	3,185	45	50	95.00	2.00	3.00	75.00	10.00	15.00	
8	Artesia Blvd	Hotel Driveway	Alameda St	3,196	45	50	95.00	2.00	3.00	75.00	10.00	15.00	

FHWA RD-77-108

Traffic Noise Prediction Model

Predicted Noise Levels

Project Name : Compton Artesia TOD Specific Plan
Project Number : 16-03660
Modeled Condition : Future With Project
Assessment Metric: Hard

		Segment		Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
Segment	Roadway	From	To	Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Greenleaf Blvd	W/O Gateway Dr		69.1	61.2	63.0	71	18	57	182	574	1,815	5,741
2	Greenleaf Blvd	Gateway Dr	Alameda St	66.5	58.6	60.4	68	10	32	100	315	998	3,155
3	Alameda St	Greenleaf Blvd	Towne Center Dr -	68.8	60.9	67.5	72	23	72	229	723	2,285	7,227
4	Alameda St	Towne Center Dr - N	Towne Center Dr -	69.1	61.3	67.9	72	24	77	245	774	2,449	7,744
5	Alameda St	Towne Center Dr - S	Artesia Blvd	69.6	61.7	68.3	72	27	87	275	869	2,748	8,689
6	Acacia Ct	Walnut St	Artesia Blvd	63.5	57.3	66.2	68	11	35	109	346	1,094	3,459
7	Artesia Blvd	Acacia Ct	Hotel Driveway	72.8	64.3	70.6	75	52	166	524	1,656	5,236	16,557
8	Artesia Blvd	Hotel Driveway	Alameda St	72.8	64.3	70.6	75	52	166	524	1,656	5,236	16,557

Train Vibration Calculation - Compton Artesia TOD Specific Plan

Project Site Distance to Rail Road	125	Feet

Type of Development	
Wood-Frame Houses	-5
1-2 Story Masonry	-7
3-4 Story Masonry	-10
Large Masonry on Piles	-10
Large Masonry on Spread-footings	-13
Foundations on Rock	0

Wood-Frame Houses	-5

Speed Correction		
PT Speed	35	MPH
FT Speed	26	MPH
PT Speed Correction	-3.1	VdB
FT Speed Correction	-5.7	VdB

Locomotive Powered Passenger or Freight Curve	**VdB**	**RMS**	**PPV**
Initial Vibration at Distance	76	0.006	0.026
Speed Reductions	***VdB***	***RMS***	***PPV***
Passenger Adjusted VdB	73	0.005	0.018
Freight Adjusted VdB	67	0.002	0.009
Structure Reductions	***VdB***	***RMS***	***PPV***
Passenger Adjusted VdB	68	0.003	0.010
Freight Adjusted VdB	62	0.001	0.005

Train Vibration Calculation - Compton Artesia TOD Specific Plan

Project Site Distance to Rail Road	75	Feet

Type of Development	
Wood-Frame Houses	-5
1-2 Story Masonry	-7
3-4 Story Masonry	-10
Large Masonry on Piles	-10
Large Masonry on Spread-footings	-13
Foundations on Rock	0
Wood-Frame Houses	-5

Speed Correction		
PT Speed	35	MPH
FT Speed	26	MPH
PT Speed Correction	-3.1	VdB
FT Speed Correction	-5.7	VdB

Locomotive Powered Passenger or Freight Curve	**VdB**	**RMS**	**PPV**
Initial Vibration at Distance	81	0.011	0.045
Speed Reductions	***VdB***	***RMS***	***PPV***
Passenger Adjusted VdB	78	0.008	0.032
Freight Adjusted VdB	72	0.004	0.017
Structure Reductions	***VdB***	***RMS***	***PPV***
Passenger Adjusted VdB	73	0.004	0.018
Freight Adjusted VdB	67	0.002	0.009

Appendix E

Public Services

Alison Pugash

From: Skaggs, Clinton C. <CCSkaggs@lasd.org>
Sent: Tuesday, June 18, 2019 6:53 AM
To: Alison Pugash
Subject: RE: City of Compton increase in housing units and population

CAUTION: This email originated from outside of Rincon Consultants. Be cautious before clicking on any links, or opening any attachments, until you are confident that the content is safe .

I would have to refer you to Compton Station for response times and goals. If you don't have a contact at the station, I can get you a name. The 15 deputy increase is based solely on maintaining the current Deputy to population ratio. This would be our recommendation. With an approximate 20% increase in population, the staffing would be increased by 20% since it could be anticipated work load would be increasing by 20%.

From: Alison Pugash [mailto:apugash@rinconconsultants.com]
Sent: Monday, June 17, 2019 12:42 PM
To: Skaggs, Clinton C. <CCSkaggs@lasd.org>
Subject: RE: City of Compton increase in housing units and population

Hi Sergeant Skaggs,

Thank you very much for the information you've provided, this is helpful.

I have a few more questions I forgot to ask. What is the current response time for Compton? What is LACSD's goal in terms of response times? Would the 15-staff increase in Sherriff's deputies be needed to maintain LACSD response times, or is there another metric used that warrants the increase?

Thank you,

Alison

Alison Pugash, Environmental Planner
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213-805-6963 Direct
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5000 Fastest Growing Companies - Inc Magazine

From: Skaggs, Clinton C. <CCSkaggs@lasd.org>
Sent: Monday, June 17, 2019 12:02 PM
To: Alison Pugash <apugash@rinconconsultants.com>
Subject: City of Compton increase in housing units and population

CAUTION: This email originated from outside of Rincon Consultants. Be cautious before clicking on any links, or opening any attachments, until you are confident that the content is safe .

Good morning Allison,

Below is the recommended increase in law enforcement service to the City of Compton based on the increase in housing and population you provided me (4800 housing units / 19,000 people). Ultimately, the "formula" used is a proportional increase in the Deputy Sheriff service level to the increase in population. I have used the 2010 census population of 97,617. The current Deputy staffing for the City of Compton is 80 deputies. These 80 deputies staff mostly 10 hour shifts 7 days a week; seven units on Early Morning Shift, twelve on Day Shift, fifteen on PM Shift, and twelve to address special problems.

The recommended increase is fifteen Deputy Sheriffs to staff seven 10 hour shifts, seven days a week. The likely deployment would be two additional units to each shift and one for special problems.

I hope that this information is useful in your impact study. Please feel free to call me if you have further questions.

Sergeant Clinton Skaggs
Los Angeles County Sheriff's Dept.
Contract Law Enforcement Bureau
Hall of Justice (213)229-1626

Appendix F

Traffic Impact Study

TRAFFIC IMPACT STUDY
Compton Hubcity - Artesia Blue Line Station Transit Oriented District -

October 2019

Prepared For:

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JB61295 – Rev 3

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EXECUTIVE SUMMARY

- The proposed City of Compton Hubcity project is a Specific Plan centered on the existing Artesia Metro Blue Line light rail station. The Plan defines a Transit-Oriented Development (TOD) program with two proposed land use alternatives. Each alternative having seven sub-areas with the Proposed Project scenario consisting of residential, retail, cultural, and office land uses; while the Alternate Scenario consisting of these same land uses along with light-industrial. In plan, residential housing would be less dense in the Alternate scenario.

- The Project is anticipated to be completed by the end of the year 2040.

Trips Generated

- The trip generation of the project was calculated using nationally-accepted rates defined by the Institute of Transportation Engineers (ITE) –Trip Generation (10th edition). Credits were included for existing commercial and industrial land uses. Internal trip capture rates, estimated transit use credits, and pass-by credits for commercial uses were also included in the calculations.

- The Proposed Project would generate 11,894 daily trips including 1,064 vehicle trips during the a.m. peak hour (282 inbound trips and 782 outbound trips) and 872 vehicle trips during the p.m. peak hour (550 inbound trips and 322 outbound trips).

- The Alternate Scenario is expected to generate 193 vehicle trips during the a.m. peak hour and a net negative total of 186 vehicle trips during the p.m. peak hour. Because the p.m. peak hour trip generation rate is negative, the p.m. peak hour traffic analysis assumed that there would be no net project-generated traffic for those sub-areas with net negative trips. The eastern sub-areas, however, would generate a net total of 203 vehicle trips during the a.m. peak hour and the western sub-areas would generate a net total of 25 trips during the p.m. peak hour.

Significant Impacts, Existing plus-Project Conditions

- Based on the applied County of Los Angeles significant traffic impact criteria, the Proposed Project would create significant traffic impacts at these four study intersections under *Existing with-Project* conditions.

  - Wilmington Avenue/Walnut Street
  - Acacia Court/ Walnut Street
  - Alameda Street/ Auto Drive South
  - Acacia Court/ Artesia Boulevard

- Based on the applied County of Los Angeles significant traffic impact criteria, the Alternate Scenario would create significant traffic impacts at none of the study intersections under *Existing With-Project* conditions.

Cumulative Growth

- SCAG *Regional Travel Demand Model* output indicated that traffic would decrease through the buildout year of 2040, with an average decline across the area roadways equal to 13.4 percent of

existing baseline traffic volumes. Other data was reviewed to provide a realistic but non-zero growth estimate in traffic volumes for the area.

- From data in the Regional Growth Forecast developed by SCAG, the higher growth between residential and employment growth for Compton was applied. The compounded growth rate through the analyzed buildout year was calculated to be 8.2 percent. This defined cumulative volumes including Project-generated trips.

Cumulative Impacts

- Cumulative traffic volumes including the Proposed Project would create significant traffic impacts at the following six study intersections:

  - Gateway Dr/Tamarind Ave & Greenleaf Blvd
  - Alameda St West & Greenleaf Blvd
  - Wilmington Avenue/Walnut Street
  - Acacia Court/ Walnut Street
  - Acacia Court/ Artesia Boulevard
  - Artesia Boulevard Connector/ Alameda St

- Cumulative traffic volumes including the Alternate Scenario would create significant traffic impacts at the same study intersections as the Proposed Project, except for the intersection of Acacia Court and Walnut Street where a significant impact would not occur.

Significant and Unavoidable Impacts

- Under existing conditions with the Proposed Project, significant impacts would remain after the application of the identified feasible mitigation measures at one of the impacted study intersections.

- Under future cumulative conditions with the Proposed Project, significant impacts would remain for this scenario after the application of the identified feasible mitigation measures at four of the impacted study intersections.

- Under future cumulative conditions with the Alternate Scenario, significant impacts would remain for this scenario after the application of the identified feasible mitigation measures at two of the impacted study intersections.

- At these locations, residual impacts would remain after mitigation and the identified impacts would be significant and unavoidable.

Congestion Management Program and Caltrans Facility Impacts

The Proposed Project is not anticipated to cause a significant traffic impact at the nearby CMP arterial monitoring intersection at Alameda Street and State Route 91 Eastbound Ramps, based on the analyzed LOS values.

- A Caltrans facility impact analysis was conducted that included freeway mainline segments, and controlled freeway off-ramps.

- At three nearby freeway mainline segments, potentially significant impacts would occur per Caltrans standards due to the Proposed Project. As the Project would contribute additional volumes to LOS E and LOS F conditions, Project impacts on these segments were considered to be significant.

- The City of Compton would need to coordinate with Caltrans on final fair-share mitigation measures for the freeway mainline corridor that includes the analyzed segments. Potential improvements have not been identified for these segments, and future Caltrans improvements that would target these segments are not known. These impacts would therefore be significant and unavoidable.

- Based on an analysis of ramp queues and existing lengths, neither the Proposed Project nor the Alternative Scenario would create significant queuing impacts.

1. INTRODUCTION

The proposed City of Compton Hub city project is a Specific Plan centered on the existing Artesia Metro Blue Line light rail station. The Plan defines a Transit-Oriented Development (TOD) program with two proposed land use alternatives, focused on the Metro Blue Line light rail Artesia Station. KOA has been retained to analyze the potential traffic impacts associated with the proposed Project. The scope and methodologies used for this traffic study were developed in accordance with current traffic study policies of the City of Compton.

1.1 PROJECT DESCRIPTION

Each of the two proposed land use alternatives is composed of seven sub-areas. The land-use for the Proposed Project is composed of residential, retail, office, and, cultural land uses, while the land use in the Project Alternate Scenario is composed of retail, light industrial, cultural, and, office land uses. The Plan provides for development through the year 2040.

For the Proposed Project, industrial and commercial uses would be replaced over the 20-year Plan period with medium density residential focused mixed use, while the Alternate Scenario would replace some industrial and commercial uses over the same time-frame with lower-density residential and new commercial uses. The proposed Project area and sub-areas are illustrated on Figure 1.

Access to the Project area would be provided by existing roadways and intersections. The west side of the area, which is on the west side of the Metro Blue Line light rail corridor, would have access via Acacia Street as well as Artesia Boulevard (at a new roadway access point) at the southwest side of the site. The east side of the area, to the east of the Blue Line corridor, would have access via Artesia Boulevard on the south, Alameda Street to the east, and Greenleaf Boulevard to the north.

1.2 PROJECT STUDY AREA

The project study area, as defined through consultation with City staff, includes the following 11 study intersections:

1. Gateway Drive-Tamarind Avenue/ Greenleaf Boulevard
2. Alameda Street West/ Greenleaf Boulevard
3. Wilmington Avenue/ Walnut Street
4. Acacia Court/ Walnut Street
5. Alameda Street/ Town Center Drive
6. Alameda Street/ Auto Drive South
7. Alameda Street/ Artesia Boulevard
8. Acacia Court/ Artesia Boulevard
9. Artesia Boulevard/ Hotel Driveway
10. Artesia Connector & Alameda Street
11. SR-91 On/Off Ramps & Alameda Street

Figure 2 illustrates the locations of the study intersections.

Figure 1 – Area Plan

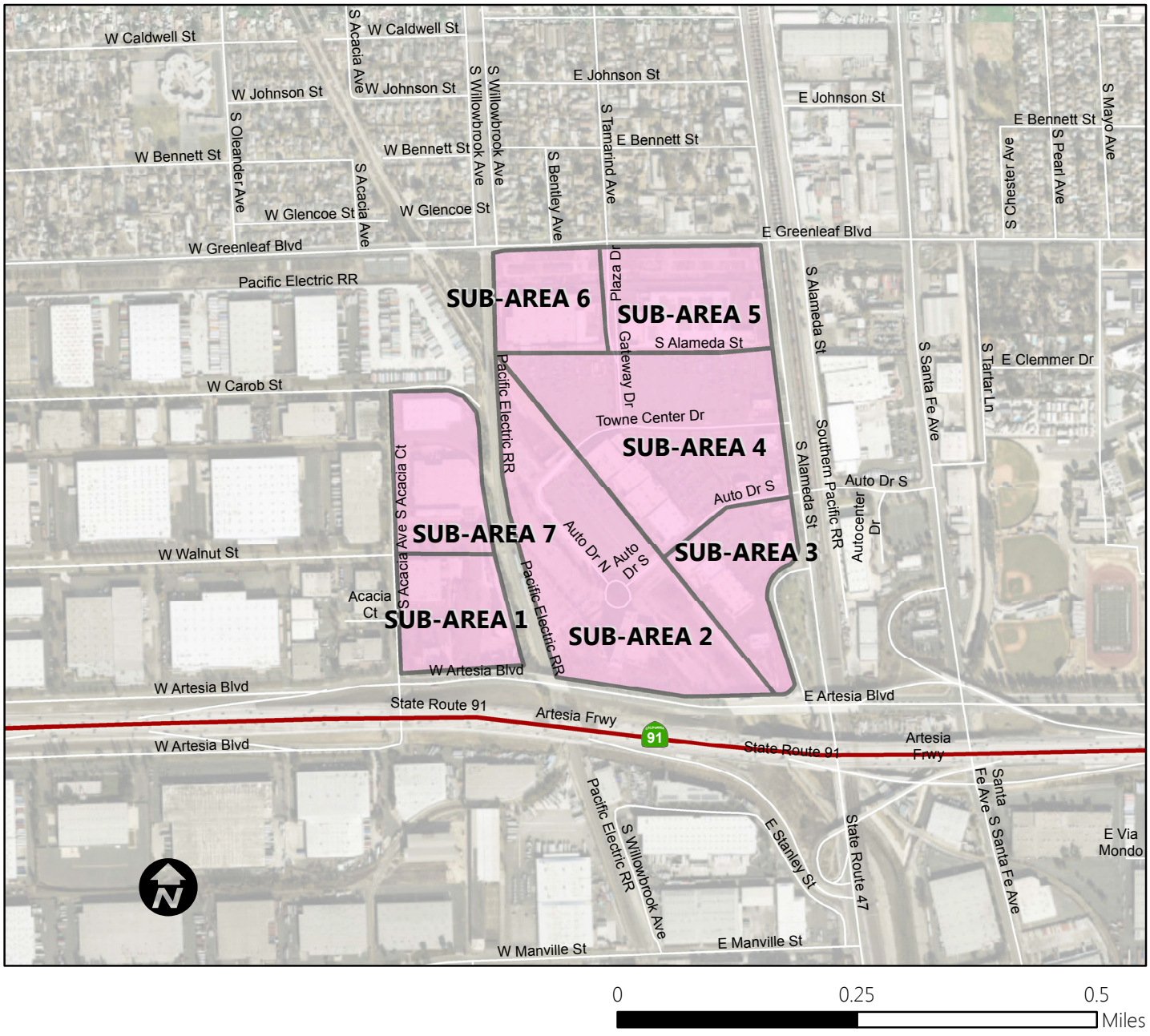
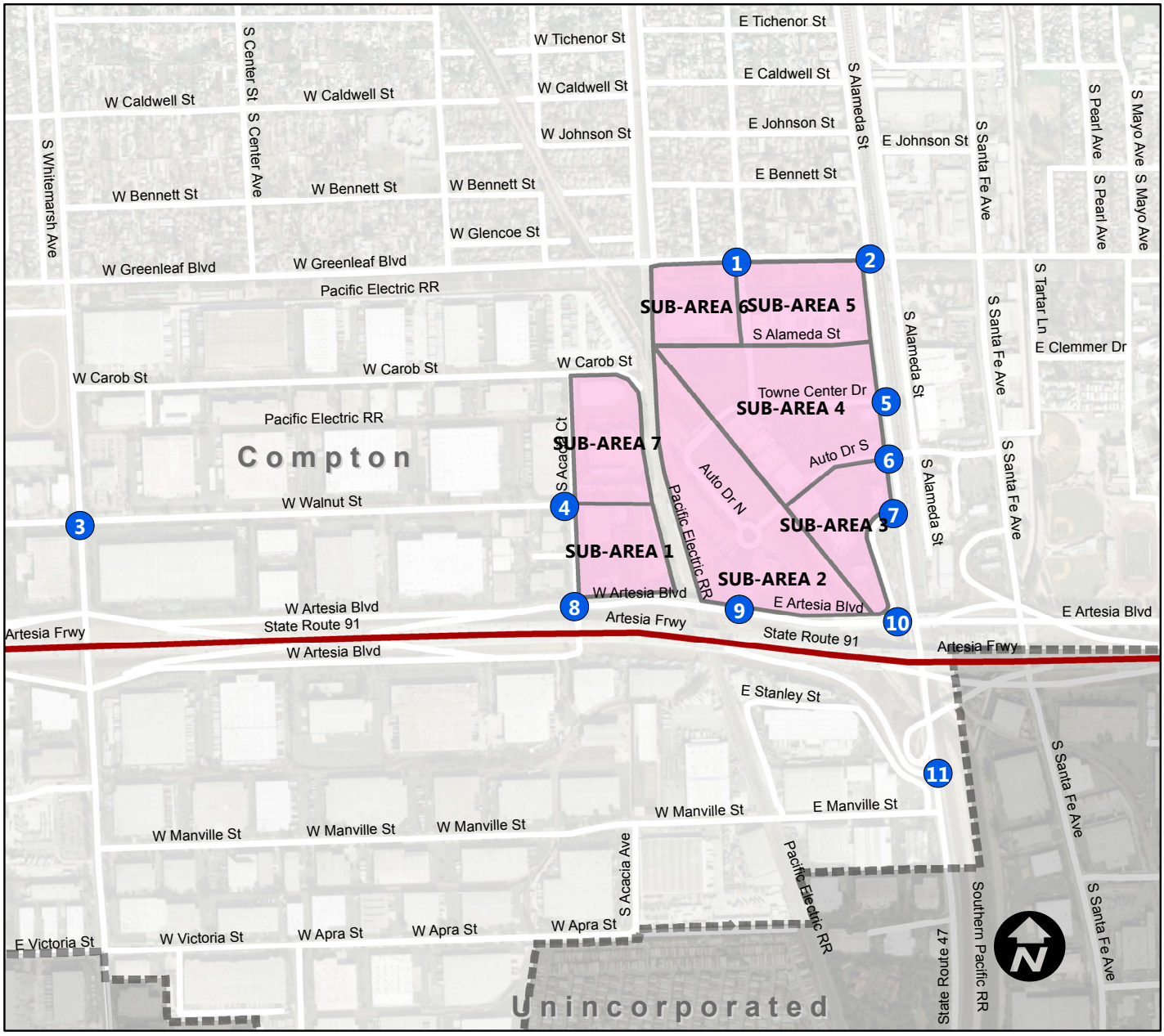


Figure 2 – Study Area Map



1.3 ANALYZED SCENARIOS

Traffic impacts associated with proposed and alternate scenarios of the Project were analyzed at the study intersections for the weekday a.m. and weekday p.m. peak-hour periods. The study included the analysis of the following traffic scenarios:

- Existing
- Existing with Project
- Future with Project and Cumulative projects

1.4 ANALYSIS METHODOLOGY

KOA coordinated with City of Compton staff as the first step in the traffic analysis, in order to define the study area and other major details. The following text describes the methodology applied in this report.

Existing Conditions

New traffic counts were conducted at the study intersections. The counts were used to determine existing traffic conditions. Fieldwork within the study area was undertaken to identify the condition of key study area roadways including traffic control and approach lane configuration at each study intersection, and on-street parking restrictions.

The existing level of service (LOS) at each of the study intersections is discussed in Section 2 of this report.

Project Trip Generation and Distribution

Project trip generation was based on land use intensities and trip rates defined by *Trip Generation, 10th Edition,* published by the Institute of Transportation Engineers (ITE). Internal trip capture rates, estimated transit use credits, and pass-by credits for commercial uses were included in the calculations. The trip generation and distribution calculations are discussed in Section 3 of this report.

Existing with-Project Conditions

Based on the projected Project traffic and the traffic count totals, an existing plus-Project conditions scenario was analyzed per California Environmental Quality Act (CEQA) precedents that state that project impacts should be analyzed against existing conditions. The level of service analysis for these conditions is discussed in Section 4 of this report.

Future Cumulative Conditions

SCAG *Regional Travel Demand Model* output indicated that traffic would decrease through the buildout year of 2040, with an average decline across the area roadways equal to 13.4 percent of existing baseline traffic volumes. Other data was reviewed to provide a realistic but non-zero growth estimate in traffic volumes for the area.

From data in the Regional Growth Forecast developed by SCAG, the higher growth between residential and employment growth for Compton was applied. The compounded growth rate through the analyzed buildout year was calculated to be 8.2 percent. This defined cumulative volumes including Project-generated trips.

Level of Service Methodology

The City of Compton accepts guidelines for traffic studies defined by the County of Los Angeles Department of Public Works.

For analysis of LOS at signalized intersections, the Intersection Capacity Utilization (ICU) methodology was applied. The concept of roadway level of service under the ICU methodology is calculated as the volume of vehicles that pass through the facility divided by the capacity of that facility. A 10% adjustment to the clearance and loss time factor based on the critical phases of the signalized control was included in the traffic analysis. A facility is "at capacity" (ICU value of 1.00 or greater) when extreme congestion occurs. This value is a function of hourly volumes, signal phasing, and approach lane configuration on each leg of the intersection.

For study intersection 4, which is two-way stop-controlled, LOS was analyzed based on the Highway Capacity Manual (HCM) unsignalized intersection methodology. This method calculates roadway level of service based on intersection delay, defined as the worst-case approach delay experienced by users of the intersection who must stop or yield to free-flow through traffic. The method uses a "gap acceptance" technique to predict driver delay.

A facility with LOS A indicates excellent operating conditions with little delay to motorists, whereas LOS F represents congested conditions with excessive vehicle delay.

Table 1 defines the level of service criteria applied to the unsignalized and signalized study intersections.

Table 1 – All-Way and Partial Stop-Controlled (HCM)
Intersection Level of Service Definitions

Level of Service	Definition	Signalized: Volume to Capacity Ratio	Un-signalized: Average Control Delay (seconds/vehicle)
A	Excellent Operation. Free-flow Speeds prevail. Vehicles are almost unimpeded in their ability to maneuver within the traffic stream.	0 - .600	≤10
B	Very good operation. Reasonably free-flow speeds are maintained. The ability to maneuver within traffic is only slightly restricted.	.601 to .700	>10 to 15
C	Good operation. Flow with speeds at or near free-flow speed of the roadway. Freedom to maneuver within the traffic stream is noticeably restricted and lane changes require more care and vigilance on the part of the driver.	.701-.800	>15 to 25
D	Fair operation. Speeds begin to decline sightly with increasing flows. In this range, desnity begins to increase somewhat more quickly with increasing flow. Freedom to maneuver within the traffic stream is noticeably limited.	.801-.900	>25 to 35
E	Poor operation. Operation at capacity with no usable gaps in the traffic stream. Any disruption to the traffic stream has little or no room to dissipate.	.901-1.000	>35 to 50
F	Forced Flow. Represents jammed conditions. Backups from locations downstream or on the cross street may restrict or prevent movements of vehicles out of the intersection approach lanes: Therefore, volumes carried are not predictable. Potential for stop-and-go type traffic flow.	>1.000	> 50

Source: Highway Capacity Manual, Special Report 209, Transportation Research Board, Washington D.C., 2000 and Interim Manuals on Highway Capacity, NCHRP Circular 2012, 1982.

Significant Traffic Impacts

Significant impacts of a proposed Project at an intersection must be mitigated to a level of insignificance, where feasible. Determination of potential significant traffic impacts due to the proposed Project is discussed in Section 7 of this report.

2. EXISTING CONDITIONS

This section describes the existing conditions within the study area in terms of roadway facilities, transit service and traffic operating conditions.

2.1 EXISTING ROADWAY SYSTEM

The key roadway facilities within the study area are described here. The discussion is limited to specific roadways that traverse the study intersections and serve the Project site. Figure 3 illustrates the existing traffic controls and approach lane geometries at the study intersections.

Freeway

State Route 91 (Artesia Freeway) provides regional access between the beach cities on the west and Riverside County on the east. Local access interchanges in the local area include Wilmington Avenue, Acacia Avenue (via nearby ramps and Artesia Boulevard frontage roads), and Alameda Street. The freeway has four general-purpose lanes in each direction of travel, and has a high occupancy vehicle (HOV) lane in both directions.

Major Highways

Major Highways within the project area include the following north-south roadways, from west to east: Wilmington Avenue, Alameda Street, and Santa Fe Avenue.

Wilmington Avenue - This four-lane roadway runs north-south from the city's northern boundary north of El Segundo Boulevard to the southern boundary south of the Artesia Freeway. Parking is permitted along most of the roadway. The right-of-way width varies as follows: northern boundary to Alondra Boulevard, (100 feet); Alondra Boulevard, to Raymond, (95 feet); Raymond to Greenleaf, (65 feet); and Greenleaf to the City's southern boundary, (100 feet). Average daily vehicle volumes in the project area range from 24,068 to 27,472.

Alameda Street – This roadway runs adjacent to the Alameda Corridor grade-separated railroad trench. The roadway on the west side of the Corridor is the major roadway and has a width of 65 feet and provides four travel lanes. Average daily vehicle volumes in the project area range from 21,816 to 22,857. A secondary roadway is located on the east side of the Corridor, and provides frontage road access.

Santa Fe Avenue - This roadway has a width of 100 feet and provides four travel lanes. Average daily vehicle volumes in the project area range from 22,125 to 25,396.

No east-west Major Highways exist within the project area.

Secondary Highways

Secondary Highways within the project area include the following east-west roadways, from north to south: Greenleaf Boulevard, and Artesia Boulevard.

Greenleaf Boulevard - This two-lane roadway has a right-of-way width of 60-feet. This roadway extends east-west from Central Avenue on the west to Atlantic Drive (a branch of Atlantic Boulevard) on the east. West of Willowbrook Avenue, the roadway is an undivided roadway with limited access from local streets.

Average daily vehicle volumes in the project area range from 7,861 to 14,230.

Artesia Boulevard - The portion of this roadway between Acacia Avenue and Santa Fe Avenue has a right-of-way width of 100 feet and provides four travel lanes. To the west of Acacia Avenue, the roadway has one-way westbound operations and has a right-of-way of 35 to 55 feet and provides two travel lanes. Average daily vehicle volumes in the project area range from 6,138 (one-way segment) to 27,831 (two-way segment. The eastbound portion of the roadway, on the south side of the freeway, has a right-of-way of 35 feet and also provides two travel lanes. Average daily vehicle volumes in the project area on this eastbound segment total 5,452.

Collector Roadways

The Collector Streets within the project area have a north-to-south orientation, and include Willowbrook Avenue and Alameda Street (east). These roadways are described in greater detail below.

Willowbrook Avenue: This roadway is separated by the Metro Blue Line, and has two parallel corridors within the same name. The roadway width is 65 feet and has two travel lanes, and this is the same for both corridors. Average daily vehicle volumes in the project area range from 2,201 (east side) to 3,321 (west side).

Alameda Street (East): This roadway on the east side of the Alameda Corridor is 65 feet wide and has two travel lanes. Average daily vehicle volumes in the project area range from 1,027 to 3,643.

Local Roadways

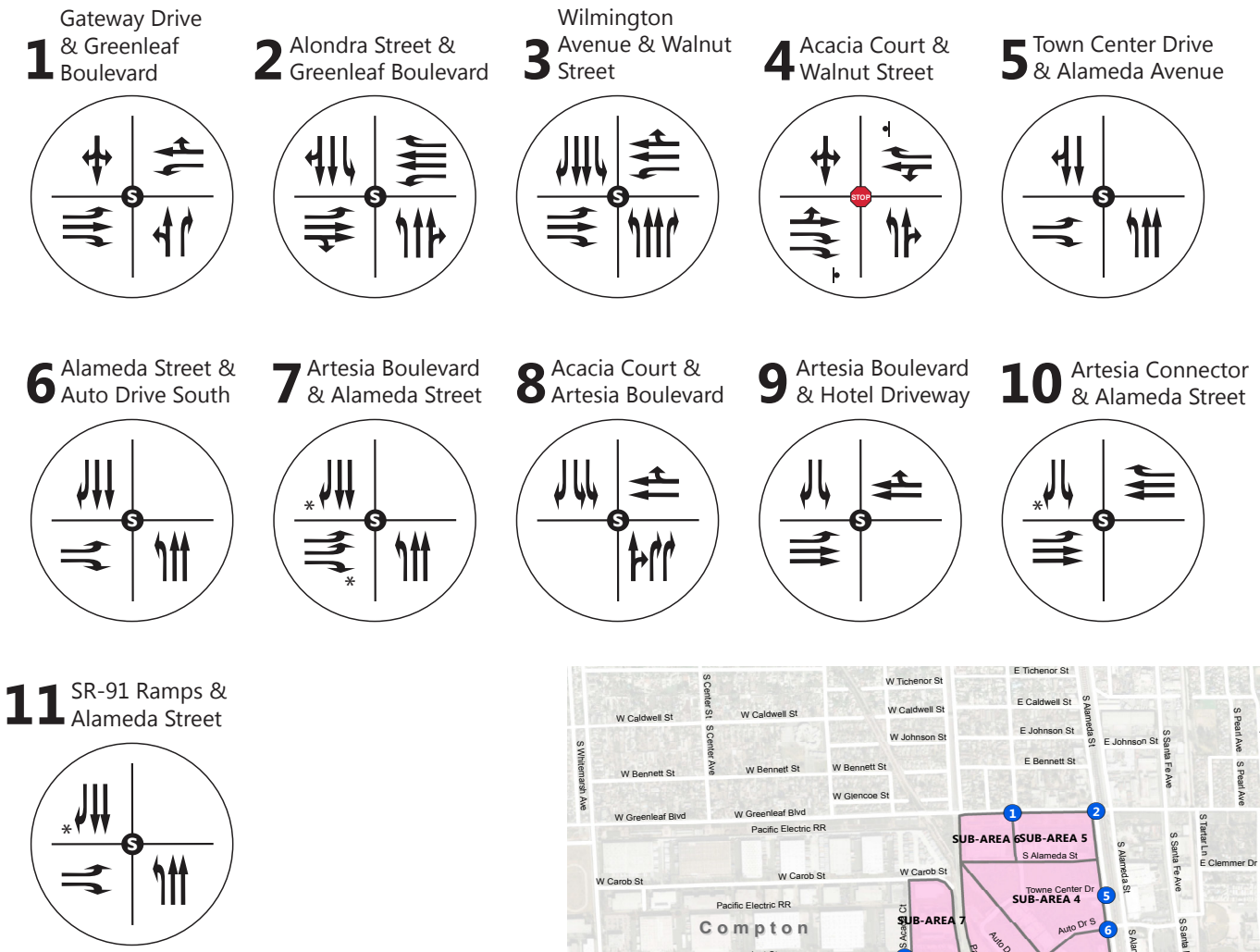
The local roadways within the project area connect neighborhood land uses to collectors and highways. These roadways are described in greater detail below.

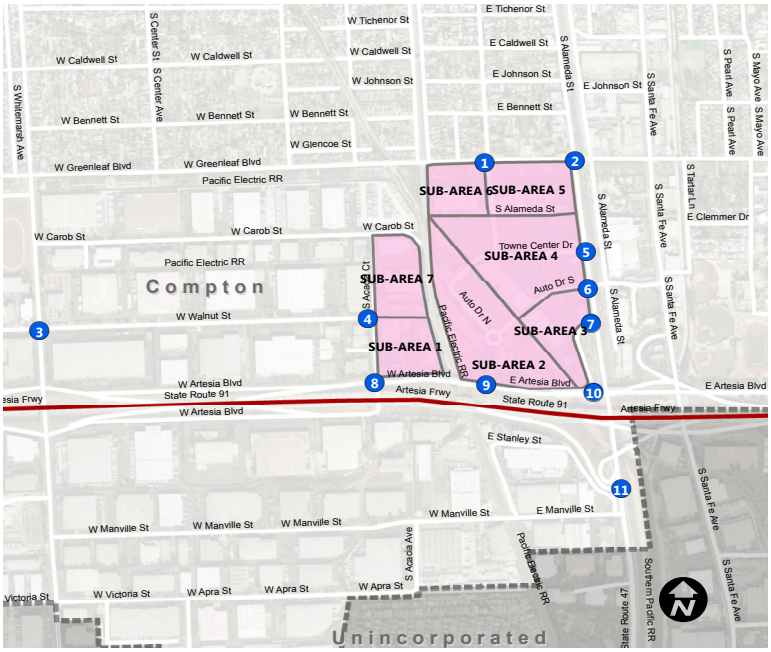
Glencoe Street: This local residential east-west roadway is at the north end of the study area, and is a discontinuous roadway located between Oleander Avenue and Willowbrook Avenue. The roadway width is approximately 30 feet and it has two travel lanes and on-street parking without a striped centerline.

Carob Street: This local industrial east-west roadway has a western terminus at Wilmington Avenue and an eastern terminus at the railroad/Blue Line corridor. The roadway width is approximately 40 feet and has two travel lanes and on-street parking without a striped centerline.

Walnut Street: This local east-west roadway, serving industrial uses within the project area, spans the western side of the City, transitioning into the City of Carson and a residential neighborhood to the west of Avalon Boulevard. The roadway width is approximately 65 feet and has four travel lanes and a two-way center left-turn lane. Between Central Avenue and its eastern terminus at Acacia Court, there are raised median islands spaced at set distances, with the center left-turn lane present between them.

Figure E istin Lane on ration





Manville Street: This local industrial east-west roadway has a western terminus at Wilmington Avenue and an eastern terminus at Alameda Street. The roadway width is approximately 65 feet and it has four travel lanes. A two-way left turn lane is provided in the center of the roadway west of Acacia Avenue. On-street parking is generally prohibited.

Acacia Court: This local north-south industrial roadway has a northern terminus at Carob Street and a southern terminus at Artesia Boulevard. Acacia Court connects via a freeway underpass the north and south segments of Artesia Boulevard that serve as frontage roads to the SR-91 freeway. The roadway width is approximately 40 feet and it has two travel lanes and a striped centerline, although there is a short segment with two northbound lanes near Artesia Boulevard. On-street parking is generally prohibited.

Acacia Avenue: This local north-south industrial roadway has a northern terminus at Manville Street and a southern terminus at Apra Street. The roadway width is approximately 50 feet and it has two travel lanes. On-street parking is generally prohibited.

Stanley Street: This local east-west and north-south industrial roadway has a southern terminus at Manville Street, immediately west of Alameda Street. It is a dead-end roadway. The roadway width is approximately 35 feet and it has two travel lanes. On-street parking is generally permitted.

2.2 EXISTING TRANSIT SERVICE

The project area is served by rail and bus public transit provided by the City of Compton Renaissance Transit System, The Los Angeles County Metropolitan Transportation Authority (Metro), Long Beach Transit, and Torrance Transit.

Compton Renaissance Transit System

Three lines of this five-line fixed-route bus system serve the project area. Each line operates in a loop pattern, on a Monday to Saturday service schedule:

- Route 2 – Provides service on Alameda Street and Santa Fe Avenue, between Greenleaf Blvd. and Artesia Boulevard, on its route between Compton Blvd. on the north and Central Avenue on the west.
- Route 4 – Provides service on Greenleaf Blvd. from Santa Fe Avenue eastward beyond the project area, on its route between Compton Blvd on the north, Willowbrook Avenue on the west, and San Jose Avenue on the east.
- Route 5 – Provides service on Artesia Boulevard (north side of freeway) to the east of Willowbrook Avenue.

Metro Blue Line

- This north-south light rail line provides daily regional transit service between downtown Los Angeles on the north and Long Beach on the south. The Artesia Station is located to the east of

the Acacia Street/Walnut Street intersection.

Metro Rapid

- Line 762 runs between Old Pasadena and the Artesia Station on weekdays only between 5:10 A.M. and 8:03 .P.M. During peak hours bus service runs every 25 to 30 minutes.

Metro Local

- Route 202- This bus line operates almost entirely around the project site between Willowbrook/Rosa Parks Station and Artesia Station via Greenleaf Blvd, Alameda St, Artesia Blvd, and Acacia St.
- Route 60- Provides service from the Artesia Station and runs between Downtown Los Angeles and Downtown Long Beach
- Route 130- Operates between Los Cerritos Center and Redondo Beach with bus access on Artesia Station.
- Route 205- Provides access on Artesia Station and runs from Willowbrook/ Rosa Parks Station to San Pedro.
- Route 260- Provides services between the city of Altadena at the northern terminus to Artesia Station at the southern terminus via Atlantic Boulevard and Artesia Boulevard.

Long Beach Transit

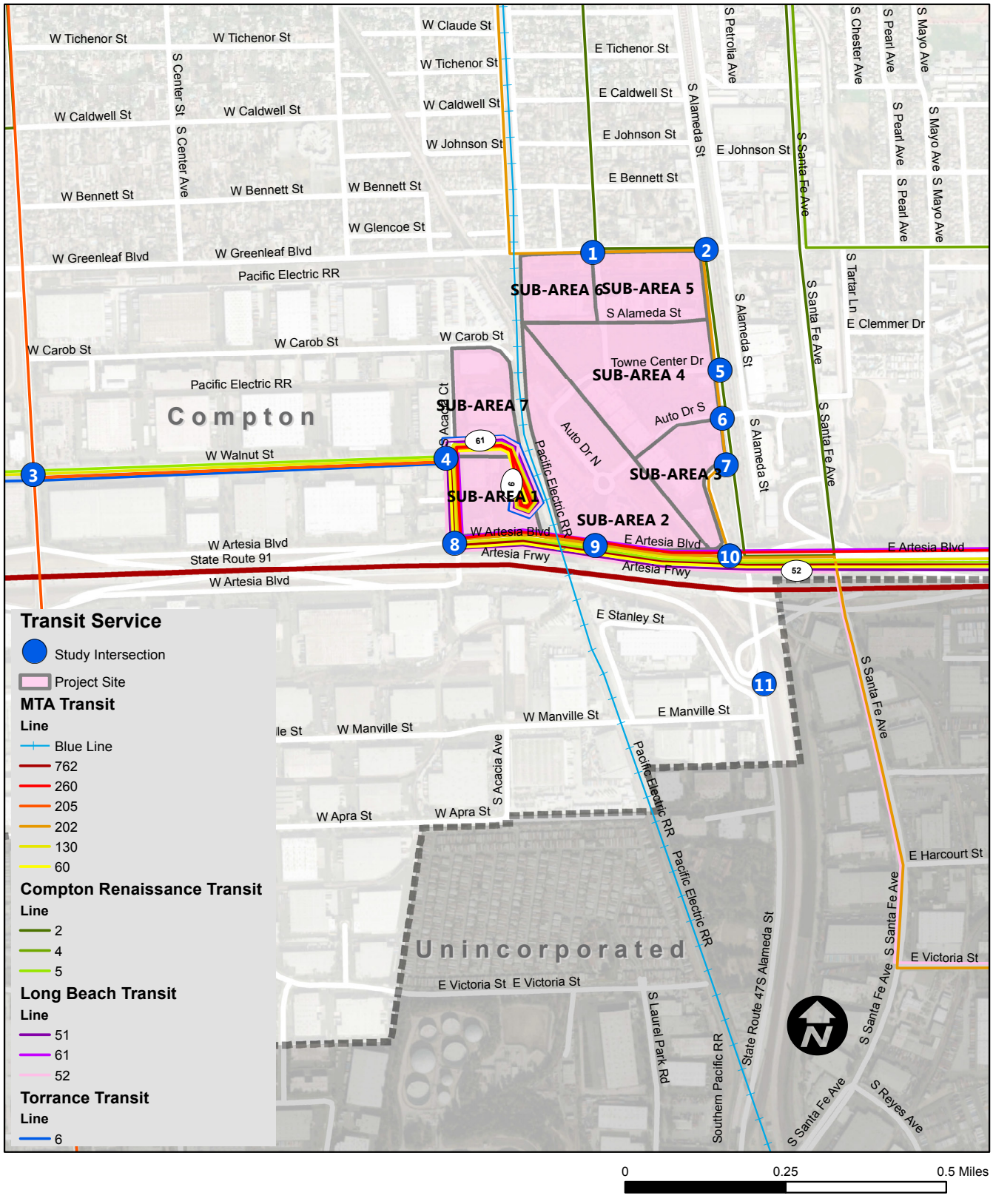
- Line 61- provides daily service from the Artesia Blue Line station at its northern terminus to Artesia Boulevard and Atlantic Avenue to the east, to downtown Long Beach at its southern terminus.
- Line 51- operates daily between 5:10 A.M. to 11:35 .P.M. between the Artesia Station and downtown Long Beach along Acacia Street and Artesia Boulevard.
- Line 52- operates weekdays between 6:12 A.M. and 5:45 P.M. with access at the Artesia Station and terminates in downtown Long Beach.

Torrance Transit

- Line 6 provides weekday service from the Artesia Blue Line station at its eastern terminus to the Del Amo Fashion Center at its western terminus.

Figure 4A illustrates the public transit lines in the study area.

Figure A Existing Transit Services



2.3 EXISTING STUDY INTERSECTION OPERATIONS

Vehicle turning movement counts were collected at the study intersections on Thursday, June 6th 2019 from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m. Existing weekday a.m. peak-hour and p.m. peak-hour traffic turn movement volume count summaries are provided in Appendix A of this report.

Based on the intersection lane configurations and the existing traffic volumes, volume-to-capacity ratios and average delay values and corresponding levels of service (LOS) were determined for each of the study intersections during the weekday a.m. and p.m. peak hours.

Some of the study intersections have channelized right turn lanes, where traffic for those movements does not stop at the traffic signal and then enters an acceleration/merge lane past the intersection. These volumes, since they are not controlled and do not conflict with other movements, were removed from the analysis.

Table 2 summarizes the volume-to-capacity ratios and LOS values for existing traffic conditions.

Table 2 – Study Intersection Existing Conditions

Study Intersections		AM Peak		PM Peak	
		V/C or Delay	LOS	V/C or Delay	LOS
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	0.534	A	0.797	C
2	Alameda St West & Greenleaf Blvd	0.566	A	0.730	C
3	Wilmington Ave & Walnut St	0.539	A	0.880	D
4	Acacia Court & Walnut St*	14.1	B	23.8	C
5	Alameda St & Town Center Dr	0.479	A	0.490	A
6	Alameda St & Auto Dr South	0.605	B	0.682	B
7	Alameda St & Artesia Blvd Connector	0.632	B	0.555	A
8	Acacia Court & Artesia Blvd	0.599	A	0.943	**E**
9	Artesia Blvd & Hotel Dwy	0.559	A	0.688	B
10	Artesia Blvd Connector & Alameda St	0.519	A	0.764	C
11	SR-91 On/Off Ramps & Alameda St	0.568	A	0.562	A

LOS = Level of Service; V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

Ten of the 11 study intersections currently operate at LOS D or better during the weekday a.m. and p.m. peak hours. The intersection of Acacia Court and Artesia Boulevard operates at LOS E during the p.m. peak period.

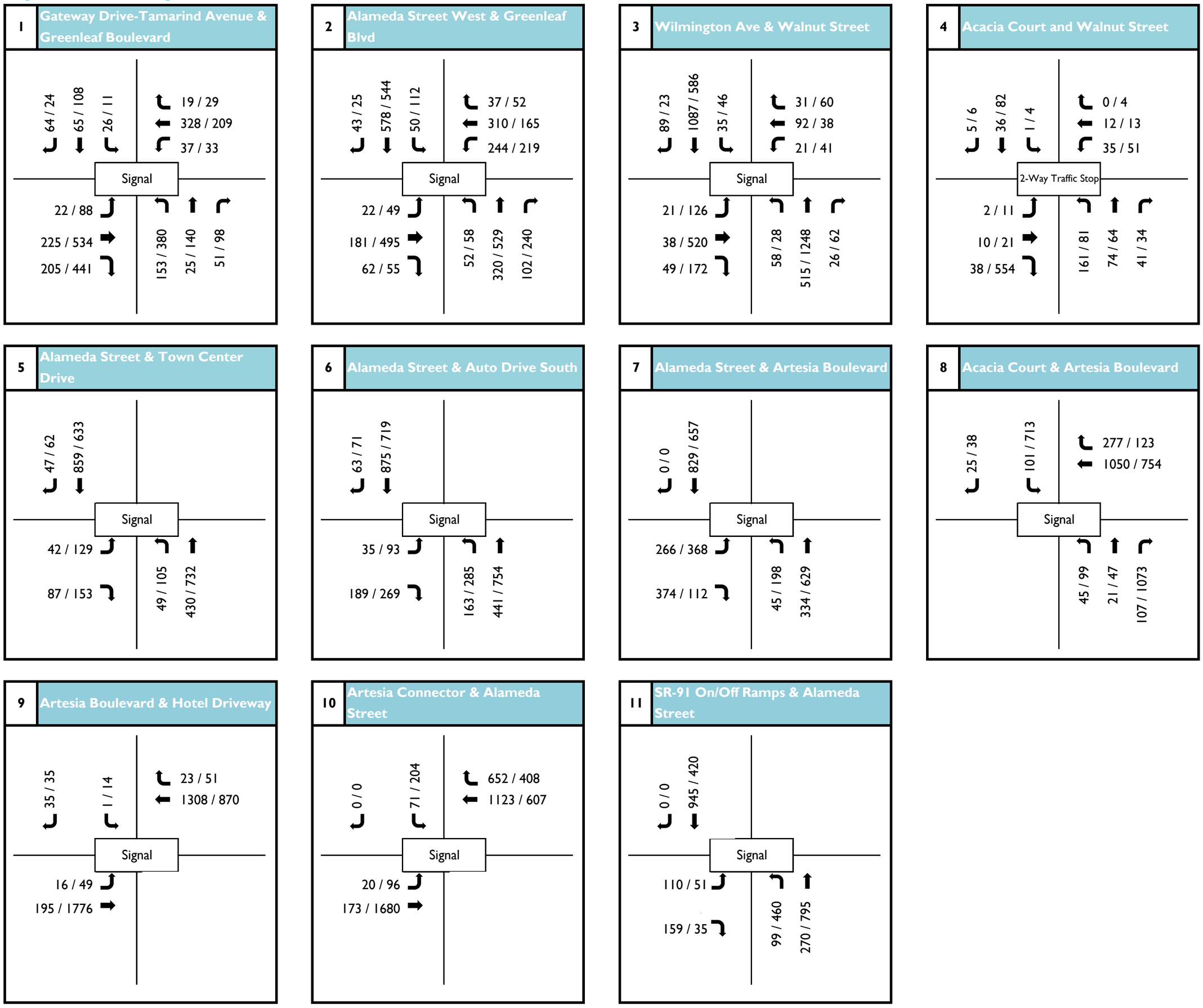
The existing study intersection traffic controls and approach lane configurations are illustrated on Figure 3, and the traffic volumes for the weekday a.m. and p.m. peak hours are illustrated on Figure 4B. The existing traffic analysis scenario worksheets are provided in Appendix B.

2.4 EXISTING DEVELOPMENT

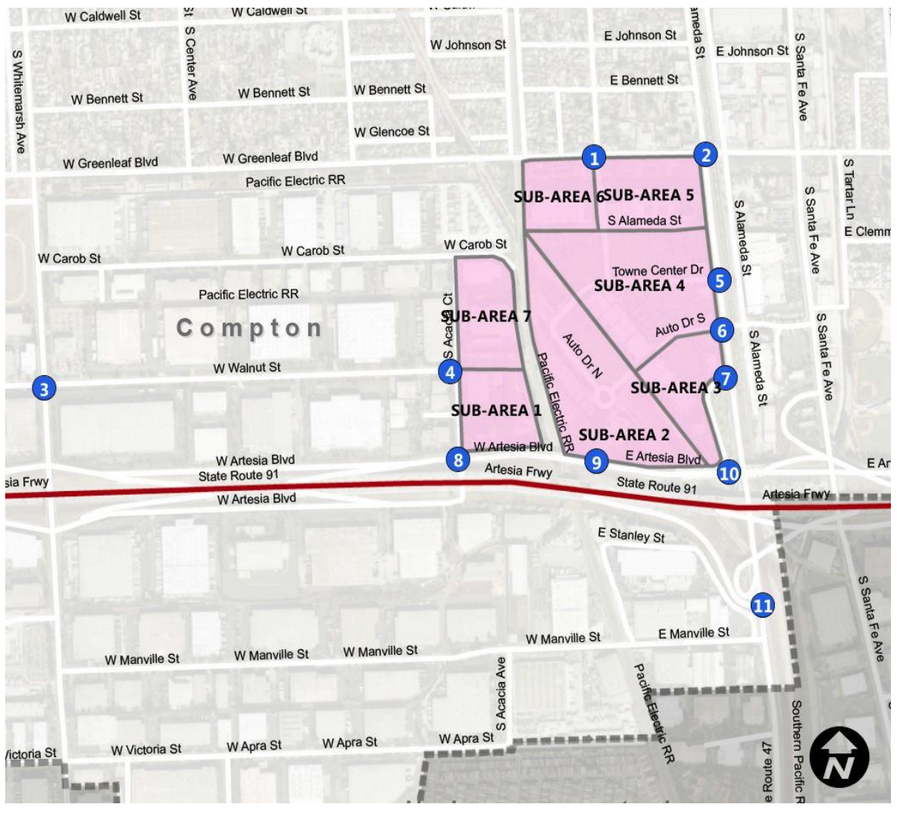
The project site is currently developed with a mixture of light industrial, retail, hotel/entertainment and institutional uses. The Blue Line light rail corridor divides the site into two sections. The section west of the corridor hosts several light industrial facilities and the "Word of Faith" Church. The section east of the corridor contains the Gateway Towne Center shopping center and the Crystal Casino, a gambling facility with an on-site hotel. The intensity and trip generation of existing uses are provided in Table 6 within the next report section.

The Crystal Casino and hotel was excluded from the existing trip generation analysis, as that use will be replaced within the proposed Project area, at an equal or lesser size.

Figure - Existing AM/PM Peak Hour Traffic Volumes



XX/XX AM /PM Peak Hour Traffic Volumes



3. PROJECT TRAFFIC

This section defines the traffic that would be generated by the proposed Project in a three-step process including trip generation, trip distribution and trip assignment. Trip generation totals were defined for the two Project land use alternatives.

3.1 PROJECT TRIP GENERATION

Primary Alternative

The proposed land uses for the Proposed Project would include mid-rise multifamily housing, retail shopping centers, general office space, as well as cultural land uses (analyzed as potential church, museum, community center and, city park uses). The total intensities analyzed are summarized in Table 3.

Table 3 – Proposed Land-Use

	Mid-rise Multifamily Housing (DU)	Shopping Center (KSF)	General Office (KSF)	Cultural Uses (KSF)	Light Industrial (KSF)
Sub-Area 1	660	3.753	76.462		
Sub-Area 2	1288	70.595		129.0	
Sub-Area 3	459	22.972	22.972		
Sub-Area 4	526	26.296	26.296		
Sub-Area 5	749	37.442	37.442		
Sub-Area 6	530	26.494	26.494		
Sub-Area 7	590	29.552	29.552		
TOTAL	4802	217.104	219.218	129.0	0

Secondary Alternative

The proposed land uses in the Secondary Alternative would include mid-rise multifamily housing, retail shopping centers, general office space, light-industrial space, and would also include cultural land uses (analyzed in a similar manner as the Proposed Project). The total intensities analyzed for this alternative are summarized in Table 4.

Table 4 – Proposed Land-Use

	Mid-rise Multifamily Housing (DU)	Shopping Center (KSF)	General Office (KSF)	Cultural Uses (KSF)	Light Industrial (KSF)
Sub-Area 1		5.000			75.0
Sub-Area 2	515	20.612	25.765	129.0	
Sub-Area 3	209	8.353	10.442		
Sub-Area 4	263	10.518	13.148		
Sub-Area 5	374	14.977	18.721		
Sub-Area 6	265	10.597	13.247		
Sub-Area 7		5.000			75.0
TOTAL	1626	75.057	81.323	129.0	150.0

The trip generation of the project was calculated using nationally-accepted rates defined by *Trip Generation Manual (10th edition)*, published by the Institute of Transportation Engineers (ITE).

Proposed land uses for each Sub-Area were factored downward by applying the following adjustments:

- An internal capture trip reduction for trips that are estimated to take place between uses within the Project area and to not require use of the outside roadway network – defined by the National Cooperative Highway Research Program (NCHRP) document *Report 684 - Enhancing Internal Trip*

Capture Estimation for Mixed-Use Developments, and worksheets from the same source, incorporated by reference into the *Trip Generation Manual*.

- Transit use credits for trips that are estimated to be on public bus or rail transit lines – Defined by an average of survey data from TOD projects, including two in California, titled *Trip and Parking Generation at Transit-Oriented Developments: Five US Case Studies (Ewing, et. al.)*, and published by the University of Utah.
- A shopping center use PM pass-by credit for trips estimated to already be on the area roadway network, including a new mid-point diversion to the Project commercial uses. A rate of 34% was applied, defined by an average rate from surveys conducted for the *Trip Generation Manual*. The diverted volumes were added back to the roadway network, for turns into and out of the Project sub-areas.

Trips from existing land uses in each sub-area were also adjusted by the same transit credits and PM pass-by credits.

Existing land use floor areas were inventoried, including 502,000 square feet for the retail and restaurant uses within the Gateway Center on the east side for the Project area. The existing industrial properties and church use within the west side of the Project area were also inventoried. The net total trip generation for the existing land uses is provided in Table 5. These totals were then subtracted from the proposed Project and Alternate Scenario total trips to define the analyzed total for each sub-area.

The existing commercial uses in sub-areas 4 through 6 generate more trips per unit of intensity than the residential and office uses proposed as part of the Proposed Project. This also occurs for sub-areas 3 through 7 for the Alternate Scenario. When calculating Level of Service, sub areas with negative trip generation figures were evaluated as producing no new trips, to provide a conservative analysis.

The Crystal Casino was excluded from the existing trip generation analysis, as that use will be replaced within the proposed Project area, at an equal or lesser size.

The Project trip generation calculations are provided in Table 6 for the Proposed Project and in Table 7 for the Alternate Scenario. The calculations for the proposed Project uses incorporated into Tables 6 and 7 are provided in Appendix C1 and Appendix C2. The NCHRP worksheets for internal trip capture are provided in Appendix D1 and Appendix D2.

The Proposed Project would generate 11,894 daily trips, including 1,064 vehicle trips during the a.m. peak hour (282 inbound trips and 782 outbound trips) and 872 vehicle trips during the p.m. peak hour (550 inbound trips and 322 outbound trips).

The Alternate Scenario is expected to generate 191 vehicle trips during the a.m. peak hour (-2 inbound trips and 193 outbound trips) and a net negative total of 186 vehicle trips during the p.m. peak hour (-59 inbound trips and -127 outbound trips). The traffic analysis assumed that there would be no net project-generated traffic for those sub-areas with net negative trips. The eastern sub-areas, however, would generate a net total of 203 vehicle trips during the a.m. peak hour and the western sub-areas would generate a net total of 25 trips during the p.m. peak hour. Negative totals were analyzed as zero net trips.

Table 5 –Vehicle Trip Generation for Existing Uses

Land Use	Intensity	Units	Daily Total	AM Peak			PM Peak		
				Total	In	Out	Total	In	Out
Shopping Center (ITE 820)	-	k.s.f	37.75	0.94	62%	38%	3.81	48%	52%
Church (ITE 560)	-	k.s.f	6.95	0.33	60%	40%	0.49	45%	55%
Light Industrial (ITE 150)$_1$	-	d.u.	4.96	0.70	88%	12%	0.63	13%	87%
SUB AREA-1 Trip Generation									
Church (ITE 560)	11.675	k.s.f	81	4	2	2	6	3	3
Light Industrial (ITE 150)1	41.89	k.s.f	208	29	26	3	26	3	23
Sub Area-1 Total			**289**	**33**	**28**	**5**	**32**	**6**	**26**
SUB AREA-2 Trip Generation									
Existing casino and hotel uses within this sub-area would be replaced within the project area, so calculations were not made for these uses.									
Sub Area-2 Total			**0**	**0**	**0**	**0**	**0**	**0**	**0**
SUB AREA-3 Trip Generation									
Shopping Center (ITE 820)	75.3	k.s.f	2843	71	44	27	287	138	149
Sub Area-3 Total			**2843**	**71**	**44**	**27**	**287**	**138**	**149**
SUB AREA-4 Trip Generation									
Shopping Center (ITE 820)	130.52	k.s.f	4927	123	76	47	497	239	258
Sub Area-4 Total			**4927**	**123**	**76**	**47**	**497**	**239**	**258**
SUB AREA-5 Trip Generation									
Shopping Center (ITE 820)	160.64	k.s.f	6064	151	94	57	612	294	318
Sub Area-5 Total			**6064**	**151**	**94**	**57**	**612**	**294**	**318**
SUB AREA-6 Trip Generation									
Shopping Center (ITE 820)	135.54	k.s.f	5117	127	79	48	516	248	268
Sub Area-6 Total			**5117**	**127**	**79**	**48**	**516**	**248**	**268**
SUB AREA-7 Trip Generation									
Light Industrial (ITE 150)1	143.68	k.s.f	713	101	89	12	91	12	79
Sub Area-7 Total			**713**	**101**	**89**	**12**	**91**	**12**	**79**
Total Existing Use Trip Generation			*19953*	*606*	*410*	*196*	*2035*	*937*	*1098*

Table 6 – Project Vehicle Trip Generation for the Proposed Project

Land Use	Daily Total	AM Peak			PM Peak		
		Total	In	Out	Total	In	Out
SUB AREA-1 Trip							
Sub-Area 1 Net Total	2917	212	90	122	244	124	121
Existing Sub Area-1 Total	183	22	18	3	14	3	11
Sub Area-1 Net Total	**2734**	**190**	**72**	**119**	**230**	**121**	**110**
SUB AREA-2 Trip							
Sub-Area 2 Net Total	7,420	418	156	262	509	284	220
Zone 2: Not included in Existing Conditions							
Sub Area-2 Net Total	**7,420**	**418**	**156**	**262**	**509**	**284**	**220**
SUB AREA-3 Trip							
Sub-Area 3 Net Total	2,288	134	49	85	162	88	74
Existing Sub Area-3 Total	1,806	47	29	18	125	60	65
Sub Area-3 Net Total	**481**	**87**	**20**	**67**	**37**	**28**	**9**
SUB AREA-4 Trip							
Sub-Area 4 Net Total	2,623	155	57	97	185	101	84
Existing Sub Area-4 Total	3,131	81	50	31	216	104	112
Sub Area-4 Net Total	**-508**	**74**	**7**	**66**	**-31**	**-3**	**-28**
SUB AREA-5 Trip							
Sub-Area 5 Net Total	3,734	218	80	138	264	144	120
Existing Sub Area-5 Total	3,853	99	62	38	266	128	138
Sub Area-4 Net Total	**-120**	**119**	**18**	**100**	**-2**	**16**	**-18**
SUB AREA-6 Trip							
Sub-Area 6 Net Total	2,643	155	57	98	187	102	85
Existing Sub Area-6 Total	3,252	84	52	32	224	108	116
Sub Area-4 Net Total	**-608**	**71**	**5**	**66**	**-37**	**-6**	**-31**
SUB AREA-7 Trip							
Sub-Area 7 Net Total	2,944	172	63	110	209	115	94
Existing Sub Area-7 Total	449	66	59	8	40	5	34
Sub Area-4 Net Total	**2,495**	**106**	**4**	**102**	**169**	**110**	**60**
Total Existing Use Trip Generation	*11,894*	*1064*	*282*	*782*	*872*	*550*	*322*

Table 7 – Project Vehicle Trip Generation for the Alternate Scenario

Land Use	Daily Total	AM Peak			PM Peak		
		Total	In	Out	Total	In	Out
SUB AREA-1 Trip							
Sub-Area 1 Net Total	365	38	33	5	39	8	31
Existing Sub Area-1 Total	183	22	18	3	14	3	11
Sub Area-1 Net Total	**182**	**16**	**15**	**2**	**25**	**5**	**20**
SUB AREA-2 Trip							
Sub-Area 2 Net Total	3,259	198	88	110	234	122	112
Zone 2: Not included in Existing Conditions							
Sub Area-2 Net Total	**3,259**	**198**	**88**	**110**	**234**	**122**	**112**
SUB AREA-3 Trip							
Sub-Area 3 Net Total	994	59	21	38	73	40	33
Existing Sub Area-3 Total	1,806	47	29	18	125	60	65
Sub Area-3 Net Total	**-812**	**12**	**-8**	**20**	**-52**	**-20**	**-32**
SUB AREA-4 Trip							
Sub-Area 4 Net Total	1,252	74	27	48	92	50	42
Existing Sub Area-4 Total	3,131	81	50	31	216	104	112
Sub Area-4 Net Total	**-1,879**	**-7**	**-23**	**17**	**-124**	**-54**	**-70**
SUB AREA-5 Trip							
Sub-Area 5 Net Total	1,782	108	39	69	129	71	58
Existing Sub Area-5 Total	3,853	99	62	38	266	128	138
Sub Area-4 Net Total	**-2,071**	**9**	**-23**	**31**	**-137**	**-57**	**-80**
SUB AREA-6 Trip							
Sub-Area 6 Net Total	1,262	74	27	48	92	50	42
Existing Sub Area-6 Total	3,252	84	52	32	224	108	116
Sub Area-4 Net Total	**-1,990**	**-10**	**-25**	**16**	**-132**	**-58**	**-74**
SUB AREA-7 Trip							
Sub-Area 7 Net Total	561	38	33	5	39	8	31
Existing Sub Area-7 Total	449	66	59	8	40	5	34
Sub Area-4 Net Total	**112**	**-28**	**-26**	**-3**	**-1**	**3**	**-3**
Total Secondary Alternative Trip Generation	*-3199*	*191*	*-2*	*193*	*-186*	*-59*	*-127*

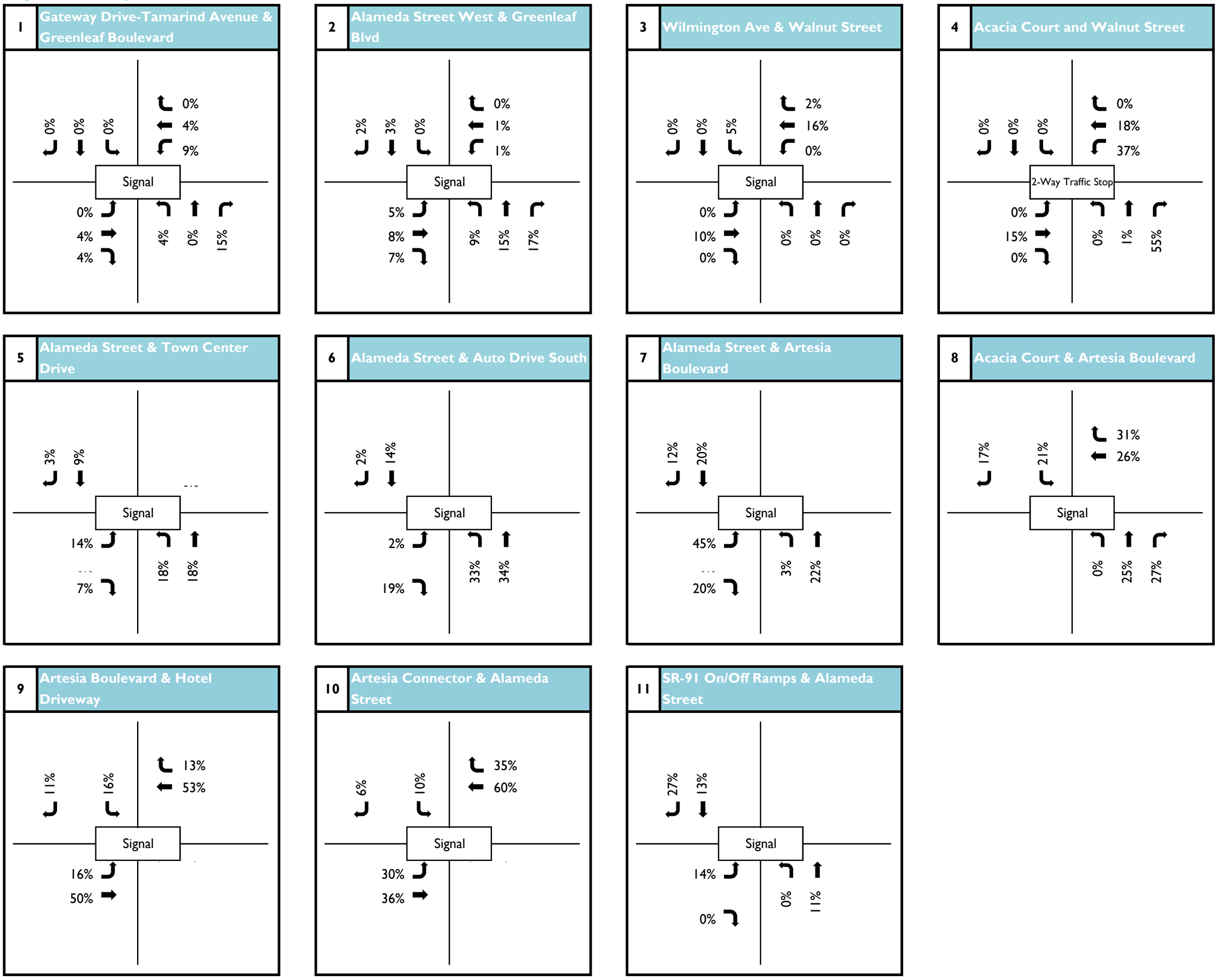
3.2 PROJECT TRIP DISTRIBUTION

Trip distribution is the process of assigning the directions from which traffic will access and leave the Project site. Trip distribution is dependent upon the land use characteristics of the Project, the local roadway network, and the general locations of other land uses to which Project trips would originate or terminate. Figure 5 illustrates the trip distribution percentages at the study intersections that were used for the traffic impact analysis.

3.3 PROJECT TRIP ASSIGNMENT

Based on the trip generation and distribution assumptions described above, Project traffic was assigned to the roadway system. The assigned Project trips for the analyzed weekday a.m. and p.m. peak hours are illustrated on Figure 6 (Proposed Project) and Figure 7 (Alternate Scenario).

Figure - Project Trip Distribution



XX% Trip Distribution Percentage

Figure 6 - Proposed Project Trip Assignment - AM/PM Peak Hour Traffic Volumes

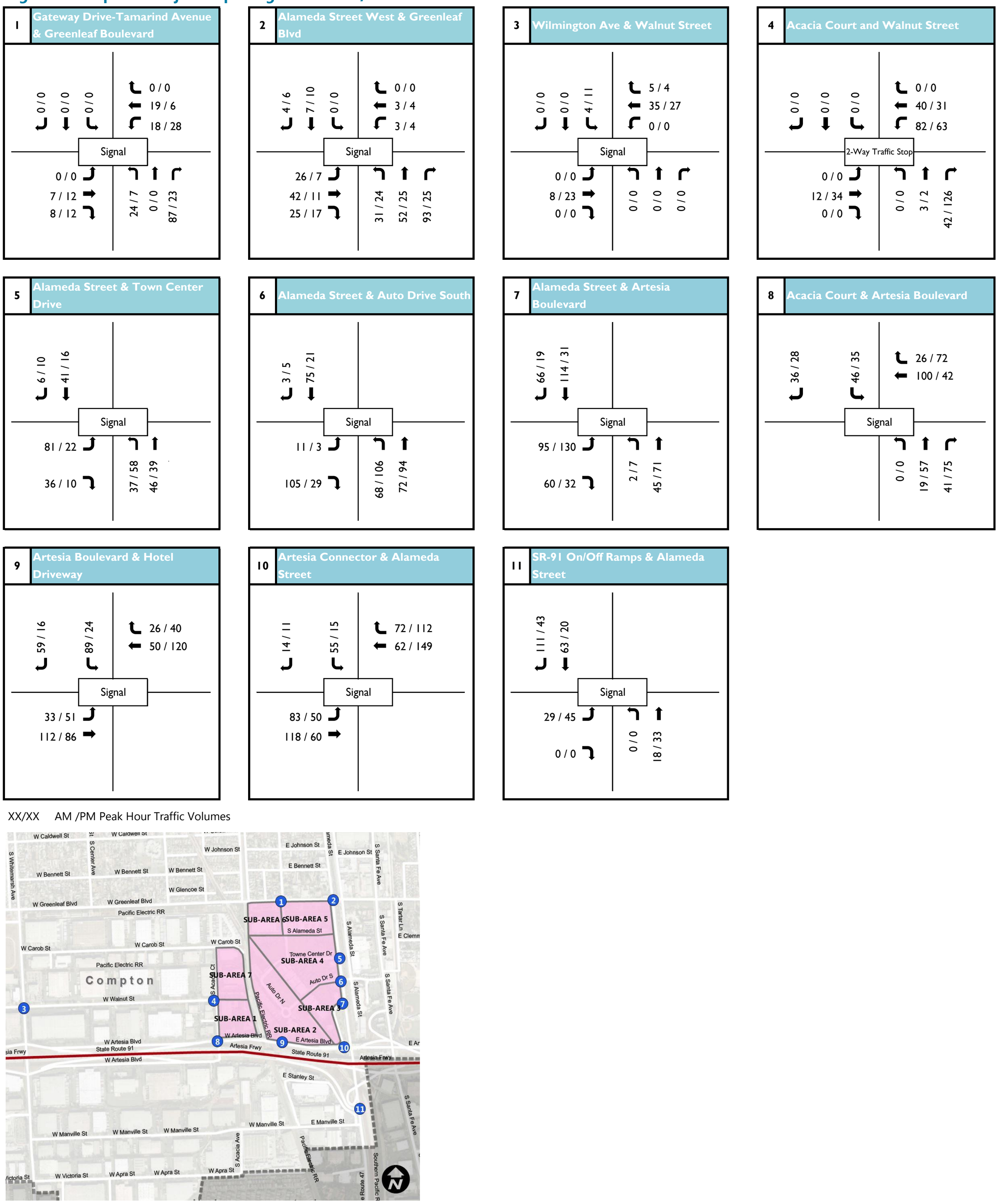
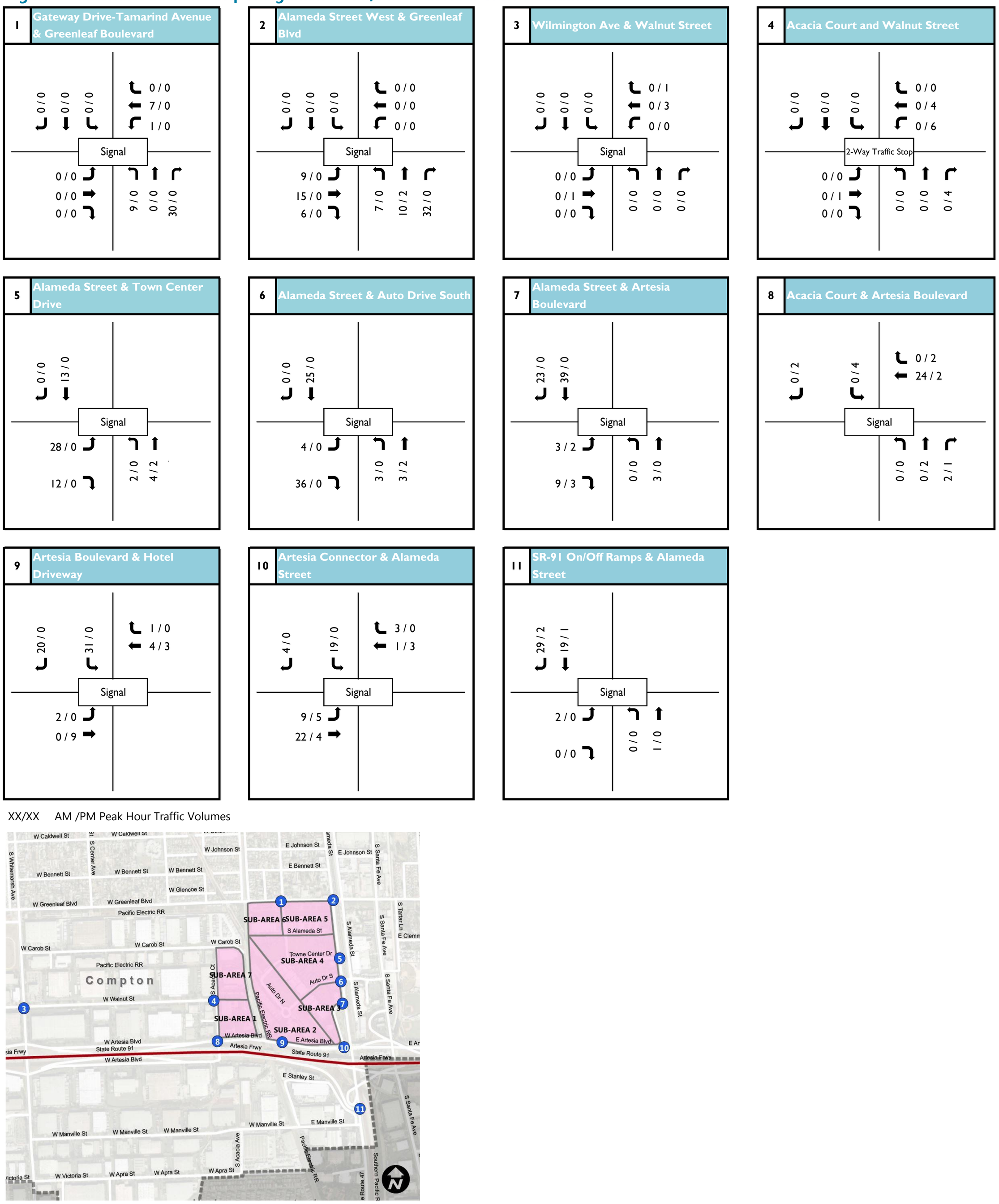


Figure 7 - Alternate Scenario Trip Assignment - AM/PM Peak Hour Traffic Volumes



4. EXISTING WITH-PROJECT CONDITIONS

This section documents existing traffic conditions at the study intersections with the addition of Project-generated traffic. Traffic volumes for these conditions were derived by adding Project trips to the existing traffic volumes.

Table 8 and Table 9 summarize the resulting V/C, Vehicle Delay and LOS values at the study intersections for this scenario, for the Proposed Project and the Alternate Scenario. The traffic analysis worksheets for this scenario are provided in Appendices E1 and E2 of this report.

Table 8 – Existing With-Project Conditions – Proposed Project

	Study Intersections	AM Peak		PM Peak	
		V/C or Delay	LOS	V/C or Delay	LOS
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	0.561	A	0.832	D
2	Alameda St West & Greenleaf Blvd	0.612	B	0.762	C
3	Wilmington Ave & Walnut St	0.551	A	0.902	**E**
4	Acacia Court & Walnut St*	19.4	C	54.0	**F**
5	Alameda St & Town Center Dr	0.540	A	0.550	A
6	Alameda St & Auto Dr South	0.736	C	0.793	C
7	Alameda St & Artesia Blvd Connector	0.706	C	0.610	B
8	Acacia Court & Artesia Blvd	0.664	B	1.013	**F**
9	Artesia Blvd & Hotel Dwy	0.640	B	0.729	C
10	Artesia Blvd Connector & Alameda St	0.625	B	0.792	C
11	SR-91 On/Off Ramps & Alameda St	0.587	A	0.596	A

LOS = Level of Service; V/C = Volume-to-Capacity Ratio

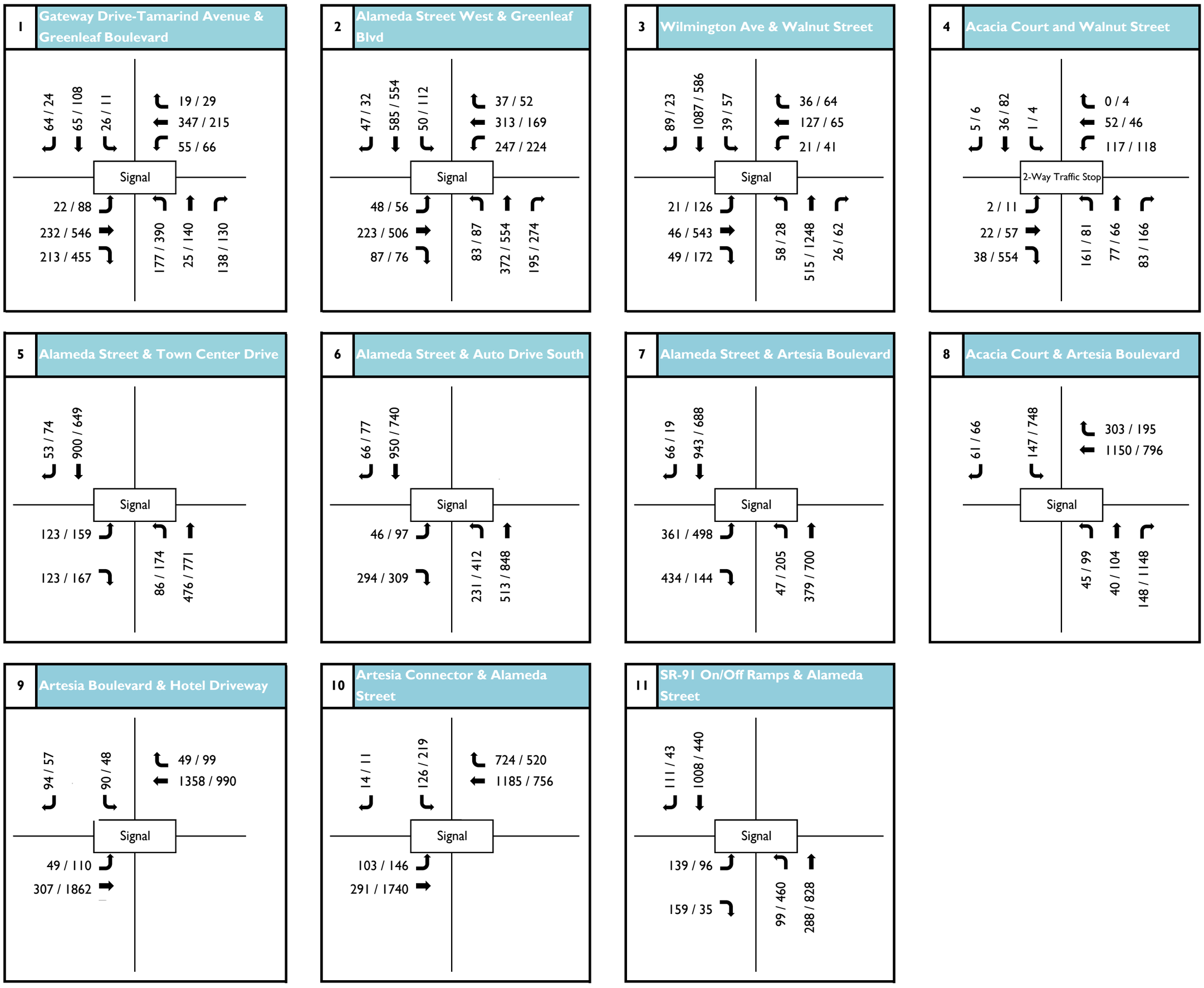
**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

Table 8 indicates that eight of the 11 study intersections would continue to operate at LOS D or better during the weekday a.m. and p.m. peak hours. The following study intersections are expected to operate at LOS values of E or F during the p.m. peak period:

- Wilmington Avenue/ Walnut Street
- Acacia Court/Walnut Street
- Acacia Court/ Artesia Boulevard

For the Proposed Project, existing with-Project traffic volumes for the weekday a.m. and p.m. peak hours are illustrated on Figure 8.

Figure 8 - Existing With Proposed Project - AM/PM Peak Hour Traffic Volumes



XX/XX AM /PM Peak Hour Traffic Volumes

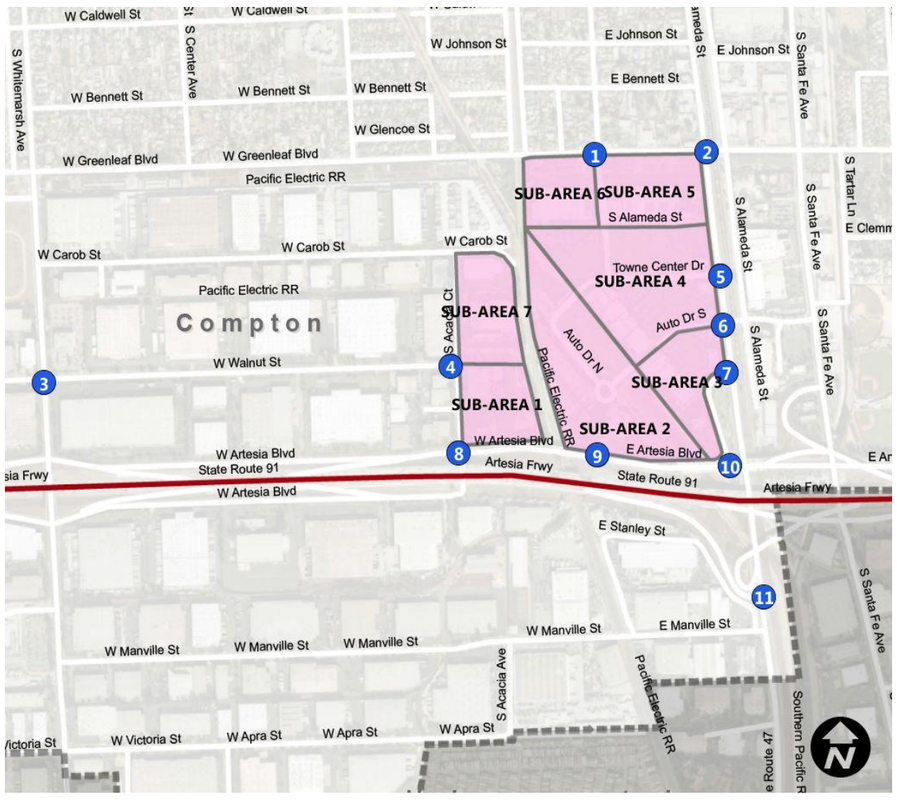


Table 9 – Existing with-Project Conditions – Alternate Scenario

	Study Intersections	AM Peak		PM Peak	
		V/C or Delay	LOS	V/C or Delay	LOS
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	0.544	A	0.799	C
2	Alameda St West & Greenleaf Blvd	0.577	A	0.732	C
3	Wilmington Ave & Walnut St	0.539	A	0.881	D
4	Acacia Court & Walnut St*	14.1	B	24.8	C
5	Alameda St & Town Center Dr	0.492	A	0.493	A
6	Alameda St & Auto Dr South	0.637	B	0.689	B
7	Alameda St & Artesia Blvd Connector	0.650	B	0.556	A
8	Acacia Court & Artesia Blvd	0.606	B	0.946	**E**
9	Artesia Blvd & Hotel Dwy	0.574	A	0.692	B
10	Artesia Blvd Connector & Alameda St	0.537	A	0.765	C
11	SR-91 On/Off Ramps & Alameda St	0.574	A	0.562	A

LOS = Level of Service; V/C = Volume-to-Capacity Ratio

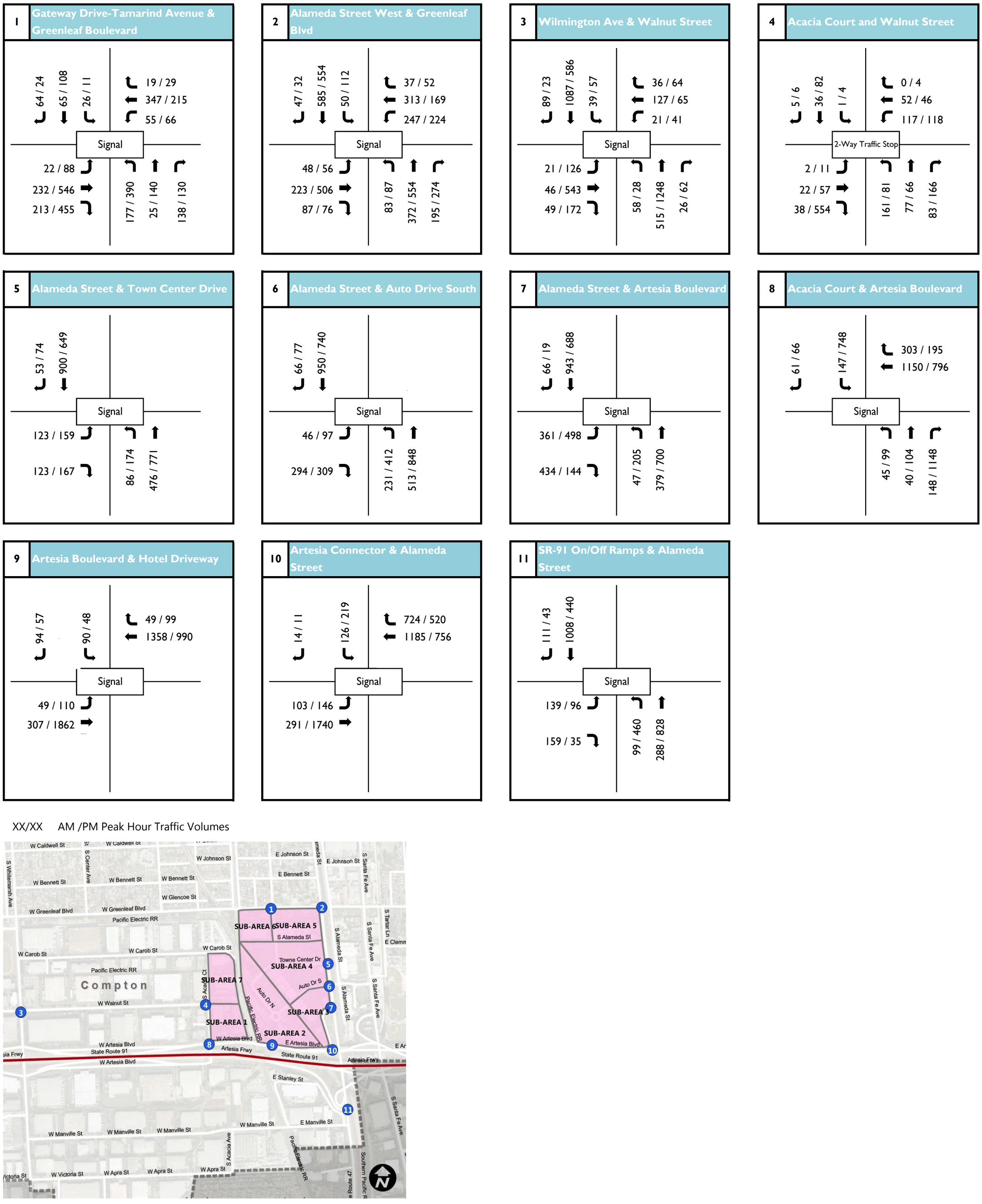
**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

Table 9 indicates that ten of the 11 study intersections would continue to operate at LOS D or better during the weekday a.m. and p.m. peak hours. The following study intersection would operate at an LOS value of E during the p.m. peak period:

- Acacia Court/ Artesia Boulevard

For the Alternate Scenario, existing with-Project traffic volumes for the weekday a.m. and p.m. peak hours are illustrated on Figure 9.

Figure 9 - Existing With Alternate Scenario - AM/PM Peak Hour Traffic Volumes



5. FUTURE CUMULATIVE CONDITIONS

This section documents existing traffic conditions at the study intersections with the addition of cumulative area traffic growth and Project-generated traffic.

5.1 CUMULATIVE TRAFFIC GROWTH

In order to assess future traffic conditions, KOA analyzed roadway segment output volumes from the SCAG *Regional Travel Demand Model* and compared the model-assigned traffic on roadways in the project vicinity for the baseline and forecast years.

On all of the area roadways, SCAG model-assigned traffic decreased between the model years, with an average decline across the area roadways equal to 13.4 percent of existing baseline traffic volumes. The model incorporates future land use changes, planned transit improvements, and changes in mode choice.

Other data was reviewed to provide a realistic but non-zero growth estimate in traffic volumes for the area. The Regional Growth Forecast developed by SCAG is used as a major input for estimates in regional plans and for strategies mandated by federal and state governments such as the Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS). Population in Compton is estimated to increase by 3.7 percent between the SCAG-analyzed base year of 2012 and the future year of 2040, and the local employment population is estimated to increase within the same timeframe by 11.0 percent.

The higher growth of the two land use types was applied, and as Compton has a large employment base within its commercial and industrial areas, this was considered a realistic source for future grwoth. The applied use of this higher growth rate between residential population growth and employment growth for Compton, for the purposes of defining cumulative volumes, is considered a conservative analysis. The compounded growth rate for the timeframe between 2019 (when traffic counts were concudted for this analysis) and 2040 (the analyzed buldout year) was calculated to be 8.2 percent.

5.2 FUTURE WITH-PROJECT CONDITIONS

The cumulative growth was calculated by applying the defined factor to the existing analyzed volumes. Project traffic was then added to these volumes to define total cumulative volumes.

Table 10 and Table 11 summarize the resulting V/C, Vehicle Delay and LOS values at the study intersections for the future with-Project or cumulative scenario, for the Proposed Project and the Alternate Scenario. The traffic analysis worksheets for this scenario are provided in Appendices F1 and F2 of this report.

Table 10 – Future with-Project Conditions – Proposed Project

	Study Intersections	AM Peak		PM Peak	
		V/C or Delay	LOS	V/C or Delay	LOS
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	0.596	A	0.888	D
2	Alameda St West & Greenleaf Blvd	0.649	B	0.813	D
3	Wilmington Ave & Walnut St	0.587	A	0.965	**E**
4	Acacia Court & Walnut St*	21.5	C	98.6	**F**
5	Alameda St & Town Center Dr	0.570	A	0.582	A
6	Alameda St & Auto Dr South	0.776	C	0.840	D
7	Alameda St & Artesia Blvd Connector	0.750	C	0.646	B
8	Acacia Court & Artesia Blvd	0.705	C	1.081	**F**
9	Artesia Blvd & Hotel Dwy	0.677	B	0.776	C
10	Artesia Blvd Connector & Alameda St	0.658	B	0.845	D
11	SR-91 On/Off Ramps & Alameda St	0.625	B	0.633	B

LOS = Level of Service; V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

Eight of the 11 study intersections would continue to operate at LOS D or better during the weekday a.m. and p.m. peak hours with buildout of the Proposed Project. The following study intersections would operate at LOS values of E or F during either peak hour:

- Wilmington Ave/Walnut St
- Acacia Court/Walnut St
- Acacia Court/Artesia Blvd

For the Proposed Project Scenario, future with-Project traffic volumes for the weekday a.m. and p.m. peak hours are illustrated on Figure 10.

Figure 10 – Future With Proposed Project - AM/PM Peak Hour Traffic Volumes

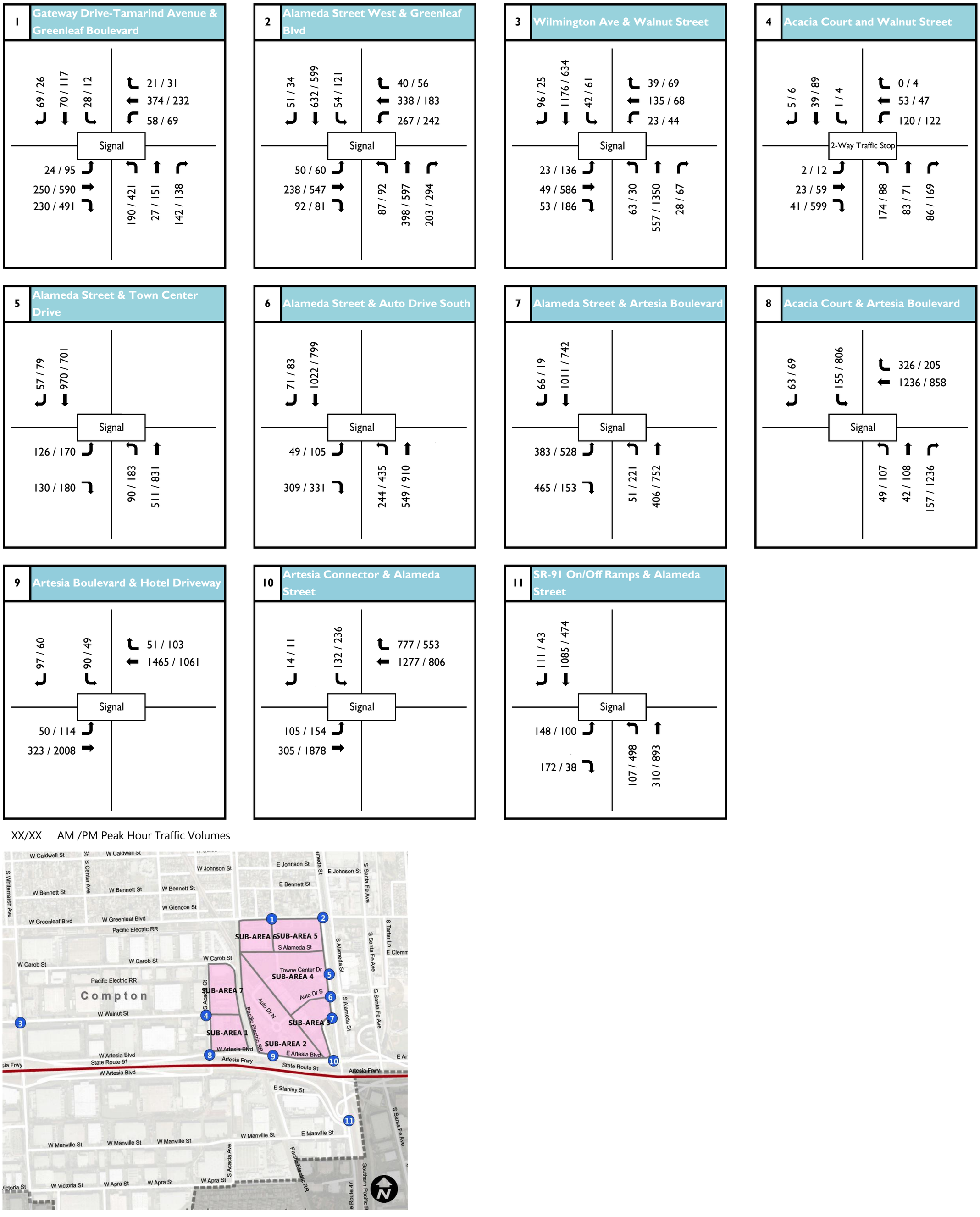


Table 11 – Future with-Project Conditions – Alternate Scenario

	Study Intersections	AM Peak		PM Peak	
		V/C or Delay	LOS	V/C or Delay	LOS
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	0.579	A	0.855	D
2	Alameda St West & Greenleaf Blvd	0.614	B	0.783	C
3	Wilmington Ave & Walnut St	0.574	A	0.944	**E**
4	Acacia Court & Walnut St*	14.9	B	30.9	D
5	Alameda St & Town Center Dr	0.522	A	0.525	A
6	Alameda St & Auto Dr South	0.677	B	0.735	C
7	Alameda St & Artesia Blvd Connector	0.693	B	0.592	A
8	Acacia Court & Artesia Blvd	0.646	B	1.014	**F**
9	Artesia Blvd & Hotel Dwy	0.611	B	0.740	C
10	Artesia Blvd Connector & Alameda St	0.570	A	0.819	D
11	SR-91 On/Off Ramps & Alameda St	0.611	B	0.599	A

LOS = Level of Service; V/C = Volume-to-Capacity Ratio

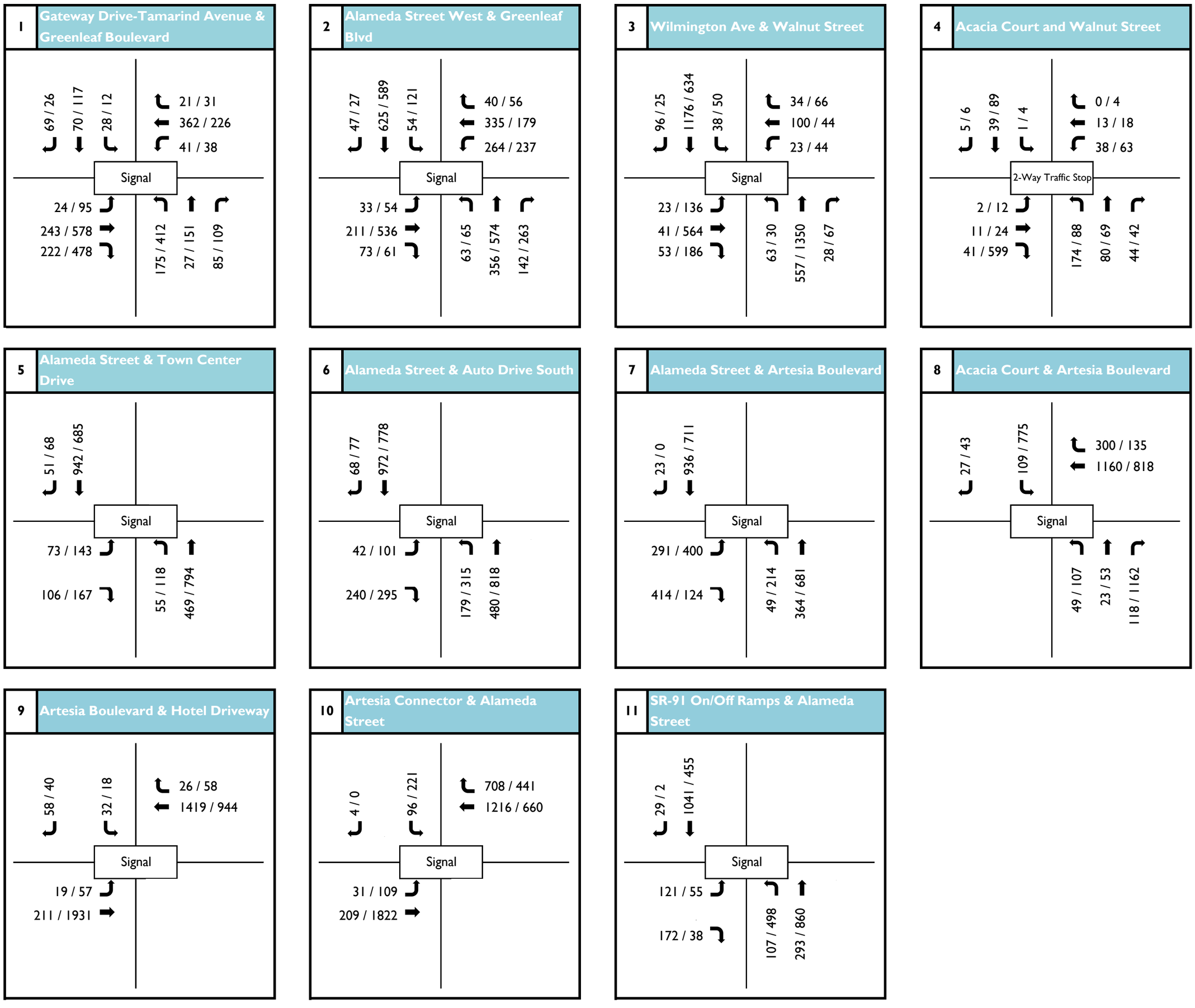
**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

Nine of the 11 study intersections would continue to operate at LOS D or better during the weekday a.m. and p.m. peak hours. The following study intersections would operate at LOS values of E or F during either peak hour:

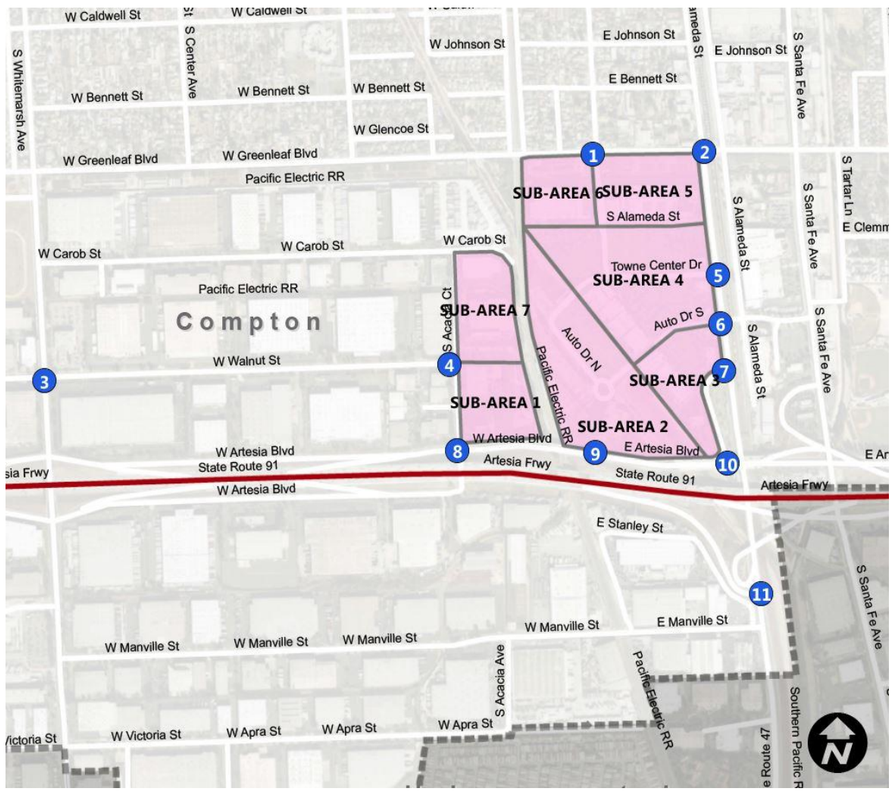
- Wilmington Ave/Walnut Street
- Acacia Court/Artesia Blvd

For the Alternate Scenario, future with-Project traffic volumes for the weekday a.m. and p.m. peak hours are illustrated on Figure 11.

Figure 11 – Future With Alternative Scenario - AM/PM Peak Hour Traffic Volumes



XX/XX AM /PM Peak Hour Traffic Volumes



6. PROJECT TRAFFIC IMPACTS

6.1 DETERMINATION OF TRAFFIC IMPACTS

Traffic impacts occur if a proposed development will result in significant changes in traffic conditions at a study location. A significant impact is typically identified if project-related traffic will cause LOS to deteriorate beyond a threshold limit specified by the reviewing agency. Impacts can also be significant if an intersection is already operating below the acceptable level of service and project traffic will cause a further decline in operations beyond the threshold. A facility with LOS A indicates excellent operating conditions with little delay to motorists, whereas LOS F represents congested conditions with excessive vehicle delay.

The City of Compton accepts guidelines for traffic impact studies defined by the County of Los Angeles Department of Public Works. Many local jurisdictions within the County permit the use of these thresholds. These guidelines, provided in Table 12, have therefore been used for the analysis of Project impacts. These standards are for signalized intersections and are based on increases in the volume-to-capacity ratio at LOS values of C thru F.

For the non-signalized study intersection, a significant impact was defined where the Project would cause or worsen LOS E or F operations, plus the results of a signal warrant analysis as defined by the California Edition of the Manual for Uniform Traffic Control Devices (MUTCD).

Table 12 – Significant Intersection Traffic Impact Thresholds

Level of Service	Volume/Capacity Ratio	Project-Related Increase in V/C
C	0.71 – 0.80	Equal to or greater than 0.04
D	> 0.81 – 0.90	Equal to or greater than 0.02
E, F	> 0.91 or greater	Equal to or greater than 0.01

6.2 TRAFFIC IMPACTS – EXISTING PLUS PROJECT CONDITIONS

Summaries of Project impacts under existing conditions are provided in Table 13 (Proposed Project) and Table 14 (Alternate Scenario). Traffic impacts for the created by the proposed Project were determined by comparing the existing scenario conditions to the existing with-Project scenario conditions.

Table 13 – Determination of Impacts – Proposed Project, Existing Conditions

	Study Intersections	Peak Period	Existing (2019) Condition		Existing (2019) + Project		Change in V/C or Delay	Sig Impact?
			V/C or Delay	LOS	V/C or Delay	LOS		
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	AM	0.534	A	0.561	A	0.027	No
		PM	0.797	C	0.832	D	0.035	No
2	Alameda St West & Greenleaf Blvd	AM	0.566	A	0.612	B	0.046	No
		PM	0.730	C	0.762	C	0.032	No
3	Wilmington Ave & Walnut St	AM	0.539	A	0.551	A	0.012	No
		PM	0.880	D	0.902	**E**	0.022	**Yes**
4	Acacia Court & Walnut St*	AM	14.1	B	19.4	C	5.3	No
		PM	23.8	C	54.0	**F**	30.2	**Yes**
5	Alameda St & Town Center Dr	AM	0.479	A	0.540	A	0.061	No
		PM	0.490	A	0.550	A	0.060	No
6	Alameda St & Auto Dr South	AM	0.605	B	0.736	C	0.131	No
		PM	0.682	B	0.793	C	0.111	No
7	Alameda St & Artesia Blvd Connector	AM	0.632	B	0.706	C	0.074	No
		PM	0.555	A	0.610	B	0.055	No
8	Acacia Court & Artesia Blvd	AM	0.599	A	0.664	B	0.065	No
		PM	0.943	**E**	1.013	**F**	0.070	**Yes**
9	Artesia Blvd & Hotel Dwy	AM	0.559	A	0.640	B	0.081	No
		PM	0.688	B	0.729	C	0.041	No
10	Artesia Blvd Connector & Alameda St	AM	0.519	A	0.625	B	0.106	No
		PM	0.764	C	0.792	C	0.028	No
11	SR-91 On/Off Ramps & Alameda St	AM	0.568	A	0.587	A	0.019	No
		PM	0.562	A	0.596	A	0.034	No

LOS = Level of Service, V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

NB=Northbound, SB=Southbound, EB=Eastbound, WB=Westbound

The Proposed Project would create significant traffic impacts at the following three study intersections:

- Wilmington Avenue/Walnut Street
- Acacia Court/ Walnut Street
- Acacia Court/ Artesia Boulevard

Table 14 – Determination of Impacts –
Alternate Scenario – Existing Conditions

	Study Intersections	Peak Period	Existing (2019) Condition		Existing (2019) + Project		Change in V/C or Delay	Sig Impact?
			V/C or Delay	LOS	V/C or Delay	LOS		
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	AM	0.534	A	0.544	A	0.010	No
		PM	0.797	C	0.799	C	0.002	No
2	Alameda St West & Greenleaf Blvd	AM	0.566	A	0.577	A	0.011	No
		PM	0.730	C	0.732	C	0.002	No
3	Wilmington Ave & Walnut St	AM	0.539	A	0.539	A	0.000	No
		PM	0.880	D	0.881	D	0.001	No
4	Acacia Court & Walnut St*	AM	14.1	B	14.1	B	0.0	No
		PM	23.8	C	24.8	C	1.0	No
5	Alameda St & Town Center Dr	AM	0.479	A	0.492	A	0.013	No
		PM	0.490	A	0.493	A	0.003	No
6	Alameda St & Auto Dr South	AM	0.605	B	0.637	B	0.032	No
		PM	0.682	B	0.689	B	0.007	No
7	Alameda St & Artesia Blvd Connector	AM	0.632	B	0.650	B	0.018	No
		PM	0.555	A	0.556	A	0.001	No
8	Acacia Court & Artesia Blvd	AM	0.599	A	0.606	B	0.007	No
		PM	0.943	E	0.946	E	0.003	No
9	Artesia Blvd & Hotel Dwy	AM	0.559	A	0.574	A	0.015	No
		PM	0.688	B	0.692	B	0.004	No
10	Artesia Blvd Connector & Alameda St	AM	0.519	A	0.537	A	0.018	No
		PM	0.764	C	0.765	C	0.001	No
11	SR-91 On/Off Ramps & Alameda St	AM	0.568	A	0.574	A	0.006	No
		PM	0.562	A	0.562	A	0.000	No

LOS = Level of Service, V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

NB=Northbound, SB=Southbound, EB=Eastbound, WB=Westbound

The Alternate Scenario would not create significant traffic impacts at any of the study intersections under existing conditions.

6.3 TRAFFIC IMPACTS – CUMULATIVE CONDITIONS

Summaries of cumulative impacts are provided in Table 15 (Proposed Project) and Table 16 (Alternate Scenario). Traffic impacts for the created by the proposed Project were determined by comparing the existing scenario conditions to the cumulative scenario conditions.

Table 15 – Determination of Impacts – Proposed Project, Cumulative Conditions

Study Intersections		Peak Hour	Existing (2019) Condition		Future (2040) With Project		Change in V/C	Sig Impact?
			V/C or Delay	LOS	V/C or Delay	LOS		
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	AM	0.534	A	0.596	A	0.062	No
		PM	0.797	C	0.888	D	0.091	**Yes**
2	Alameda St West & Greenleaf Blvd	AM	0.566	A	0.649	B	0.083	No
		PM	0.730	C	0.813	D	0.083	**Yes**
3	Wilmington Ave & Walnut St	AM	0.539	A	0.587	A	0.048	No
		PM	0.880	D	0.965	**E**	0.085	**Yes**
4	Acacia Court & Walnut St*	AM	10.5	B	21.5	C	11.0	No
		PM	19.2	C	98.6	**F**	79.4	**Yes**
5	Alameda St & Town Center Dr	AM	0.479	A	0.570	A	0.091	No
		PM	0.490	A	0.582	A	0.092	No
6	Alameda St & Auto Dr South	AM	0.605	B	0.776	C	0.171	No
		PM	0.682	B	0.840	D	0.158	No
7	Alameda St & Artesia Blvd Connector	AM	0.632	B	0.750	C	0.118	No
		PM	0.555	A	0.646	B	0.091	No
8	Acacia Court & Artesia Blvd	AM	0.599	A	0.705	C	0.106	No
		PM	0.943	**E**	1.081	**F**	0.138	**Yes**
9	Artesia Blvd & Hotel Dwy	AM	0.559	A	0.677	B	0.118	No
		PM	0.688	B	0.776	C	0.088	No
10	Artesia Blvd Connector & Alameda	AM	0.519	A	0.658	B	0.139	No
		PM	0.764	C	0.845	D	0.081	**Yes**
11	SR-91 On/Off Ramps & Alameda St	AM	0.568	A	0.625	B	0.057	No
		PM	0.562	A	0.633	B	0.071	No

LOS = Level of Service, V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

NB=Northbound, SB=Southbound, EB=Eastbound, WB=Westbound

Cumulative traffic volumes including the Proposed Project would create significant traffic impacts at the following six study intersections:

- Gateway Dr/Tamarind Ave & Greenleaf Blvd
- Alameda St West & Greenleaf Blvd
- Wilmington Avenue/Walnut Street
- Acacia Court/ Walnut Street
- Acacia Court/ Artesia Boulevard
- Artesia Boulevard Connector/ Alameda St

Table 16 – Determination of Impacts – Alternate Scenario – Cumulative Conditions

Study Intersections		Peak Hour	Existing (2019) Condition		Future (2040) With Project		Change in V/C or Delay	Sig Impact?
			V/C or Delay	LOS	V/C or Delay	LOS		
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	AM	0.534	A	0.579	A	0.045	No
		PM	0.797	C	0.855	D	0.058	**Yes**
2	Alameda St West & Greenleaf Blvd	AM	0.566	A	0.614	B	0.048	No
		PM	0.730	C	0.783	C	0.053	**Yes**
3	Wilmington Ave & Walnut St	AM	0.539	A	0.574	A	0.035	No
		PM	0.880	D	0.944	**E**	0.064	**Yes**
4	Acacia Court & Walnut St*	AM	14.1	B	14.9	B	0.8	No
		PM	23.8	C	30.9	D	7.1	No
5	Alameda St & Town Center Dr	AM	0.479	A	0.522	A	0.043	No
		PM	0.490	A	0.525	A	0.035	No
6	Alameda St & Auto Dr South	AM	0.605	B	0.677	B	0.072	No
		PM	0.682	B	0.735	C	0.053	No
7	Alameda St & Artesia Blvd Connector	AM	0.632	B	0.693	B	0.061	No
		PM	0.555	A	0.592	A	0.037	No
8	Acacia Court & Artesia Blvd	AM	0.599	A	0.646	B	0.047	No
		PM	0.943	**E**	1.014	**F**	0.071	**Yes**
9	Artesia Blvd & Hotel Dwy	AM	0.559	A	0.611	B	0.052	No
		PM	0.688	B	0.740	C	0.052	No
10	Artesia Blvd Connector & Alameda	AM	0.519	A	0.570	A	0.051	No
		PM	0.764	C	0.819	D	0.055	**Yes**
11	SR-91 On/Off Ramps & Alameda St	AM	0.568	A	0.611	B	0.043	No
		PM	0.562	A	0.599	A	0.037	No

LOS = Level of Service, V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

NB=Northbound, SB=Southbound, EB=Eastbound, WB=Westbound

Cumulative traffic volumes including the Alternate Scenario would create significant traffic impacts at the same study intersections as the Proposed Project, except for the intersection of Acacia Court and Walnut Street where a significant impact would not occur.

6.4 TRAFFIC MITIGATION MEASURES – EXISTING WITH-PROJECT CONDITIONS

An analysis of recommended traffic mitigation measures under existing baseline conditions is provided in Table 17 for the Proposed Project. The effectiveness of the mitigation measures were determined by comparing the existing scenario conditions to the existing with-Project and with-mitigation conditions.

Table 17 – Mitigation Measure Analysis –
Proposed Project, Existing plus-Project Conditions

	Study Intersections	Peak Period	Existing (2019) Condition V/C or Delay	Existing (2019) Condition LOS	Existing (2019) With Project-Mitigated V/C or Delay	Existing (2019) With Project-Mitigated LOS	Change in V/C or Delay	Sig Impact?	Mitigation
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	AM	0.534	A	0.506	A	-0.028	No	
		PM	0.797	C	0.705	C	-0.092	No	
2	Alameda St West & Greenleaf Blvd	AM	0.566	A	0.585	A	0.019	No	
		PM	0.730	C	0.738	C	0.008	No	
3	Wilmington Ave & Walnut St	AM	0.539	A	0.540	A	0.001	No	NB: Provide added right-turn lane, WB: Replace shared right-thru lane with thru-lane and provide new right-turn lane.
		PM	0.880	D	0.902	**E**	0.022	**Yes**	
4	Acacia Court & Walnut St*	AM	14.1	B	0.4	A	-	No	
		PM	23.8	C	0.5	A	-	No	Signalize intersection, with split phasing for east/west offset legs.
5	Alameda St & Town Center Dr	AM	0.479	A	0.540	A	0.061	No	
		PM	0.490	A	0.550	A	0.060	No	
6	Alameda St & Auto Dr South	AM	0.605	B	0.644	B	0.039	No	EB: Provide a second dedicated left-turn lane
		PM	0.682	B	0.696	B	0.014	No	
7	Alameda St & Artesia Blvd Connector	AM	0.632	B	0.706	C	0.074	No	
		PM	0.555	A	0.610	B	0.055	No	
8	Acacia Court & Artesia Blvd	AM	0.599	A	0.563	A	-0.036	No	NB: Replace existing shared left-thru lane with left-turn lane and thru-lane,
		PM	0.943	**E**	0.952	**E**	0.009	No	WB: Replace existing shared right-thru lane with thru-lane and right-turn
9	Artesia Blvd & Hotel Dwy	AM	0.559	A	0.595	A	0.036	No	
		PM	0.688	B	0.711	C	0.023	No	
10	Artesia Blvd Connector & Alameda St	AM	0.519	A	0.625	B	0.106	No	
		PM	0.764	C	0.792	C	0.028	No	
11	SR-91 On/Off Ramps & Alameda St	AM	0.568	A	0.587	A	0.019	No	
		PM	0.562	A	0.566	A	0.004	No	

LOS = Level of Service, V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

NB=Northbound, SB=Southbound, EB=Eastbound, WB=Westbound

Roadway widening and potential acquisition of right-of-way would be necessary at study intersections 3 and 6.

Significant impacts would remain after the application of the identified feasible mitigation measures, at one of the impacted study intersections. At this location, the identified mitigation measures would not fully reduce the impact and a residual significant impact would remain in the PM peak hour. Impacts of the Proposed Project at this location would therefore be significant and unavoidable:

- Wilmington Avenue/Walnut Street

A traffic signal at intersection 4 would be warranted in the future period. Peak-hour MUTCD signal warrant worksheets are provided in Appendix K.

Under the Alternate Scenario, there would not be any Project-only significant traffic impacts. Mitigation measures are therefore not recommended for that Project scenario under existing plus-Project conditions.

6.5 TRAFFIC MITIGATION MEASURES – CUMULATIVE CONDITIONS

An analysis of recommended traffic mitigation measures under future cumulative conditions are provided in Table 18 (Proposed Project) and Table 19 (Alternate Scenario). The effectiveness of the mitigation measures were determined by comparing the existing scenario conditions to the future with-Project (including cumulative growth) and with-mitigation conditions.

Table 18 – Mitigation Measure Analysis –
Proposed Project, Future Cumulative Conditions

	Study Intersections	Peak Hour	Existing (2019) Condition V/C or Delay	Existing (2019) Condition LOS	Future (2040) With Project-Mitigated V/C or Delay	Future (2040) With Project-Mitigated LOS	Change in V/C	Sig Impact?	Mitigation
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	AM	0.534	A	0.537	A	0.003	No	NB: Replace existing lane configuration with dual left-turn lanes and shared right-thru lane.
		PM	0.797	C	0.751	C	-0.046	No	
2	Alameda St West & Greenleaf Blvd	AM	0.566	A	0.620	B	0.054	No	EB: Replace existing shared right-thru lane with thru-lane and new right-turn lane
		PM	0.730	C	0.787	C	0.057	**Yes**	
3	Wilmington Ave & Walnut St	AM	0.539	A	0.575	A	0.036	No	NB: Provide added right-turn lane, WB: Replace shared right-thru lane with thru-lane and provide new right-turn lane.
		PM	0.880	D	0.965	**E**	0.085	**Yes**	
4	Acacia Court & Walnut St*	AM	10.5	B	0.372	A		No	Signalize intersection, with split phasing for east/west offset legs. Peak-hour signal warrant met in future without and with-Project periods.
		PM	19.2	C	0.556	A		No	
5	Alameda St & Town Center Dr	AM	0.479	A					
		PM	0.490	A					
6	Alameda St & Auto Dr South	AM	0.605	B					
		PM	0.682	B					
7	Alameda St & Artesia Blvd Connector	AM	0.632	B					
		PM	0.555	A					
8	Acacia Court & Artesia Blvd	AM	0.599	A	0.567	A	-0.032	No	NB: Replace existing shared left-thru lane with left-turn lane and thru-lane, WB: Replace existing shared right-thru lane with thru-lane and right-turn lane
		PM	0.943	**E**	0.990	**E**	0.047	**Yes**	
9	Artesia Blvd & Hotel Dwy	AM	0.559	A					
		PM	0.688	B					
10	Artesia Blvd Connector & Alameda St	AM	0.519	A	0.658	B	0.139	No	No feasable mitigations
		PM	0.764	C	0.845	D	0.081	**Yes**	
11	SR-91 On/Off Ramps & Alameda St	AM	0.568	A					
		PM	0.562	A					

LOS = Level of Service, V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

NB=Northbound, SB=Southbound, EB=Eastbound, WB=Westbound

Roadway widening and potential acquisition of right-of-way would be necessary at study intersection 3.

Mitigation measures at study intersection 10 were determined to be infeasible based on the configuration of the intersection. This intersection is located adjacent to the Alameda Corridor railroad trench and there are two lanes in each direction on Alameda Street for north-south travel. The approach of the Artesia Boulevard connector ramp at the west leg of the intersection has a channelized right turn lane and two left-turn lanes. The provision of additional Artesia Boulevard connector approach lanes at the west leg of the intersection would not be feasible, as Alameda Street to the north has two receiving lanes that match the two connector ramp left-turn lanes and lanes cannot be added on Alameda Street. Alameda Street cannot be widened into the Alameda Corridor space to the east. The addition of a second left-turn lane at the northbound approach of the intersection would require reconstruction of the connector ramp structure in its entirety, to provide for additional receiving lanes. Due to these physical restrictions, mitigation measures at this location were determined to be infeasible.

Significant impacts would remain for this scenario after the application of the identified feasible mitigation

measures, at four of the impacted study intersections. At these locations, the identified mitigation measures would not fully reduce the impacts and residual significant impacts would remain in the PM peak hour. Proposed Project impacts at these locations would therefore be significant and unavoidable:

- Alameda St West & Greenleaf Blvd
- Wilmington Avenue/Walnut Street
- Acacia Court & Artesia Blvd
- Artesia Blvd Connector & Alameda St

A traffic signal at intersection 4 would be warranted in the future period. Peak-hour MUTCD signal warrant worksheets are provided in Appendix K.

Table 19 – Mitigation Measure Analysis –
Alternate Scenario, Future Cumulative Conditions

	Study Intersections	Peak Hour	Existing (2019) Condition		Future (2040) With Project-Mitigated		Change in V/C	Sig Impact?	Mitigation
			V/C or Delay	LOS	V/C or Delay	LOS			
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd	AM	0.534	A	0.525	A	-0.009	No	NB: Replace existing lane configuration with dual left-turn lanes and shared right-thru lane.
		PM	0.797	C	0.722	C	-0.075	No	
2	Alameda St West & Greenleaf Blvd	AM	0.566	A	0.591	A	0.025	No	EB: Replace existing shared right-thru lane with thru-lane and new right-turn lane
		PM	0.730	C	0.764	C	0.034	No	
3	Wilmington Ave & Walnut St	AM	0.539	A	0.565	A	0.026	No	NB: Provide added right-turn lane, WB: Replace shared right-thru lane with thru-lane and provide new right-turn lane.
		PM	0.880	D	0.944	**E**	0.064	**Yes**	
4	Acacia Court & Walnut St*	AM	14.1	B					
		PM	23.8	C					
5	Alameda St & Town Center Dr	AM	0.479	A					
		PM	0.490	A					
6	Alameda St & Auto Dr South	AM	0.605	B					
		PM	0.682	B					
7	Alameda St & Artesia Blvd Connector	AM	0.632	B					
		PM	0.555	A					
8	Acacia Court & Artesia Blvd	AM	0.599	A	0.517	A	-0.082	No	NB: Replace existing shared left-thru lane with left-turn lane and thru-lane, WB: Replace existing shared right-thru lane with thru-lane and right-turn lane
		PM	0.943	**E**	0.944	**E**	0.001	No	
9	Artesia Blvd & Hotel Dwy	AM	0.559	A					
		PM	0.688	B					
10	Artesia Blvd Connector & Alameda St	AM	0.519	A	0.570	A	0.051	No	No feasable mitigations
		PM	0.764	C	0.819	D	0.055	**Yes**	
11	SR-91 On/Off Ramps & Alameda St	AM	0.568	A					
		PM	0.562	A					

LOS = Level of Service, V/C = Volume-to-Capacity Ratio

**Two-way stop intersection, with analysis based on HCM methodology. Values denote vehicle delay in seconds*

NB=Northbound, SB=Southbound, EB=Eastbound, WB=Westbound

Roadway widening and potential acquisition of right-of would be necessary at study intersection 3.

Under the Alternate Scenario and identified feasible mitigation measures, significant traffic impacts would remain at the following study intersections:

- Wilmington Avenue/Walnut Street
- Artesia Boulevard Connector/Alameda Street

Impacts of the Alternate Scenario at these locations would therefore be significant and unavoidable.

Aerial maps of the significantly-impacted study intersections are provided in Appendix L.

6.6 IMPACT SENSITIVITY ANALYSIS – PROPOSED PROJECT

A sensitivity analysis of study intersection impacts was conducted, to determine based on intensity when development within the Project area, assuming the patterns and intensity under the Proposed Project, would trigger significant impacts and require mitigation measures. The summary of this analysis is below, and is based on PM peak-hour vehicle trips, as the identified impacts would occur within that period. The trip totals are based on net trips – the difference between proposed development and existing development:

- At 113 net added p.m. peak hour trips, a significant impact would occur at study intersection 8 (Acacia Court/Artesia Boulevard) and implementation of the identified mitigation measure at that location would be required.
- At 523 net added p.m. peak hour trips, a significant impact would occur at study intersection 4 (Acacia Court/Walnut Street) and implementation of the identified mitigation measures at that location would be required.
- At 793 net added p.m. peak hour trips, a significant impact would occur at study intersection 3 (Wilmington Avenue/Walnut Street) and implementation of the identified mitigation measures at that location would be required.
- At 1,133 net added p.m. peak hour trips, a significant impact would occur at study intersection 1 (Gateway Drive/Tamarind Avenue-Greenleaf Blvd.) and implementation of the identified mitigation measures at that location would be required.
- At 1,142 net added p.m. peak hour trips, a significant impact would occur at study intersection 2 (Alameda Street West/Greenleaf Blvd.) and implementation of the identified mitigation measures at that location would be required.

6.7 PROJECT VEHICLE MILES TRAVELED (VMT) CALCULATIONS

Local agencies will soon be required to adopt vehicle miles traveled (VMT) as a criteria in determining transportation impacts under the State of California Environmental Quality Act (CEQA). This adoption was required by Senate Bill (SB) 743 and the recent changes to Section 15064.3 of the CEQA Guidelines. VMT calculations provides a disclosure of appropriate information as required by CEQA in the event that the project does not receive their entitlements prior to July 1, 2020, which is the State's official deadline for required compliance by all projects.

It is anticipated that the Proposed Project will have certified environmental documentation prior to July 1, 2020, but VMT metrics have been provided in Table 20 for informational purposes.

Table 20 – Summary of Vehicle Miles Traveled (VMT)

Model Scenarios	Daily VMT	Change in VMT from Baseline	Change in VMT per Service Population
Baseline	111,180	-	-
Primary Alternative	308,765	197,585	22.5
Secondary Alternative	138,549	27,369	12.9

VMT= Vehicle Miles Traveled

The Regional Travel Demand Model maintained by SCAG was used to compute VMT values for the Project.

In 2018 (the regional model existing baseline year), the Project area generated 111,180 Vehicle Miles Traveled (VMT) per day. That number increases to 308,765 VMT per day with the implementation of the Proposed Project (resulting in a net change of 197,585 VMT) and 138,549 VMT per day with the implementation of the Alternate Scenario (for a net change of 27,369 VMT).

The change in VMT per service population (i.e. the change in VMT divided by the change in the total number of employees and residents in the regional model) is 22.5 for the Proposed Project and 12.9 for the Secondary Alternative.

The detailed output from the VMT analysis for the Project is provided in Appendix M.

7. CONGESTION MANAGEMENT PROGRAM AND FREEWAY FACILITY IMPACT ANALYSIS

This section demonstrates the ways in which this traffic study was prepared to be in conformance with the procedures mandated by the County of Los Angeles Congestion Management Program (CMP). An analysis was also conducted of potential freeway impacts per Caltrans impact standards.

The CMP was created statewide because of Proposition 111 and was implemented locally by the Los Angeles County Metropolitan Transportation Authority (Metro). The CMP for Los Angeles County requires that the traffic impact of individual development projects of potentially regional significance be analyzed. A specific system of arterial roadways plus all freeways comprises the CMP system. Per CMP Transportation Impact Analysis (TIA) Guidelines, a traffic impact analysis is conducted where:

- At CMP arterial monitoring intersections, including freeway on-ramps or off-ramps, where the proposed Project will add 50 or more vehicle trips during either a.m. or p.m. weekday peak hours.

- At CMP mainline freeway-monitoring locations, where the Project will add 150 or more trips, in either direction, during the either the a.m. or p.m. weekday peak hours.

7.1 POTENTIAL CMP ARTERIAL IMPACTS

The nearest CMP arterial to the project site is Alameda Street, which borders the project on the east. The closest CMP arterial monitoring intersection on Alameda is the following:

- CM ID 13 – Alameda Street and Route 91 Eastbound Ramps, approximately 1000 feet southeast of the Project area

The Project trip assignment analysis for the Primary Project Alternative indicated that 221 project trips would be added to the intersection in the A.M. peak hour and 141 trips would be added in the P.M. peak hour. Based on these numbers, the arterial monitoring station requires additional impact analysis. The level of service analysis conducted for the main impact analysis in this report does not conflict with CMP guidelines for impact analysis, and a significant impact from the Project and the alternative was not identified as the intersection would not operate at LOS F. A queuing analysis at this location, for the off-ramp approach, is also provided within this section.

7.2 POTENTIAL FREEWAY IMPACTS

The State of California Department of Transportation (Caltrans) publishes guidelines on the calculations of potential impacts to state facilities from planned development projects. State Route 91 is a freeway route maintained by Caltrans within the Project study area. Analysis is presented here based on both CMP and Caltrans traffic impact guidelines.

Freeway Mainline Analysis – CMP Guidelines

The Project percentage share of freeway mainline traffic volumes is analyzed within this report sub-section. The closest CMP monitoring station on Route 91 lies east of Alameda Street/Santa Fe Avenue (ID 1033), less than one mile from the project site. Based on the incremental Project trip generation estimates, the proposed project will add as many as 341 trips at the monitoring station location during the PM peak period. This volume exceeds the CMP thresholds, and additional freeway facility analysis is provided below.

Freeway Mainline Volume Analysis – Caltrans Guidelines

Potential freeway facility impacts were reviewed per Caltrans traffic study guidelines. Existing volumes were compiled from Caltrans data, via AADT (Average Annual Daily Traffic) data reports from 2017. The year 2017 is the most recent available data summarized by Caltrans.

The volumes for this analysis come from the bolded figures under the "Back AADT" and "Ahead AADT" columns in Table 21. The "back" and "ahead" labels refer to the direction on the freeway facility from the analyzed location. Per Caltrans definitions for data collection and analysis, back volumes are further south or west on the facility and ahead volumes are further north or east on the facility (in relation to the overall facility direction of travel within the region).

Table 21 – Caltrans Volume Data for Mainline Freeway Segments

Postmile	DESCRIPTION	BACK_AADT	AHEAD_AADT
9.162	COMPTON, WILMINGTON AVENUE	205000	**212000**
10.271	COMPTON, ALAMEDA STREET	**212000**	212000
10.410	COMPTON, ALAMEDA STREET/SANTA FE AVENUE	212000	**220000**

Peak-hour counts were derived by applying peak-hour and peak directional percentages observed in the field. These percentages provide an estimate of the proportion of average daily traffic traveling in the peak direction at the peak hour. By applying a peak directional volume to both directions, our analysis attempted to be conservative. The peak-hour and directional factors used for mainline segments are defined in Table 22.

Table 22 – Peak Hour ("K") and Directional ("D") Factors

Route	County	Postmile	AM Direction	AM K-Factor	AM D-Factor	PM Direction	PM K-Factor	PM D-Factor
91	LA	7.426	West	0.067	0.604	East	0.066	0.548

Future background traffic conditions for the buildout year of 2040 were obtained by applying the one percent ambient growth factor from the primary traffic impact analysis to the existing peak-hour and direction volumes. The growth factor was applied based on the count year of 2017 rather than the current year, 2019.

Project trips entering or leaving freeway ramps (based on the trip assignment in Figure 6) were then added to the cumulative growth volumes to define the future with project freeway operating conditions.

Freeway Mainline Highway Capacity Manual Analysis

A freeway mainline level of service calculation for the future without and future with project traffic volumes was conducted, using the Highway Capacity Manual methodology. The calculations were performed at three locations within the project vicinity.

Table 23 summarizes the results of this analysis for the Proposed Project and Table 24 summarizes results for the Secondary Alternative. When traffic density and congestion levels reach high levels, quantified results are not provided outside of the LOS value results. Therefore, some values are blank in these tables.

Table 23 – Mainline LOS Calculations, Proposed Project

No	Mainline Segment	Peak Hour	Future (2040) No Project		Future (2040) With Primary Alt	
			Density	LOS	Density	LOS
A	SR-91, Ahead of Wilmington Avenue	Weekday AM	-	F	-	F
		Weekday PM	-	F	-	F
B	SR-91, Back of Alameda Street	Weekday AM	-	F	-	F
		Weekday PM	-	F	-	F
C	SR-91, Ahead of Alameda Street/Santa Fe Avenue	Weekday AM	-	F	-	F
		Weekday PM	42.700	E	44.900	E

LOS = Level of Service

Table 24 – Mainline LOS Calculations, Secondary Alternative

No	Mainline Segment	Peak Hour	Future (2040) No Project		Future (2040) With Secondary Alt	
			Density	LOS	Density	LOS
A	SR-91, Ahead of Wilmington Avenue	Weekday AM	-	F	-	F
		Weekday PM	-	F	-	F
B	SR-91, Back of Alameda Street	Weekday AM	-	F	-	F
		Weekday PM	-	F	-	F
C	SR-91, Ahead of Alameda Street/Santa Fe Avenue	Weekday AM	-	F	-	F
		Weekday PM	42.700	E	42.700	E

LOS = Level of Service

Segments A and B operate at LOS F under all scenarios. Segment C (ahead of Alameda Street/Santa Fe Avenue) operates at LOS E under Pre-Project conditions and Post-Project conditions for both alternatives. As the Project would contribute additional volumes to these LOS E and LOS F conditions, Project impacts on these segments were considered to be significant.

The City of Compton would need to coordinate with Caltrans on final fair-share mitigation measures for the freeway corridor that includes these segments. Potential improvements have not been identified for these segments, and future Caltrans improvements that would target these segments are not known. These impacts would therefore be significant and unavoidable.

The freeway Level of Service analysis worksheets are provided in Appendix G (future without-project conditions), Appendix H1 (future with Proposed Project conditions), and Appendix H2 (future with Alternate Scenario conditions).

Off-Ramp Queueing Analysis

Lengthy vehicle queues at off-ramps cause traffic to back up onto the freeway mainline, potentially impacting freeway operations. Therefore, queues were analyzed at the Route 91 off-ramps at Acacia Avenue and Alameda Street under pre- and post-project conditions, to assess whether the Project significantly affects queuing. These are the off-ramp/roadway intersections nearest to the Project area that have traffic controls. Other access ramps in the area are not controlled and are slip ramps (with merging/diverging configurations and are not controlled by stop signs or traffic signals).

The analysis focused on the 95th-percentile queue (i.e. the queue higher than 95% of observed queues), derived from simulation in *Synchro* software. Caltrans determines significant queuing impacts where a queue exceeds 85% of the length of the off-ramp. The study used this threshold to assess project queueing impacts.

Table 25 provides the 95th-percentile queues and available storage at the two off-ramps, considering (separately) implementation of either the primary or secondary alternative.

Table 25 – Freeway Access Ramp Queuing Analysis

			Future No Project				Future with Project-Primary Alt				Future with Project-Secondary Alt			
Movement	Time Period	Ramp Storage Length (Feet)	95%ile Vehicle Queue (feet)	95%ile Vehicle Queue (Vehicle)	Queue % of available storage	Significant Impact?	95%ile Vehicle Queue (feet)	95%ile Vehicle Queue (Vehicle)	Queue % of available storage	Significant Impact?	95%ile Vehicle Queue (feet)	95%ile Vehicle Queue (Vehicle)	Queue % of available storage	Significant Impact?
#8 ACACIA AVENUE/ARTESIA BOULEVARD														
NBLT	Weekday AM	1696.85	50	2	3%	No	71	3	4%	No	53	3	3%	No
	Weekday PM	1696.85	78	4	5%	No	140	6	8%	No	81	4	5%	No
NBR	Weekday AM	1696.85	51	3	3%	No	62	3	4%	No	55	3	3%	No
	Weekday PM	1696.85	1027	42	61%	No	920	37	54%	No	1006	41	59%	No
#11 ALAMEDA STREET/SR-91 EB OFF-RAMP														
EBL	Weekday AM	1621.24	136	6	8%	No	153	7	9%	No	134	6	8%	No
	Weekday PM	1621.24	82	4	5%	No	117	5	7%	No	86	4	5%	No
EBR	Weekday AM	1621.24	88	4	5%	No	93	4	6%	No	87	4	5%	No
	Weekday PM	1621.24	47	2	3%	No	45	2	3%	No	47	2	3%	No

Based on the analyzed queues and measured ramp lengths, neither the Project nor the alternative would create significant queuing impacts. The 95th-percentile queue length never exceeds 59 percent of the ramp storage length under either post-project scenario. Therefore the off-ramp queues at Acacia Avenue and Alameda Street with Project and future baseline trips do not exceed the Caltrans threshold of significance. Significant off-ramp facility impacts would not occur due to either the Proposed Project or the Alternate Scenario.

The analysis worksheets related to analysis within this section are provided in Appendix I (future without-project conditions), Appendix J1 (future with Proposed Project conditions), and Appendix J2 (future with Alternate Scenario conditions).

APPENDIX A
Traffic Count Data

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Tamarind Avenue / Gateway Drive
E/W: Greenleaf Boulevard
Weather: Clear

File Name : CPTGAGRAM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Tamarind Avenue Southbound				Greenleaf Boulevard Westbound				Gateway Drive Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	2	11	8	21	5	63	3	71	18	6	5	29	3	44	35	82	203
07:15 AM	4	17	15	36	7	69	0	76	17	9	7	33	2	56	43	101	246
07:30 AM	3	14	23	40	10	84	3	97	23	8	4	35	2	57	49	108	280
07:45 AM	11	12	25	48	6	114	5	125	40	8	12	60	4	62	50	116	349
Total	20	54	71	145	28	330	11	369	98	31	28	157	11	219	177	407	1078
08:00 AM	2	20	18	40	12	75	6	93	32	6	10	48	12	59	43	114	295
08:15 AM	4	16	14	34	8	78	5	91	35	7	12	54	3	48	53	104	283
08:30 AM	9	17	7	33	11	61	3	75	46	4	17	67	3	56	59	118	293
08:45 AM	6	18	7	31	12	53	1	66	45	9	13	67	2	26	59	87	251
Total	21	71	46	138	43	267	15	325	158	26	52	236	20	189	214	423	1122
Grand Total	41	125	117	283	71	597	26	694	256	57	80	393	31	408	391	830	2200
Apprch %	14.5	44.2	41.3		10.2	86	3.7		65.1	14.5	20.4		3.7	49.2	47.1		
Total %	1.9	5.7	5.3	12.9	3.2	27.1	1.2	31.5	11.6	2.6	3.6	17.9	1.4	18.5	17.8	37.7	

	Tamarind Avenue Southbound				Greenleaf Boulevard Westbound				Gateway Drive Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	**11**	12	**25**	**48**	6	**114**	5	**125**	40	**8**	12	60	4	**62**	50	116	**349**
08:00 AM	2	**20**	18	40	**12**	75	**6**	93	32	6	10	48	**12**	59	43	114	295
08:15 AM	4	16	14	34	8	78	5	91	35	7	12	54	3	48	53	104	283
08:30 AM	9	17	7	33	11	61	3	75	**46**	4	**17**	**67**	3	56	**59**	**118**	293
Total Volume	26	65	64	155	37	328	19	384	153	25	51	229	22	225	205	452	1220
% App. Total	16.8	41.9	41.3		9.6	85.4	4.9		66.8	10.9	22.3		4.9	49.8	45.4		
PHF	.591	.813	.640	.807	.771	.719	.792	.768	.832	.781	.750	.854	.458	.907	.869	.958	.874

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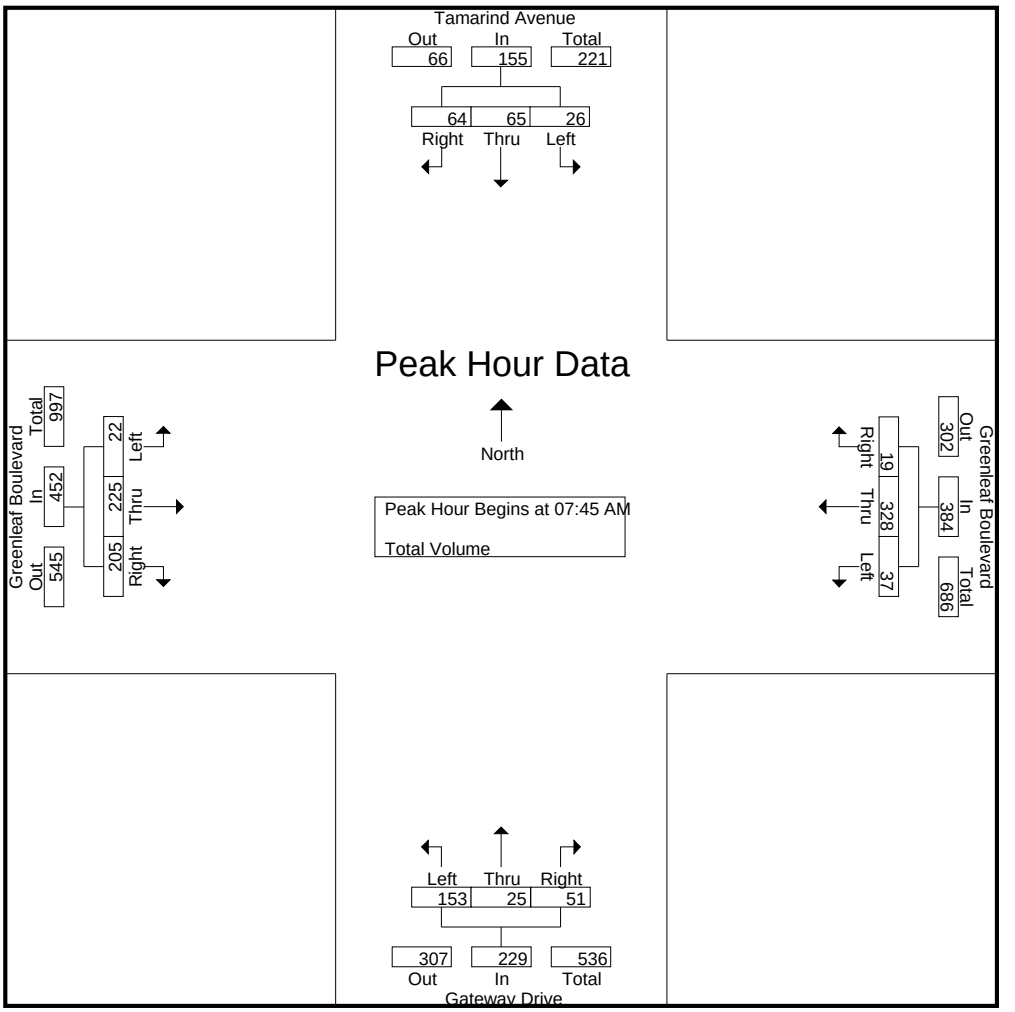
City of Compton
N/S: Tamarind Avenue / Gateway Drive
E/W: Greenleaf Boulevard
Weather: Clear

File Name : CPTGAGRAM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:15 AM				07:30 AM				08:00 AM				07:45 AM			
+0 mins.	4	17	15	36	10	84	3	97	32	6	10	48	4	**62**	50	116
+15 mins.	3	14	23	40	6	**114**	5	**125**	35	7	12	54	**12**	59	43	114
+30 mins.	**11**	12	**25**	**48**	**12**	75	**6**	93	**46**	4	**17**	**67**	3	48	53	104
+45 mins.	2	**20**	18	40	8	78	5	91	45	**9**	13	67	3	56	**59**	**118**
Total Volume	20	63	81	164	36	351	19	406	158	26	52	236	22	225	205	452
% App. Total	12.2	38.4	49.4		8.9	86.5	4.7		66.9	11	22		4.9	49.8	45.4	
PHF	.455	.788	.810	.854	.750	.770	.792	.812	.859	.722	.765	.881	.458	.907	.869	.958

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City of Compton
N/S: Tamarind Avenue / Gateway Drive
E/W: Greenleaf Boulevard
Weather: Clear

File Name : CPTGAGRPM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Tamarind Avenue Southbound				Greenleaf Boulevard Westbound				Gateway Drive Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	2	17	7	26	8	52	5	65	92	28	22	142	12	139	85	236	469
04:15 PM	6	20	3	29	9	50	6	65	93	23	35	151	9	125	97	231	476
04:30 PM	4	25	3	32	6	51	6	63	94	37	35	166	14	120	90	224	485
04:45 PM	2	23	12	37	5	59	6	70	76	34	30	140	21	121	100	242	489
Total	14	85	25	124	28	212	23	263	355	122	122	599	56	505	372	933	1919
05:00 PM	2	30	5	37	6	56	4	66	106	42	22	170	27	139	118	284	557
05:15 PM	4	24	6	34	8	45	9	62	86	35	19	140	16	147	128	291	527
05:30 PM	1	23	6	30	11	50	5	66	91	33	28	152	28	123	100	251	499
05:45 PM	4	31	7	42	8	58	11	77	97	30	29	156	17	125	95	237	512
Total	11	108	24	143	33	209	29	271	380	140	98	618	88	534	441	1063	2095
Grand Total	25	193	49	267	61	421	52	534	735	262	220	1217	144	1039	813	1996	4014
Apprch %	9.4	72.3	18.4		11.4	78.8	9.7		60.4	21.5	18.1		7.2	52.1	40.7		
Total %	0.6	4.8	1.2	6.7	1.5	10.5	1.3	13.3	18.3	6.5	5.5	30.3	3.6	25.9	20.3	49.7	

	Tamarind Avenue Southbound				Greenleaf Boulevard Westbound				Gateway Drive Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	2	30	5	37	6	56	4	66	**106**	**42**	22	**170**	27	139	118	284	**557**
05:15 PM	**4**	24	6	34	8	45	9	62	86	35	19	140	16	**147**	**128**	**291**	527
05:30 PM	1	23	6	30	**11**	50	5	66	91	33	28	152	**28**	123	100	251	499
05:45 PM	4	**31**	**7**	**42**	8	**58**	**11**	**77**	97	30	**29**	156	17	125	95	237	512
Total Volume	11	108	24	143	33	209	29	271	380	140	98	618	88	534	441	1063	2095
% App. Total	7.7	75.5	16.8		12.2	77.1	10.7		61.5	22.7	15.9		8.3	50.2	41.5		
PHF	.688	.871	.857	.851	.750	.901	.659	.880	.896	.833	.845	.909	.786	.908	.861	.913	.940

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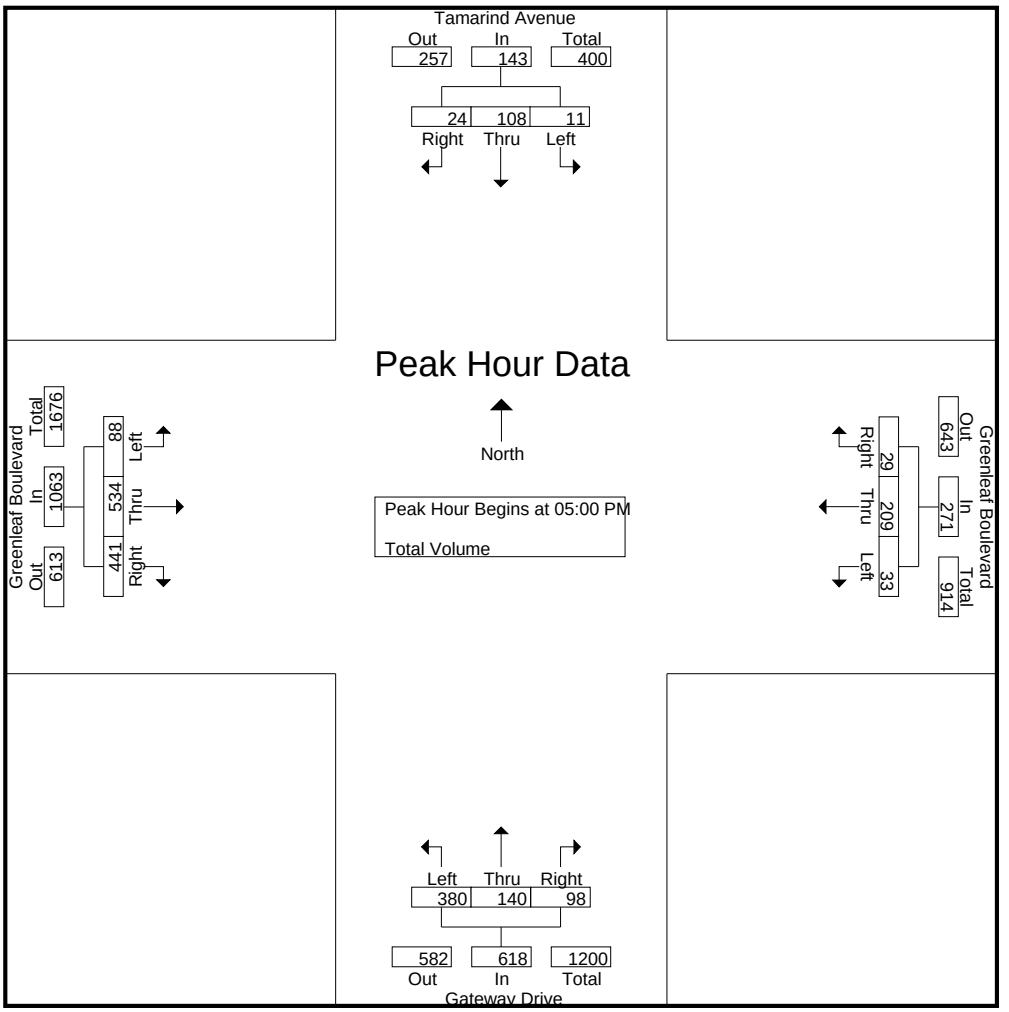
City of Compton
N/S: Tamarind Avenue / Gateway Drive
E/W: Greenleaf Boulevard
Weather: Clear

File Name : CPTGAGRPM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				04:15 PM				04:45 PM			
+0 mins.	2	30	5	37	6	56	4	66	93	23	**35**	151	21	121	100	242
+15 mins.	**4**	24	6	34	8	45	9	62	94	37	35	166	27	139	118	284
+30 mins.	1	23	6	30	**11**	50	5	66	76	34	30	140	16	**147**	**128**	**291**
+45 mins.	4	**31**	**7**	**42**	8	**58**	**11**	**77**	**106**	**42**	22	**170**	**28**	123	100	251
Total Volume	11	108	24	143	33	209	29	271	369	136	122	627	92	530	446	1068
% App. Total	7.7	75.5	16.8		12.2	77.1	10.7		58.9	21.7	19.5		8.6	49.6	41.8	
PHF	.688	.871	.857	.851	.750	.901	.659	.880	.870	.810	.871	.922	.821	.901	.871	.918

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Compton
N/S: Alameda Street West
E/W: Greenleaf Boulevard
Weather: Clear

File Name : CPTAWGRAM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Alameda Street West Southbound				Greenleaf Boulevard Westbound				Alameda Street West Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	9	99	13	121	36	54	5	95	11	67	24	102	2	26	25	53	371
07:15 AM	9	152	17	178	41	52	4	97	9	104	14	127	2	36	23	61	463
07:30 AM	10	124	12	146	61	83	8	152	8	65	25	98	5	36	24	65	461
07:45 AM	11	165	15	191	69	90	6	165	16	76	27	119	7	59	14	80	555
Total	39	540	57	636	207	279	23	509	44	312	90	446	16	157	86	259	1850
08:00 AM	16	156	7	179	67	76	13	156	12	82	21	115	3	51	12	66	516
08:15 AM	13	133	9	155	47	61	10	118	16	97	29	142	7	35	12	54	469
08:30 AM	12	110	10	132	39	52	5	96	11	71	27	109	9	40	29	78	415
08:45 AM	6	131	9	146	43	41	11	95	11	88	27	126	5	22	7	34	401
Total	47	530	35	612	196	230	39	465	50	338	104	492	24	148	60	232	1801
Grand Total	86	1070	92	1248	403	509	62	974	94	650	194	938	40	305	146	491	3651
Apprch %	6.9	85.7	7.4		41.4	52.3	6.4		10	69.3	20.7		8.1	62.1	29.7		
Total %	2.4	29.3	2.5	34.2	11	13.9	1.7	26.7	2.6	17.8	5.3	25.7	1.1	8.4	4	13.4	

	Alameda Street West Southbound				Greenleaf Boulevard Westbound				Alameda Street West Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	10	124	12	146	61	83	8	152	8	65	25	98	5	36	**24**	65	461
07:45 AM	11	**165**	**15**	**191**	**69**	**90**	6	**165**	**16**	76	27	119	**7**	**59**	14	**80**	**555**
08:00 AM	**16**	156	7	179	67	76	**13**	156	12	82	21	115	3	51	12	66	516
08:15 AM	13	133	9	155	47	61	10	118	16	**97**	**29**	**142**	7	35	12	54	469
Total Volume	50	578	43	671	244	310	37	591	52	320	102	474	22	181	62	265	2001
% App. Total	7.5	86.1	6.4		41.3	52.5	6.3		11	67.5	21.5		8.3	68.3	23.4		
PHF	.781	.876	.717	.878	.884	.861	.712	.895	.813	.825	.879	.835	.786	.767	.646	.828	.901

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City of Compton
N/S: Alameda Street West
E/W: Greenleaf Boulevard
Weather: Clear

File Name : CPTAWGRAM
Site Code : 04119405
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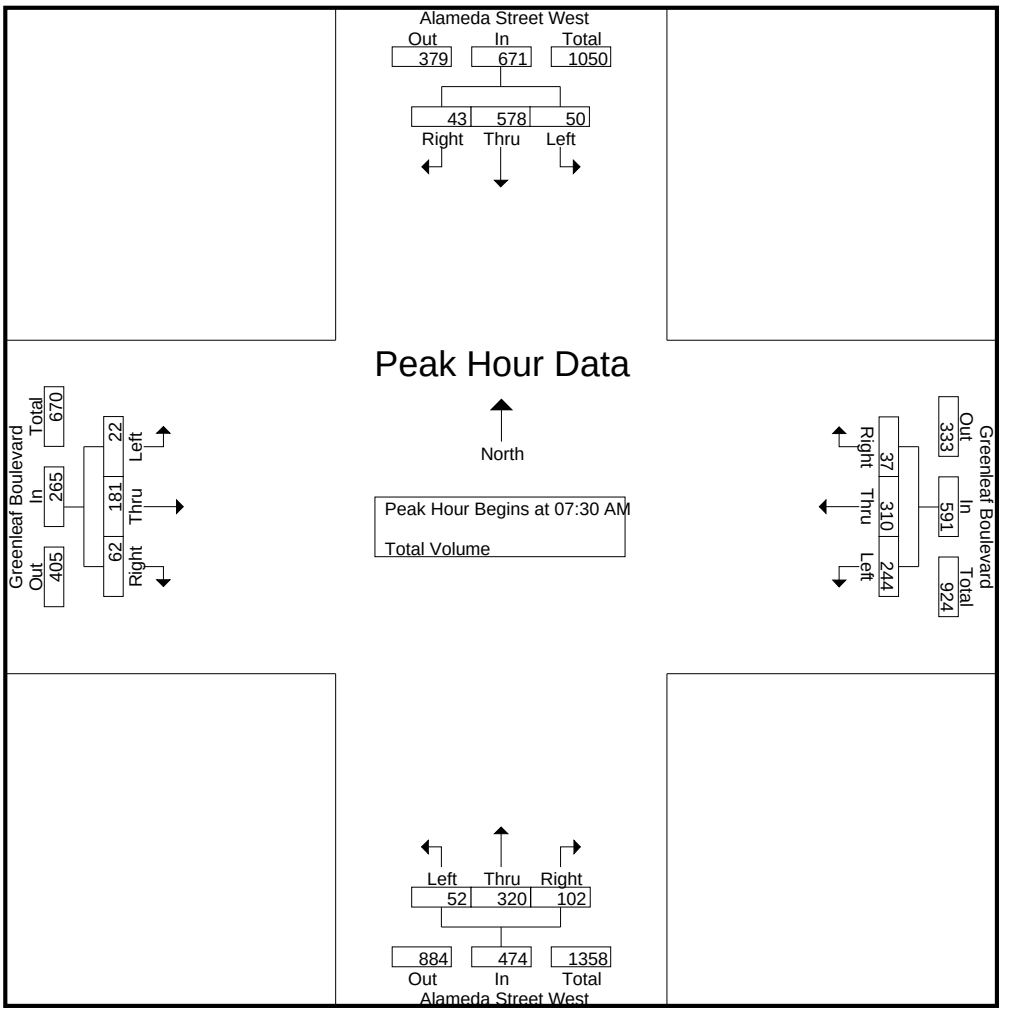

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:15 AM				07:30 AM				08:00 AM				07:45 AM			
+0 mins.	9	152	**17**	178	61	83	8	152	12	82	21	115	7	**59**	14	**80**
+15 mins.	10	124	12	146	**69**	**90**	6	**165**	**16**	**97**	**29**	**142**	3	51	12	66
+30 mins.	11	**165**	15	**191**	67	76	**13**	156	11	71	27	109	7	35	12	54
+45 mins.	**16**	156	7	179	47	61	10	118	11	88	27	126	**9**	40	**29**	78
Total Volume	46	597	51	694	244	310	37	591	50	338	104	492	26	185	67	278
% App. Total	6.6	86	7.3		41.3	52.5	6.3		10.2	68.7	21.1		9.4	66.5	24.1	
PHF	.719	.905	.750	.908	.884	.861	.712	.895	.781	.871	.897	.866	.722	.784	.578	.869

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City of Compton
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File Name : CPTAWGRPM
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Groups Printed- Total Volume

	Alameda Street West Southbound				Greenleaf Boulevard Westbound				Alameda Street West Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	16	128	4	148	64	40	8	112	16	127	61	204	13	98	16	127	591
04:15 PM	16	134	4	154	72	51	14	137	12	110	55	177	17	112	20	149	617
04:30 PM	19	134	6	159	44	46	9	99	6	107	55	168	15	112	21	148	574
04:45 PM	29	131	7	167	70	42	11	123	15	129	71	215	8	107	13	128	633
Total	80	527	21	628	250	179	42	471	49	473	242	764	53	429	70	552	2415
05:00 PM	28	127	6	161	53	44	16	113	18	102	46	166	18	148	11	177	617
05:15 PM	22	158	8	188	36	33	13	82	14	151	56	221	16	122	16	154	645
05:30 PM	33	128	4	165	60	46	12	118	11	147	67	225	7	118	15	140	648
05:45 PM	15	117	9	141	44	47	6	97	15	111	71	197	15	136	15	166	601
Total	98	530	27	655	193	170	47	410	58	511	240	809	56	524	57	637	2511
Grand Total	178	1057	48	1283	443	349	89	881	107	984	482	1573	109	953	127	1189	4926
Apprch %	13.9	82.4	3.7		50.3	39.6	10.1		6.8	62.6	30.6		9.2	80.2	10.7		
Total %	3.6	21.5	1	26	9	7.1	1.8	17.9	2.2	20	9.8	31.9	2.2	19.3	2.6	24.1	

	Alameda Street West Southbound				Greenleaf Boulevard Westbound				Alameda Street West Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	29	131	7	167	**70**	42	11	**123**	15	129	**71**	215	8	107	13	128	633
05:00 PM	28	127	6	161	53	44	**16**	113	**18**	102	46	166	**18**	**148**	11	**177**	617
05:15 PM	22	**158**	**8**	**188**	36	33	13	82	14	**151**	56	221	16	122	**16**	154	645
05:30 PM	**33**	128	4	165	60	**46**	12	118	11	147	67	**225**	7	118	15	140	**648**
Total Volume	112	544	25	681	219	165	52	436	58	529	240	827	49	495	55	599	2543
% App. Total	16.4	79.9	3.7		50.2	37.8	11.9		7	64	29		8.2	82.6	9.2		
PHF	.848	.861	.781	.906	.782	.897	.813	.886	.806	.876	.845	.919	.681	.836	.859	.846	.981

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File Name : CPTAWGRPM
Site Code : 04119405
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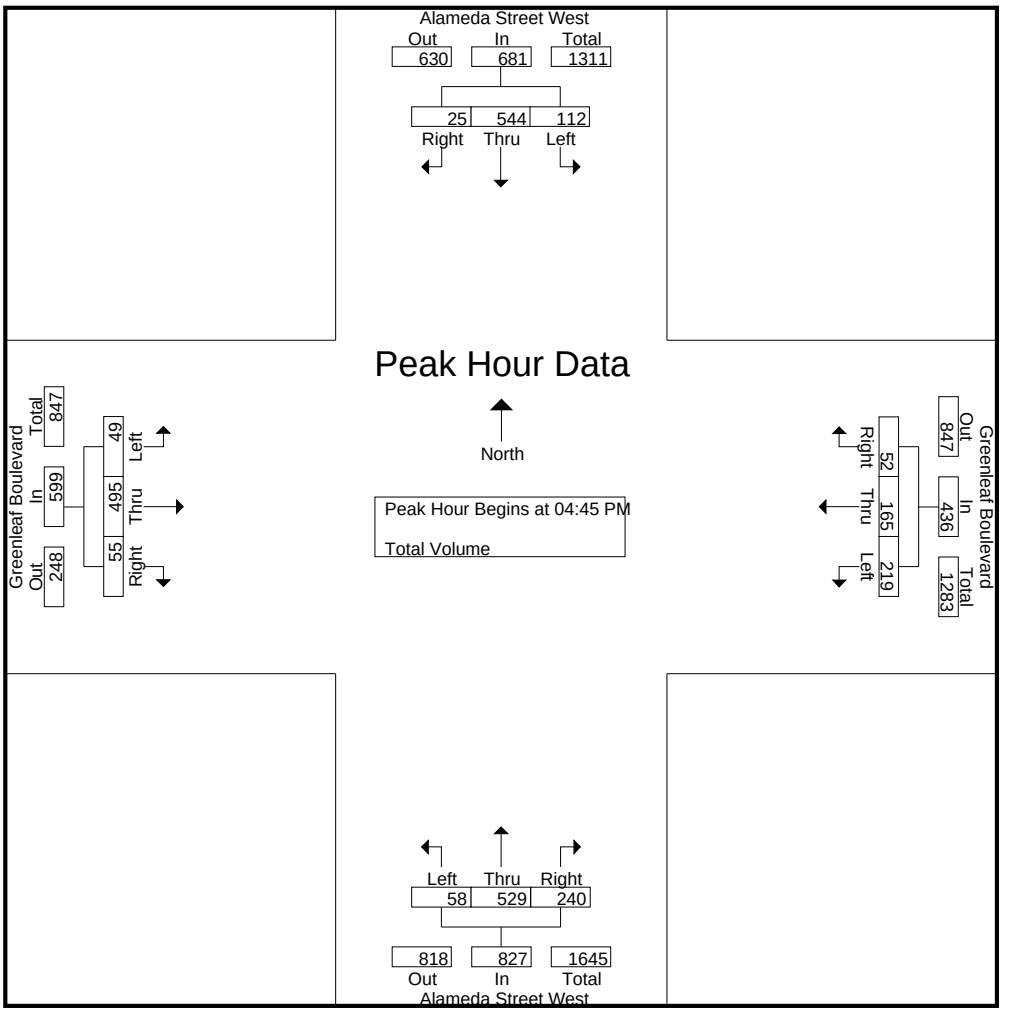

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:45 PM				04:15 PM				04:45 PM				05:00 PM			
+0 mins.	29	131	7	167	**72**	**51**	14	**137**	15	129	**71**	215	**18**	**148**	11	**177**
+15 mins.	28	127	6	161	44	46	9	99	**18**	102	46	166	16	122	**16**	154
+30 mins.	22	**158**	**8**	**188**	70	42	11	123	14	**151**	56	221	7	118	15	140
+45 mins.	**33**	128	4	165	53	44	**16**	113	11	147	67	**225**	15	136	15	166
Total Volume	112	544	25	681	239	183	50	472	58	529	240	827	56	524	57	637
% App. Total	16.4	79.9	3.7		50.6	38.8	10.6		7	64	29		8.8	82.3	8.9	
PHF	.848	.861	.781	.906	.830	.897	.781	.861	.806	.876	.845	.919	.778	.885	.891	.900

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City of Compton
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Weather: Clear

File Name : CPTAEGRAM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Alameda Street East Southbound				Greenleaf Boulevard Westbound				Alameda Street East Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	1	3	28	32	0	64	5	69	3	1	0	4	13	41	5	59	164
07:15 AM	2	5	22	29	1	70	2	73	5	3	0	8	6	47	6	59	169
07:30 AM	1	2	37	40	0	113	7	120	2	0	0	2	13	55	3	71	233
07:45 AM	3	1	53	57	0	109	4	113	3	2	1	6	14	79	4	97	273
Total	7	11	140	158	1	356	18	375	13	6	1	20	46	222	18	286	839
08:00 AM	3	0	26	29	0	128	7	135	2	3	1	6	11	71	6	88	258
08:15 AM	2	3	23	28	1	91	3	95	4	2	3	9	4	72	1	77	209
08:30 AM	1	2	24	27	0	72	3	75	0	1	0	1	11	63	5	79	182
08:45 AM	0	3	13	16	1	76	2	79	6	1	1	8	10	41	4	55	158
Total	6	8	86	100	2	367	15	384	12	7	5	24	36	247	16	299	807
Grand Total	13	19	226	258	3	723	33	759	25	13	6	44	82	469	34	585	1646
Apprch %	5	7.4	87.6		0.4	95.3	4.3		56.8	29.5	13.6		14	80.2	5.8		
Total %	0.8	1.2	13.7	15.7	0.2	43.9	2	46.1	1.5	0.8	0.4	2.7	5	28.5	2.1	35.5	

	Alameda Street East Southbound				Greenleaf Boulevard Westbound				Alameda Street East Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	1	2	37	40	0	113	**7**	120	2	0	0	2	13	55	3	71	233
07:45 AM	**3**	1	**53**	**57**	0	109	4	113	3	2	1	6	**14**	**79**	4	**97**	**273**
08:00 AM	3	0	26	29	0	**128**	7	**135**	2	**3**	1	6	11	71	**6**	88	258
08:15 AM	2	**3**	23	28	**1**	91	3	95	**4**	2	**3**	**9**	4	72	1	77	209
Total Volume	9	6	139	154	1	441	21	463	11	7	5	23	42	277	14	333	973
% App. Total	5.8	3.9	90.3		0.2	95.2	4.5		47.8	30.4	21.7		12.6	83.2	4.2		
PHF	.750	.500	.656	.675	.250	.861	.750	.857	.688	.583	.417	.639	.750	.877	.583	.858	.891

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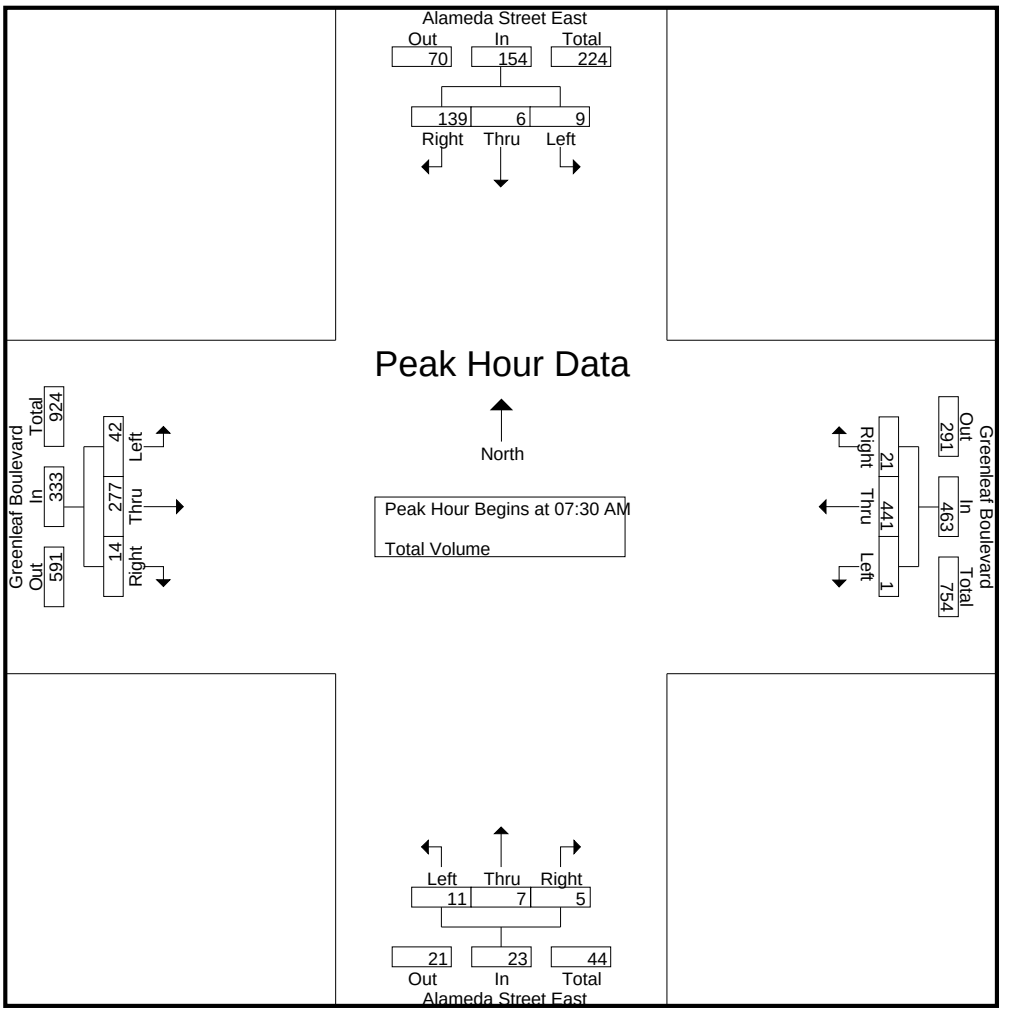

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:30 AM				08:00 AM				07:45 AM			
+0 mins.	1	3	28	32	0	113	**7**	120	2	**3**	1	6	**14**	**79**	4	**97**
+15 mins.	2	**5**	22	29	0	109	4	113	4	2	**3**	**9**	11	71	**6**	88
+30 mins.	1	2	37	40	0	**128**	7	**135**	0	1	0	1	4	72	1	77
+45 mins.	**3**	1	**53**	**57**	**1**	91	3	95	**6**	1	1	8	11	63	5	79
Total Volume	7	11	140	158	1	441	21	463	12	7	5	24	40	285	16	341
% App. Total	4.4	7	88.6		0.2	95.2	4.5		50	29.2	20.8		11.7	83.6	4.7	
PHF	.583	.550	.660	.693	.250	.861	.750	.857	.500	.583	.417	.667	.714	.902	.667	.879

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City of Compton
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File Name : CPTAEGRPM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Alameda Street East Southbound				Greenleaf Boulevard Westbound				Alameda Street East Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	5	2	25	32	1	80	4	85	7	2	0	9	14	157	4	175	301
04:15 PM	4	3	21	28	2	109	3	114	7	5	1	13	14	167	2	183	338
04:30 PM	6	2	15	23	1	75	5	81	9	5	1	15	21	161	4	186	305
04:45 PM	4	3	25	32	1	95	4	100	3	4	1	8	21	184	2	207	347
Total	19	10	86	115	5	359	16	380	26	16	3	45	70	669	12	751	1291
05:00 PM	4	4	27	35	0	79	3	82	7	2	2	11	11	207	4	222	350
05:15 PM	11	1	16	28	0	56	3	59	10	8	0	18	17	183	0	200	305
05:30 PM	4	1	22	27	3	89	2	94	7	5	0	12	8	207	3	218	351
05:45 PM	2	2	21	25	1	69	8	78	7	2	3	12	15	206	1	222	337
Total	21	8	86	115	4	293	16	313	31	17	5	53	51	803	8	862	1343
Grand Total	40	18	172	230	9	652	32	693	57	33	8	98	121	1472	20	1613	2634
Apprch %	17.4	7.8	74.8		1.3	94.1	4.6		58.2	33.7	8.2		7.5	91.3	1.2		
Total %	1.5	0.7	6.5	8.7	0.3	24.8	1.2	26.3	2.2	1.3	0.3	3.7	4.6	55.9	0.8	61.2	

	Alameda Street East Southbound				Greenleaf Boulevard Westbound				Alameda Street East Northbound				Greenleaf Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	4	3	25	32	1	**95**	**4**	**100**	3	4	1	8	**21**	184	2	207	347
05:00 PM	4	**4**	**27**	**35**	0	79	3	82	7	2	**2**	11	11	**207**	**4**	**222**	350
05:15 PM	**11**	1	16	28	0	56	3	59	**10**	**8**	0	**18**	17	183	0	200	305
05:30 PM	4	1	22	27	**3**	89	2	94	7	5	0	12	8	207	3	218	**351**
Total Volume	23	9	90	122	4	319	12	335	27	19	3	49	57	781	9	847	1353
% App. Total	18.9	7.4	73.8		1.2	95.2	3.6		55.1	38.8	6.1		6.7	92.2	1.1		
PHF	.523	.563	.833	.871	.333	.839	.750	.838	.675	.594	.375	.681	.679	.943	.563	.954	.964

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File Name : CPTAEGRPM
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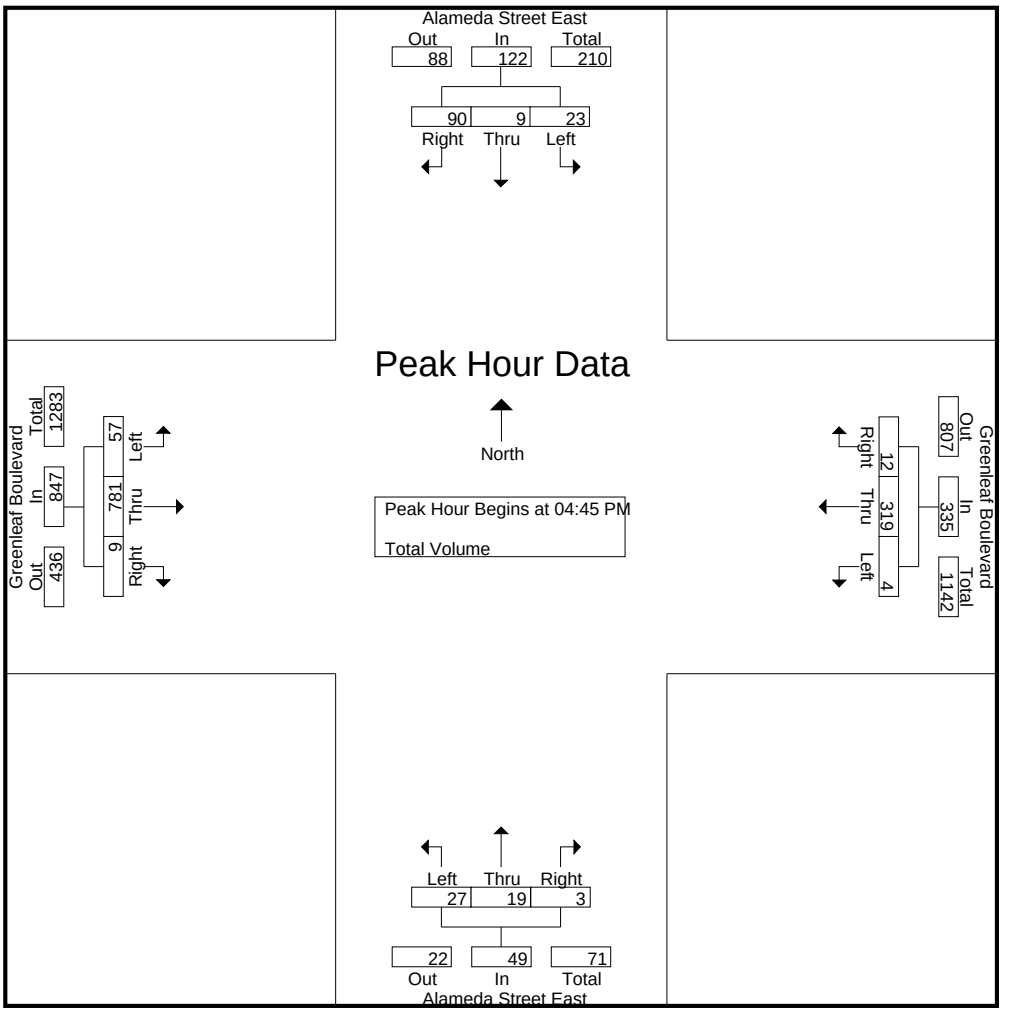

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:45 PM				04:00 PM				05:00 PM				05:00 PM			
+0 mins.	4	3	25	32	1	80	4	85	7	2	2	11	11	**207**	**4**	**222**
+15 mins.	4	**4**	**27**	**35**	**2**	**109**	3	**114**	**10**	**8**	0	**18**	**17**	183	0	200
+30 mins.	**11**	1	16	28	1	75	**5**	81	7	5	0	12	8	207	3	218
+45 mins.	4	1	22	27	1	95	4	100	7	2	**3**	12	15	206	1	222
Total Volume	23	9	90	122	5	359	16	380	31	17	5	53	51	803	8	862
% App. Total	18.9	7.4	73.8		1.3	94.5	4.2		58.5	32.1	9.4		5.9	93.2	0.9	
PHF	.523	.563	.833	.871	.625	.823	.800	.833	.775	.531	.417	.736	.750	.970	.500	.971

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City of Compton
N/S: Wilmington Avenue
E/W: Walnut Street
Weather: Clear

File Name : CPTWIWAAM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Wilmington Avenue Southbound				Walnut Street Westbound				Wilmington Avenue Northbound				Walnut Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	6	239	12	257	6	16	3	25	8	100	10	118	7	5	8	20	420
07:15 AM	9	256	9	274	5	25	7	37	7	97	6	110	7	14	6	27	448
07:30 AM	11	302	19	332	5	18	8	31	12	130	7	149	3	2	9	14	526
07:45 AM	9	307	48	364	5	27	9	41	23	144	9	176	8	13	20	41	622
Total	35	1104	88	1227	21	86	27	134	50	471	32	553	25	34	43	102	2016
08:00 AM	6	222	13	241	6	22	7	35	16	144	4	164	3	9	14	26	466
08:15 AM	2	217	13	232	4	20	3	27	16	137	8	161	6	10	11	27	447
08:30 AM	1	222	14	237	5	13	9	27	9	137	5	151	7	8	13	28	443
08:45 AM	2	195	17	214	9	16	10	35	16	137	8	161	5	9	20	34	444
Total	11	856	57	924	24	71	29	124	57	555	25	637	21	36	58	115	1800
Grand Total	46	1960	145	2151	45	157	56	258	107	1026	57	1190	46	70	101	217	3816
Apprch %	2.1	91.1	6.7		17.4	60.9	21.7		9	86.2	4.8		21.2	32.3	46.5		
Total %	1.2	51.4	3.8	56.4	1.2	4.1	1.5	6.8	2.8	26.9	1.5	31.2	1.2	1.8	2.6	5.7	

	Wilmington Avenue Southbound				Walnut Street Westbound				Wilmington Avenue Northbound				Walnut Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	9	256	9	274	5	25	7	37	7	97	6	110	7	**14**	6	27	448
07:30 AM	**11**	302	19	332	5	18	8	31	12	130	7	149	3	2	9	14	526
07:45 AM	9	**307**	**48**	**364**	5	**27**	**9**	**41**	**23**	**144**	**9**	**176**	**8**	13	**20**	**41**	**622**
08:00 AM	6	222	13	241	**6**	22	7	35	16	144	4	164	3	9	14	26	466
Total Volume	35	1087	89	1211	21	92	31	144	58	515	26	599	21	38	49	108	2062
% App. Total	2.9	89.8	7.3		14.6	63.9	21.5		9.7	86	4.3		19.4	35.2	45.4		
PHF	.795	.885	.464	.832	.875	.852	.861	.878	.630	.894	.722	.851	.656	.679	.613	.659	.829

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City of Compton
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E/W: Walnut Street
Weather: Clear

File Name : CPTWIWAAM
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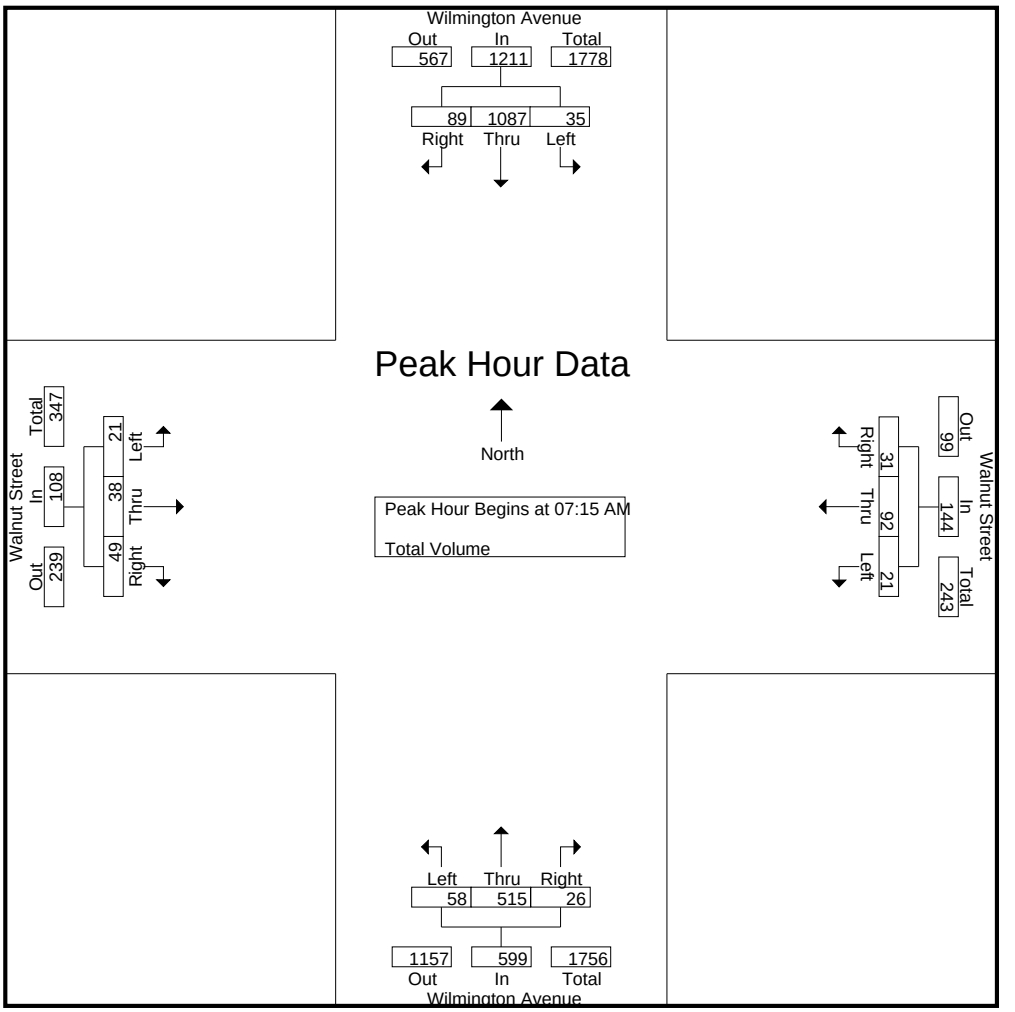

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:15 AM				07:45 AM				07:45 AM			
+0 mins.	6	239	12	257	5	25	7	37	**23**	**144**	**9**	**176**	**8**	**13**	**20**	**41**
+15 mins.	9	256	9	274	5	18	8	31	16	144	4	164	3	9	14	26
+30 mins.	**11**	302	19	332	5	**27**	**9**	**41**	16	137	8	161	6	10	11	27
+45 mins.	9	**307**	**48**	**364**	**6**	22	7	35	9	137	5	151	7	8	13	28
Total Volume	35	1104	88	1227	21	92	31	144	64	562	26	652	24	40	58	122
% App. Total	2.9	90	7.2		14.6	63.9	21.5		9.8	86.2	4		19.7	32.8	47.5	
PHF	.795	.899	.458	.843	.875	.852	.861	.878	.696	.976	.722	.926	.750	.769	.725	.744

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City of Compton
N/S: Wilmington Avenue
E/W: Walnut Street
Weather: Clear

File Name : CPTWIWAPM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Wilmington Avenue Southbound				Walnut Street Westbound				Wilmington Avenue Northbound				Walnut Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	10	175	6	191	6	12	10	28	15	237	14	266	26	102	25	153	638
04:15 PM	17	139	6	162	4	12	11	27	16	244	14	274	19	132	31	182	645
04:30 PM	9	171	3	183	8	11	17	36	15	288	11	314	43	124	45	212	745
04:45 PM	6	142	13	161	10	8	16	34	7	254	10	271	41	137	40	218	684
Total	42	627	28	697	28	43	54	125	53	1023	49	1125	129	495	141	765	2712
05:00 PM	8	138	6	152	13	13	24	50	4	314	20	338	35	125	46	206	746
05:15 PM	15	131	7	153	9	11	13	33	8	336	17	361	22	125	47	194	741
05:30 PM	15	160	9	184	5	6	13	24	6	299	11	316	34	143	32	209	733
05:45 PM	8	157	1	166	14	8	10	32	10	299	14	323	35	127	47	209	730
Total	46	586	23	655	41	38	60	139	28	1248	62	1338	126	520	172	818	2950
Grand Total	88	1213	51	1352	69	81	114	264	81	2271	111	2463	255	1015	313	1583	5662
Apprch %	6.5	89.7	3.8		26.1	30.7	43.2		3.3	92.2	4.5		16.1	64.1	19.8		
Total %	1.6	21.4	0.9	23.9	1.2	1.4	2	4.7	1.4	40.1	2	43.5	4.5	17.9	5.5	28	

	Wilmington Avenue Southbound				Walnut Street Westbound				Wilmington Avenue Northbound				Walnut Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	8	138	6	152	13	**13**	**24**	**50**	4	314	**20**	338	**35**	125	46	206	**746**
05:15 PM	**15**	131	7	153	9	11	13	33	8	**336**	17	**361**	22	125	**47**	194	741
05:30 PM	15	**160**	**9**	**184**	5	6	13	24	6	299	11	316	34	**143**	32	**209**	733
05:45 PM	8	157	1	166	**14**	8	10	32	**10**	299	14	323	35	127	47	209	730
Total Volume	46	586	23	655	41	38	60	139	28	1248	62	1338	126	520	172	818	2950
% App. Total	7	89.5	3.5		29.5	27.3	43.2		2.1	93.3	4.6		15.4	63.6	21		
PHF	.767	.916	.639	.890	.732	.731	.625	.695	.700	.929	.775	.927	.900	.909	.915	.978	.989

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City of Compton
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Weather: Clear

File Name : CPTWIWAPM
Site Code : 04119405
Start Date : 6/6/2019
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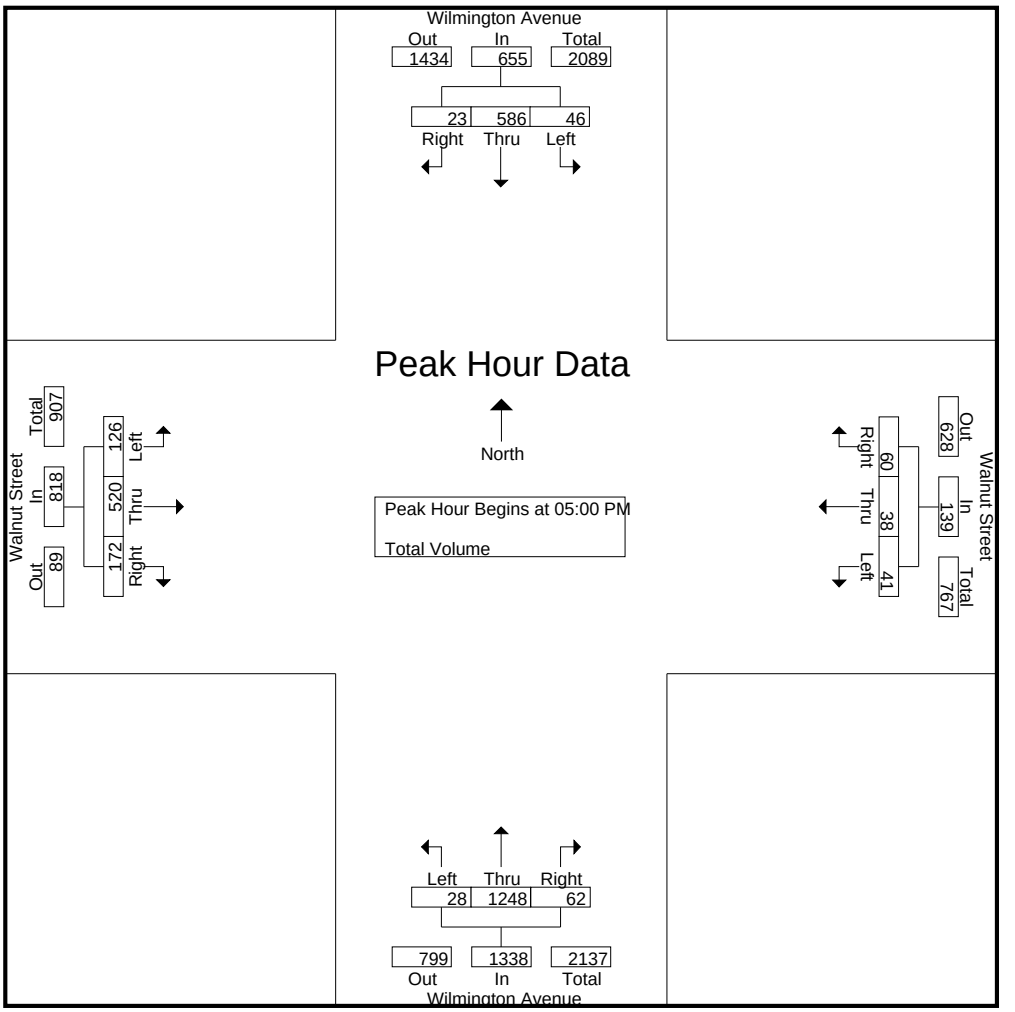

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:30 PM				05:00 PM				04:30 PM			
+0 mins.	10	**175**	6	**191**	8	11	17	36	4	314	**20**	338	**43**	124	45	212
+15 mins.	**17**	139	6	162	10	8	16	34	8	**336**	17	**361**	41	**137**	40	**218**
+30 mins.	9	171	3	183	**13**	**13**	**24**	**50**	6	299	11	316	35	125	46	206
+45 mins.	6	142	**13**	161	9	11	13	33	**10**	299	14	323	22	125	**47**	194
Total Volume	42	627	28	697	40	43	70	153	28	1248	62	1338	141	511	178	830
% App. Total	6	90	4		26.1	28.1	45.8		2.1	93.3	4.6		17	61.6	21.4	
PHF	.618	.896	.538	.912	.769	.827	.729	.765	.700	.929	.775	.927	.820	.932	.947	.952

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City of Compton
N/S: Acacia Court
E/W: Walnut St/Artesia Station Driveway
Weather: Clear

File Name : CPTACWAAM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Acacia Court Southbound				Artesia Station Driveway Westbound				Acacia Court Northbound				Walnut Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	1	6	0	7	9	2	1	12	28	18	10	56	0	2	5	7	82
07:15 AM	0	7	1	8	10	2	0	12	44	16	12	72	0	5	9	14	106
07:30 AM	1	12	1	14	11	3	0	14	33	21	8	62	2	1	8	11	101
07:45 AM	0	11	2	13	6	4	0	10	52	20	9	81	0	2	10	12	116
Total	2	36	4	42	36	11	1	48	157	75	39	271	2	10	32	44	405
08:00 AM	0	6	1	7	8	3	0	11	32	17	12	61	0	2	11	13	92
08:15 AM	1	3	1	5	9	2	0	11	28	20	7	55	2	2	12	16	87
08:30 AM	0	13	0	13	8	4	0	12	29	28	8	65	1	0	10	11	101
08:45 AM	0	8	3	11	5	3	1	9	30	19	9	58	1	4	7	12	90
Total	1	30	5	36	30	12	1	43	119	84	36	239	4	8	40	52	370
Grand Total	3	66	9	78	66	23	2	91	276	159	75	510	6	18	72	96	775
Apprch %	3.8	84.6	11.5		72.5	25.3	2.2		54.1	31.2	14.7		6.2	18.8	75		
Total %	0.4	8.5	1.2	10.1	8.5	3	0.3	11.7	35.6	20.5	9.7	65.8	0.8	2.3	9.3	12.4	

	Acacia Court Southbound				Artesia Station Driveway Westbound				Acacia Court Northbound				Walnut Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	7	1	8	10	2	0	12	44	16	**12**	72	0	**5**	9	**14**	106
07:30 AM	**1**	**12**	1	**14**	**11**	3	0	**14**	33	**21**	8	62	**2**	1	8	11	101
07:45 AM	0	11	**2**	13	6	**4**	0	10	**52**	20	9	**81**	0	2	10	12	**116**
08:00 AM	0	6	1	7	8	3	0	11	32	17	12	61	0	2	**11**	13	92
Total Volume	1	36	5	42	35	12	0	47	161	74	41	276	2	10	38	50	415
% App. Total	2.4	85.7	11.9		74.5	25.5	0		58.3	26.8	14.9		4	20	76		
PHF	.250	.750	.625	.750	.795	.750	.000	.839	.774	.881	.854	.852	.250	.500	.864	.893	.894

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City of Compton
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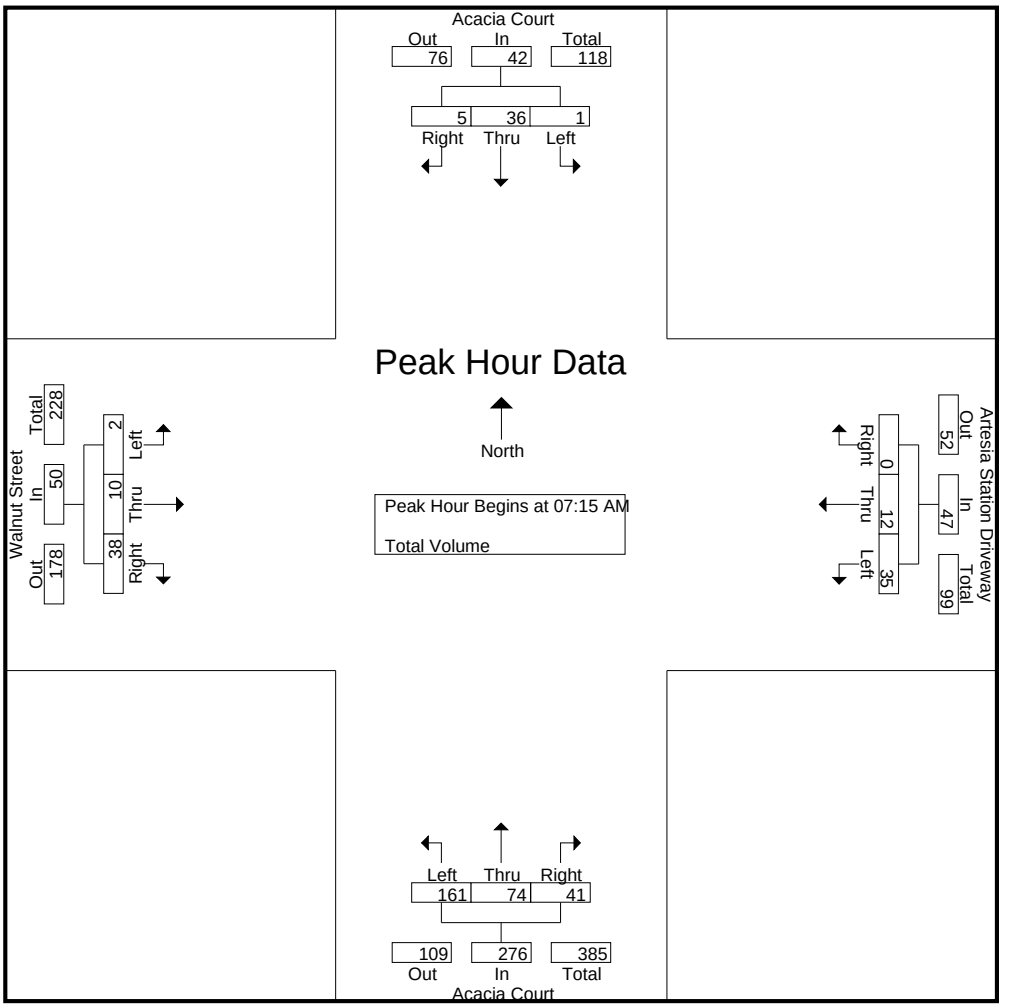
E/W: Walnut St/Artesia Station Driveway
Weather: Clear

File Name : CPTACWAAM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:15 AM				07:30 AM			
+0 mins.	**1**	6	0	7	9	2	**1**	12	44	16	**12**	72	**2**	1	8	11
+15 mins.	0	7	1	8	10	2	0	12	33	**21**	8	62	0	**2**	10	12
+30 mins.	1	**12**	1	**14**	**11**	3	0	**14**	**52**	20	9	**81**	0	2	11	13
+45 mins.	0	11	**2**	13	6	**4**	0	10	32	17	12	61	2	2	**12**	**16**
Total Volume	2	36	4	42	36	11	1	48	161	74	41	276	4	7	41	52
% App. Total	4.8	85.7	9.5		75	22.9	2.1		58.3	26.8	14.9		7.7	13.5	78.8	
PHF	.500	.750	.500	.750	.818	.688	.250	.857	.774	.881	.854	.852	.500	.875	.854	.813

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City of Compton
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E/W: Walnut St/Artesia Station Driveway
Weather: Clear

File Name : CPTACWAPM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Acacia Court Southbound				Artesia Station Driveway Westbound				Acacia Court Northbound				Walnut Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	1	18	2	21	14	2	3	19	11	7	15	33	2	5	117	124	197
04:15 PM	0	17	2	19	13	3	0	16	20	16	6	42	5	5	152	162	239
04:30 PM	2	24	0	26	15	3	2	20	23	13	13	49	4	4	141	149	244
04:45 PM	1	20	2	23	11	2	0	13	18	19	5	42	1	5	134	140	218
Total	4	79	6	89	53	10	5	68	72	55	39	166	12	19	544	575	898
05:00 PM	1	21	2	24	12	5	2	19	20	16	10	46	1	7	127	135	224
05:15 PM	3	14	2	19	12	3	1	16	14	14	8	36	2	6	139	147	218
05:30 PM	1	20	2	23	12	8	2	22	8	12	9	29	2	7	152	161	235
05:45 PM	0	24	1	25	12	5	1	18	15	20	13	48	3	3	142	148	239
Total	5	79	7	91	48	21	6	75	57	62	40	159	8	23	560	591	916
Grand Total	9	158	13	180	101	31	11	143	129	117	79	325	20	42	1104	1166	1814
Apprch %	5	87.8	7.2		70.6	21.7	7.7		39.7	36	24.3		1.7	3.6	94.7		
Total %	0.5	8.7	0.7	9.9	5.6	1.7	0.6	7.9	7.1	6.4	4.4	17.9	1.1	2.3	60.9	64.3	

	Acacia Court Southbound				Artesia Station Driveway Westbound				Acacia Court Northbound				Walnut Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	17	**2**	19	13	3	0	16	20	16	6	42	**5**	5	**152**	**162**	239
04:30 PM	**2**	**24**	0	**26**	**15**	3	**2**	**20**	**23**	13	**13**	**49**	4	4	141	149	**244**
04:45 PM	1	20	2	23	11	2	0	13	18	**19**	5	42	1	5	134	140	218
05:00 PM	1	21	2	24	12	**5**	2	19	20	16	10	46	1	**7**	127	135	224
Total Volume	4	82	6	92	51	13	4	68	81	64	34	179	11	21	554	586	925
% App. Total	4.3	89.1	6.5		75	19.1	5.9		45.3	35.8	19		1.9	3.6	94.5		
PHF	.500	.854	.750	.885	.850	.650	.500	.850	.880	.842	.654	.913	.550	.750	.911	.904	.948

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City of Compton
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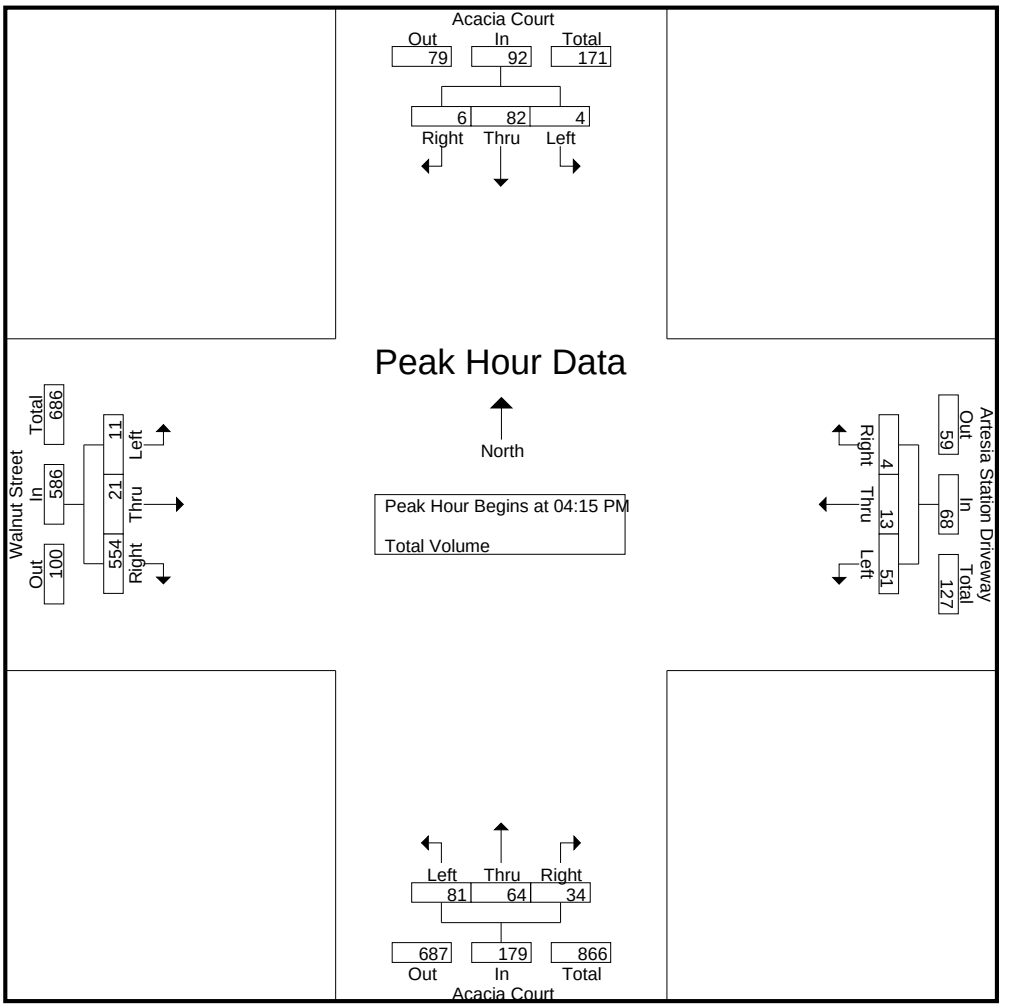
E/W: Walnut St/Artesia Station Driveway
Weather: Clear

File Name : CPTACWAPM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM				05:00 PM				04:15 PM				05:00 PM			
+0 mins.	0	17	**2**	19	**12**	5	**2**	19	20	16	6	42	1	**7**	127	135
+15 mins.	**2**	**24**	0	**26**	12	3	1	16	**23**	13	**13**	**49**	2	6	139	147
+30 mins.	1	20	2	23	12	**8**	2	**22**	18	**19**	5	42	2	7	**152**	**161**
+45 mins.	1	21	2	24	12	5	1	18	20	16	10	46	**3**	3	142	148
Total Volume	4	82	6	92	48	21	6	75	81	64	34	179	8	23	560	591
% App. Total	4.3	89.1	6.5		64	28	8		45.3	35.8	19		1.4	3.9	94.8	
PHF	.500	.854	.750	.885	1.000	.656	.750	.852	.880	.842	.654	.913	.667	.821	.921	.918

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City of Compton
N/S: Alameda Street
E/W: Towne Center
Weather: Clear

File Name : CPTALTCAM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Alameda Street Southbound			Alameda Street Northbound			Towne Center Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
07:00 AM	151	7	158	7	98	105	7	17	24	287
07:15 AM	193	19	212	13	103	116	7	30	37	365
07:30 AM	220	7	227	6	115	121	4	20	24	372
07:45 AM	235	12	247	14	107	121	15	21	36	404
Total	799	45	844	40	423	463	33	88	121	1428
08:00 AM	211	9	220	16	105	121	16	16	32	373
08:15 AM	161	8	169	8	122	130	11	10	21	320
08:30 AM	168	13	181	8	115	123	14	19	33	337
08:45 AM	142	11	153	18	124	142	16	26	42	337
Total	682	41	723	50	466	516	57	71	128	1367
Grand Total	1481	86	1567	90	889	979	90	159	249	2795
Apprch %	94.5	5.5		9.2	90.8		36.1	63.9		
Total %	53	3.1	56.1	3.2	31.8	35	3.2	5.7	8.9	

	Alameda Street Southbound			Alameda Street Northbound			Towne Center Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:15 AM										
07:15 AM	193	**19**	212	13	103	116	7	**30**	**37**	365
07:30 AM	220	7	227	6	**115**	**121**	4	20	24	372
07:45 AM	**235**	12	**247**	14	107	121	15	21	36	**404**
08:00 AM	211	9	220	**16**	105	121	**16**	16	32	373
Total Volume	859	47	906	49	430	479	42	87	129	1514
% App. Total	94.8	5.2		10.2	89.8		32.6	67.4		
PHF	.914	.618	.917	.766	.935	.990	.656	.725	.872	.937

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City of Compton
N/S: Alameda Street
E/W: Towne Center
Weather: Clear

File Name : CPTALTCAM
Site Code : 04119405
Start Date : 6/6/2019
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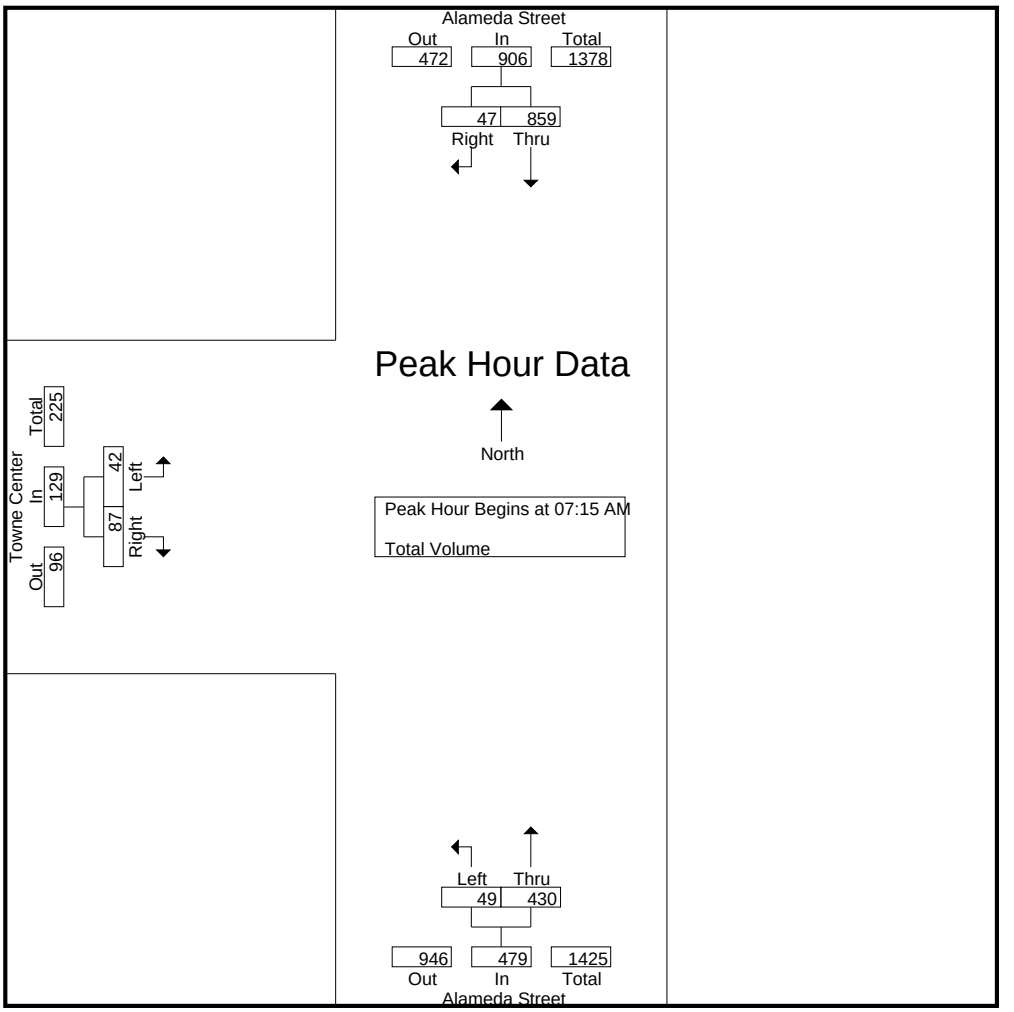

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:15 AM			08:00 AM			07:15 AM		
+0 mins.	193	**19**	212	16	105	121	7	**30**	**37**
+15 mins.	220	7	227	8	122	130	4	20	24
+30 mins.	**235**	12	**247**	8	115	123	15	21	36
+45 mins.	211	9	220	**18**	**124**	**142**	**16**	16	32
Total Volume	859	47	906	50	466	516	42	87	129
% App. Total	94.8	5.2		9.7	90.3		32.6	67.4	
PHF	.914	.618	.917	.694	.940	.908	.656	.725	.872

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City of Compton
N/S: Alameda Street
E/W: Towne Center
Weather: Clear

File Name : CPTALTCPM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Alameda Street Southbound			Alameda Street Northbound			Towne Center Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
04:00 PM	155	23	178	26	165	191	41	33	74	443
04:15 PM	163	23	186	22	173	195	44	42	86	467
04:30 PM	170	19	189	23	155	178	33	40	73	440
04:45 PM	155	13	168	32	151	183	35	32	67	418
Total	643	78	721	103	644	747	153	147	300	1768
05:00 PM	147	23	170	38	184	222	40	55	95	487
05:15 PM	171	14	185	25	190	215	25	26	51	451
05:30 PM	153	14	167	22	171	193	35	41	76	436
05:45 PM	162	11	173	20	187	207	29	31	60	440
Total	633	62	695	105	732	837	129	153	282	1814
Grand Total	1276	140	1416	208	1376	1584	282	300	582	3582
Apprch %	90.1	9.9		13.1	86.9		48.5	51.5		
Total %	35.6	3.9	39.5	5.8	38.4	44.2	7.9	8.4	16.2	

	Alameda Street Southbound			Alameda Street Northbound			Towne Center Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 05:00 PM										
05:00 PM	147	**23**	170	**38**	184	**222**	**40**	**55**	**95**	**487**
05:15 PM	**171**	14	**185**	25	**190**	215	25	26	51	451
05:30 PM	153	14	167	22	171	193	35	41	76	436
05:45 PM	162	11	173	20	187	207	29	31	60	440
Total Volume	633	62	695	105	732	837	129	153	282	1814
% App. Total	91.1	8.9		12.5	87.5		45.7	54.3		
PHF	.925	.674	.939	.691	.963	.943	.806	.695	.742	.931

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City of Compton
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E/W: Towne Center
Weather: Clear

File Name : CPTALTCPM
Site Code : 04119405
Start Date : 6/6/2019
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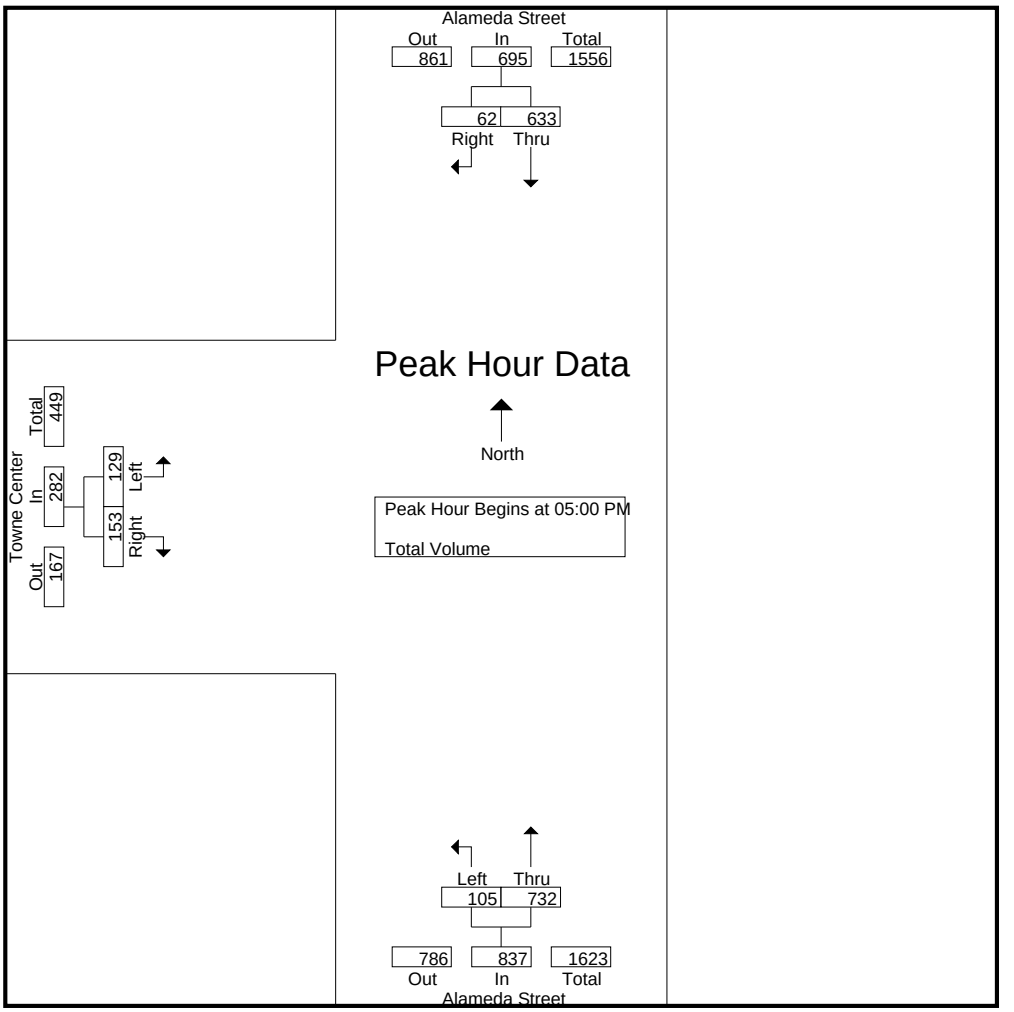

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			05:00 PM			04:15 PM		
+0 mins.	155	**23**	178	**38**	184	**222**	**44**	42	86
+15 mins.	163	23	186	25	**190**	215	33	40	73
+30 mins.	**170**	19	**189**	22	171	193	35	32	67
+45 mins.	155	13	168	20	187	207	40	**55**	**95**
Total Volume	643	78	721	105	732	837	152	169	321
% App. Total	89.2	10.8		12.5	87.5		47.4	52.6	
PHF	.946	.848	.954	.691	.963	.943	.864	.768	.845

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City of Compton
N/S: Alameda Street
E/W: South Towne Center
Weather: Clear

File Name : CPTALSTAM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Alameda Street Southbound			Alameda Street Northbound			South Towne Center Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
07:00 AM	161	12	173	34	103	137	10	31	41	351
07:15 AM	205	11	216	38	111	149	6	43	49	414
07:30 AM	230	13	243	44	105	149	12	50	62	454
07:45 AM	240	18	258	38	119	157	8	48	56	471
Total	836	54	890	154	438	592	36	172	208	1690
08:00 AM	200	21	221	43	106	149	9	48	57	427
08:15 AM	157	21	178	51	117	168	18	39	57	403
08:30 AM	169	13	182	39	100	139	18	41	59	380
08:45 AM	162	11	173	46	132	178	14	35	49	400
Total	688	66	754	179	455	634	59	163	222	1610
Grand Total	1524	120	1644	333	893	1226	95	335	430	3300
Apprch %	92.7	7.3		27.2	72.8		22.1	77.9		
Total %	46.2	3.6	49.8	10.1	27.1	37.2	2.9	10.2	13	

	Alameda Street Southbound			Alameda Street Northbound			South Towne Center Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:15 AM										
07:15 AM	205	11	216	38	111	149	6	43	49	414
07:30 AM	230	13	243	**44**	105	149	**12**	**50**	**62**	454
07:45 AM	**240**	18	**258**	38	**119**	**157**	8	48	56	**471**
08:00 AM	200	**21**	221	43	106	149	9	48	57	427
Total Volume	875	63	938	163	441	604	35	189	224	1766
% App. Total	93.3	6.7		27	73		15.6	84.4		
PHF	.911	.750	.909	.926	.926	.962	.729	.945	.903	.937

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File Name : CPTALSTAM
Site Code : 04119405
Start Date : 6/6/2019
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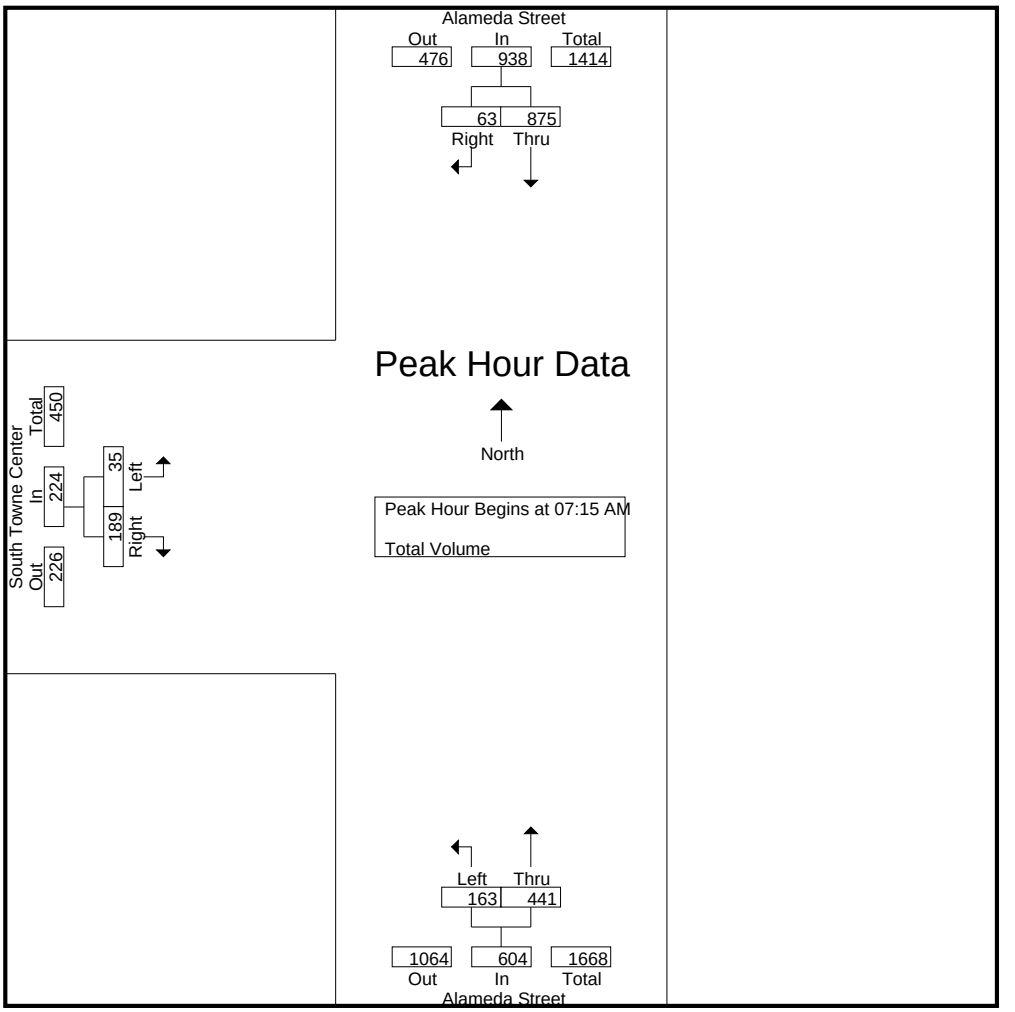

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:15 AM			08:00 AM			07:30 AM		
+0 mins.	205	11	216	43	106	149	12	**50**	**62**
+15 mins.	230	13	243	**51**	117	168	8	48	56
+30 mins.	**240**	18	**258**	39	100	139	9	48	57
+45 mins.	200	**21**	221	46	**132**	**178**	**18**	39	57
Total Volume	875	63	938	179	455	634	47	185	232
% App. Total	93.3	6.7		28.2	71.8		20.3	79.7	
PHF	.911	.750	.909	.877	.862	.890	.653	.925	.935

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City of Compton
N/S: Alameda Street
E/W: South Towne Center
Weather: Clear

File Name : CPTALSTPM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Alameda Street Southbound			Alameda Street Northbound			South Towne Center Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
04:00 PM	168	28	196	79	169	248	25	47	72	516
04:15 PM	180	18	198	72	178	250	24	55	79	527
04:30 PM	195	17	212	68	148	216	22	58	80	508
04:45 PM	150	30	180	67	167	234	22	60	82	496
Total	693	93	786	286	662	948	93	220	313	2047
05:00 PM	188	14	202	76	197	273	31	74	105	580
05:15 PM	182	16	198	82	184	266	24	60	84	548
05:30 PM	177	22	199	68	179	247	20	75	95	541
05:45 PM	172	19	191	59	194	253	18	60	78	522
Total	719	71	790	285	754	1039	93	269	362	2191
Grand Total	1412	164	1576	571	1416	1987	186	489	675	4238
Apprch %	89.6	10.4		28.7	71.3		27.6	72.4		
Total %	33.3	3.9	37.2	13.5	33.4	46.9	4.4	11.5	15.9	

	Alameda Street Southbound			Alameda Street Northbound			South Towne Center Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 05:00 PM										
05:00 PM	**188**	14	**202**	76	**197**	**273**	**31**	74	**105**	**580**
05:15 PM	182	16	198	**82**	184	266	24	60	84	548
05:30 PM	177	**22**	199	68	179	247	20	**75**	95	541
05:45 PM	172	19	191	59	194	253	18	60	78	522
Total Volume	719	71	790	285	754	1039	93	269	362	2191
% App. Total	91	9		27.4	72.6		25.7	74.3		
PHF	.956	.807	.978	.869	.957	.951	.750	.897	.862	.944

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File Name : CPTALSTPM
Site Code : 04119405
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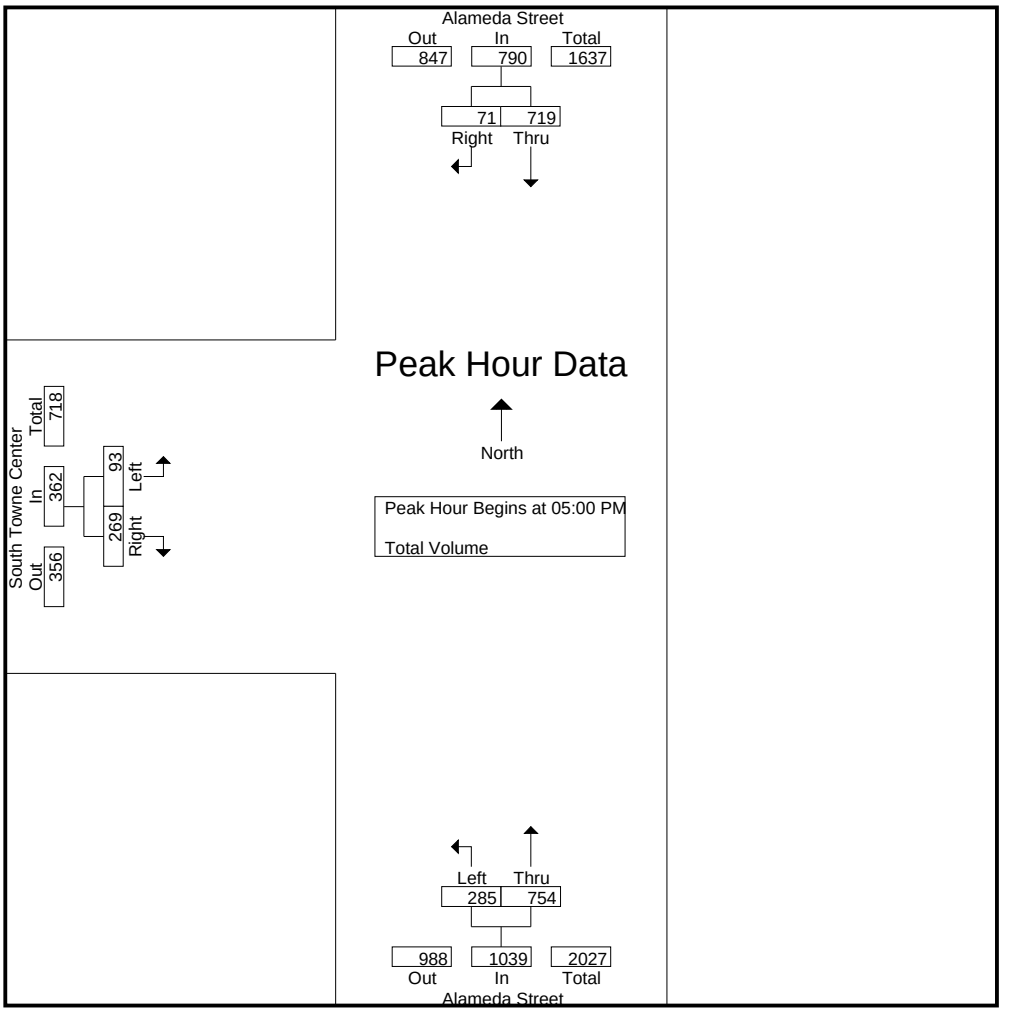

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM			05:00 PM			04:45 PM		
+0 mins.	180	18	198	76	**197**	**273**	22	60	82
+15 mins.	**195**	17	**212**	**82**	184	266	**31**	74	**105**
+30 mins.	150	**30**	180	68	179	247	24	60	84
+45 mins.	188	14	202	59	194	253	20	**75**	95
Total Volume	713	79	792	285	754	1039	97	269	366
% App. Total	90	10		27.4	72.6		26.5	73.5	
PHF	.914	.658	.934	.869	.957	.951	.782	.897	.871

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City of Compton
N/S: Alameda Street
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTALARAM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Alameda Street Southbound			Alameda Street Northbound			Artesia Boulevard Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
07:00 AM	156	32	188	13	75	88	71	63	134	410
07:15 AM	190	42	232	12	74	86	67	61	128	446
07:30 AM	224	51	275	11	86	97	56	63	119	491
07:45 AM	224	54	278	11	89	100	75	139	214	592
Total	794	179	973	47	324	371	269	326	595	1939
08:00 AM	191	63	254	11	85	96	68	111	179	529
08:15 AM	138	47	185	13	90	103	53	99	152	440
08:30 AM	152	54	206	11	75	86	74	88	162	454
08:45 AM	147	48	195	13	89	102	89	118	207	504
Total	628	212	840	48	339	387	284	416	700	1927
Grand Total	1422	391	1813	95	663	758	553	742	1295	3866
Apprch %	78.4	21.6		12.5	87.5		42.7	57.3		
Total %	36.8	10.1	46.9	2.5	17.1	19.6	14.3	19.2	33.5	

	Alameda Street Southbound			Alameda Street Northbound			Artesia Boulevard Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:15 AM										
07:15 AM	190	42	232	**12**	74	86	67	61	128	446
07:30 AM	**224**	51	275	11	86	97	56	63	119	491
07:45 AM	224	54	**278**	11	**89**	**100**	**75**	**139**	**214**	**592**
08:00 AM	191	**63**	254	11	85	96	68	111	179	529
Total Volume	829	210	1039	45	334	379	266	374	640	2058
% App. Total	79.8	20.2		11.9	88.1		41.6	58.4		
PHF	.925	.833	.934	.938	.938	.948	.887	.673	.748	.869

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City of Compton
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File Name : CPTALARAM
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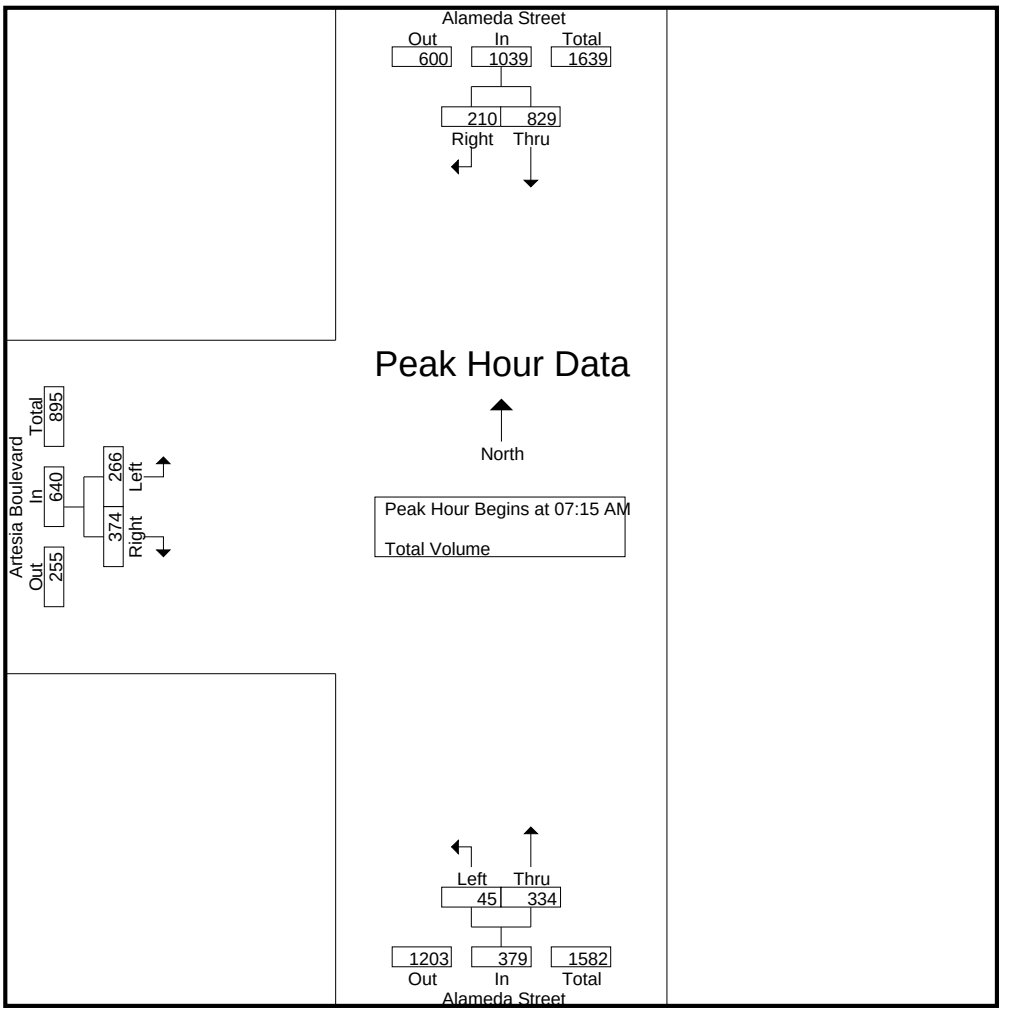

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:15 AM			07:30 AM			07:45 AM		
+0 mins.	190	42	232	11	86	97	**75**	**139**	**214**
+15 mins.	**224**	51	275	11	89	100	68	111	179
+30 mins.	224	54	**278**	11	85	96	53	99	152
+45 mins.	191	**63**	254	**13**	**90**	**103**	74	88	162
Total Volume	829	210	1039	46	350	396	270	437	707
% App. Total	79.8	20.2		11.6	88.4		38.2	61.8	
PHF	.925	.833	.934	.885	.972	.961	.900	.786	.826

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City of Compton
N/S: Alameda Street
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTALARPM
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Groups Printed- Total Volume

	Alameda Street Southbound			Alameda Street Northbound			Artesia Boulevard Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
04:00 PM	157	48	205	39	140	179	105	26	131	515
04:15 PM	158	77	235	28	135	163	95	34	129	527
04:30 PM	178	75	253	53	143	196	93	36	129	578
04:45 PM	143	74	217	56	169	225	75	29	104	546
Total	636	274	910	176	587	763	368	125	493	2166
05:00 PM	163	90	253	55	150	205	99	26	125	583
05:15 PM	173	69	242	34	167	201	101	21	122	565
05:30 PM	172	72	244	53	142	195	90	18	108	547
05:45 PM	164	71	235	41	192	233	82	12	94	562
Total	672	302	974	183	651	834	372	77	449	2257
Grand Total	1308	576	1884	359	1238	1597	740	202	942	4423
Apprch %	69.4	30.6		22.5	77.5		78.6	21.4		
Total %	29.6	13	42.6	8.1	28	36.1	16.7	4.6	21.3	

	Alameda Street Southbound			Alameda Street Northbound			Artesia Boulevard Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:30 PM										
04:30 PM	**178**	75	**253**	53	143	196	93	**36**	**129**	578
04:45 PM	143	74	217	**56**	**169**	**225**	75	29	104	546
05:00 PM	163	**90**	253	55	150	205	99	26	125	**583**
05:15 PM	173	69	242	34	167	201	**101**	21	122	565
Total Volume	657	308	965	198	629	827	368	112	480	2272
% App. Total	68.1	31.9		23.9	76.1		76.7	23.3		
PHF	.923	.856	.954	.884	.930	.919	.911	.778	.930	.974

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City of Compton
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E/W: Artesia Boulevard
Weather: Clear

File Name : CPTALARPM
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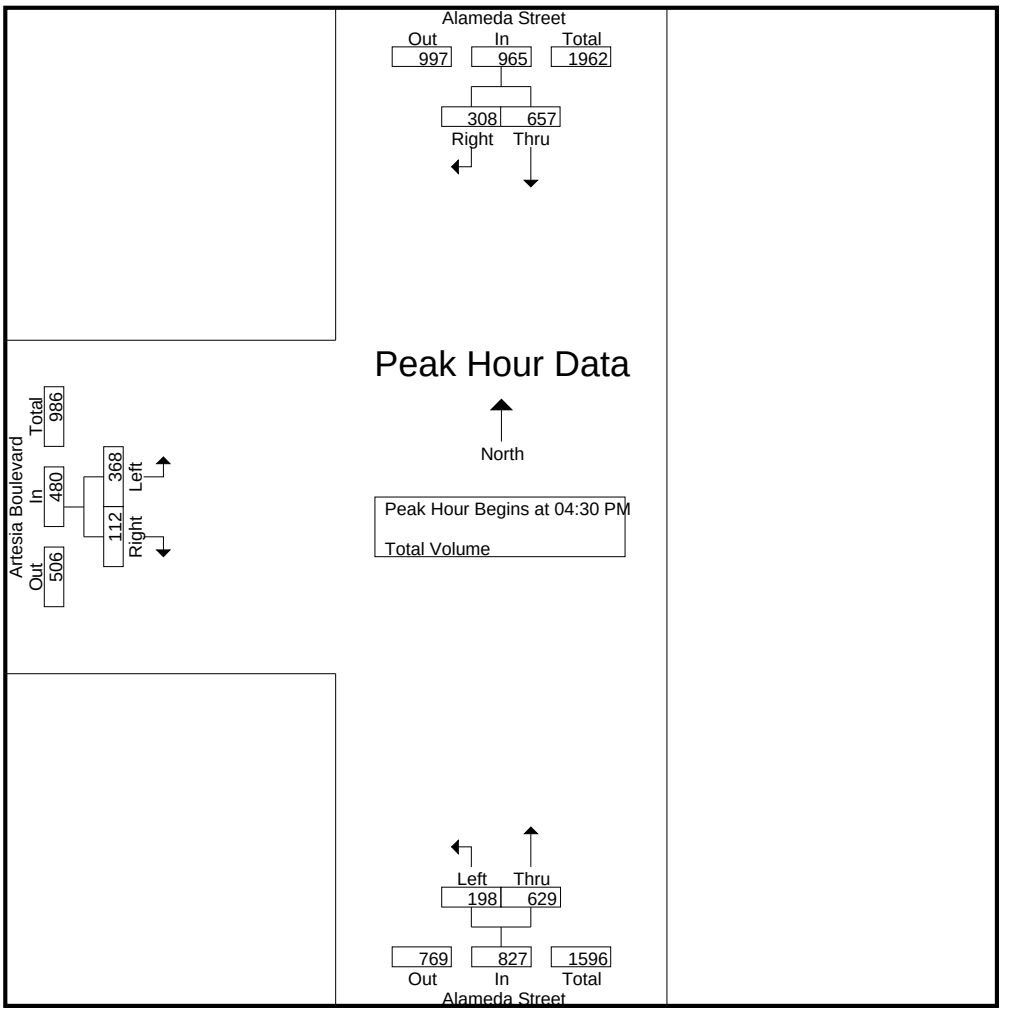

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	05:00 PM			05:00 PM			04:00 PM		
+0 mins.	163	**90**	**253**	**55**	150	205	**105**	26	**131**
+15 mins.	**173**	69	242	34	167	201	95	34	129
+30 mins.	172	72	244	53	142	195	93	**36**	129
+45 mins.	164	71	235	41	**192**	**233**	75	29	104
Total Volume	672	302	974	183	651	834	368	125	493
% App. Total	69	31		21.9	78.1		74.6	25.4	
PHF	.971	.839	.962	.832	.848	.895	.876	.868	.941

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City of Compton
N/S: Acacia Court
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTAAARAM
Site Code : 04119405
Start Date : 6/6/2019
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Groups Printed- Total Volume

	Acacia Court Southbound				Artesia Boulevard Westbound				Acacia Court Northbound				Artesia Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	16	0	2	18	1	278	50	329	3	7	15	25	0	0	0	0	372
07:15 AM	30	0	6	36	0	224	72	296	7	4	21	32	0	0	0	0	364
07:30 AM	25	0	5	30	0	285	62	347	7	6	26	39	0	0	0	0	416
07:45 AM	23	0	7	30	1	277	81	359	19	7	40	66	0	0	0	0	455
Total	94	0	20	114	2	1064	265	1331	36	24	102	162	0	0	0	0	1607
08:00 AM	23	0	7	30	1	264	62	327	12	4	20	36	0	0	0	0	393
08:15 AM	21	0	5	26	1	236	49	286	5	8	29	42	0	0	0	0	354
08:30 AM	22	0	5	27	0	243	56	299	7	14	24	45	0	0	0	0	371
08:45 AM	22	0	4	26	2	187	54	243	11	6	29	46	0	0	0	0	315
Total	88	0	21	109	4	930	221	1155	35	32	102	169	0	0	0	0	1433
Grand Total	182	0	41	223	6	1994	486	2486	71	56	204	331	0	0	0	0	3040
Apprch %	81.6	0	18.4		0.2	80.2	19.5		21.5	16.9	61.6		0	0	0		
Total %	6	0	1.3	7.3	0.2	65.6	16	81.8	2.3	1.8	6.7	10.9	0	0	0	0	

	Acacia Court Southbound				Artesia Boulevard Westbound				Acacia Court Northbound				Artesia Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	**30**	0	6	**36**	0	224	72	296	7	4	21	32	0	0	0	0	364
07:30 AM	25	0	5	30	0	**285**	62	347	7	6	26	39	0	0	0	0	416
07:45 AM	23	0	**7**	30	**1**	277	**81**	**359**	**19**	**7**	**40**	**66**	0	0	0	0	**455**
08:00 AM	23	0	7	30	1	264	62	327	12	4	20	36	0	0	0	0	393
Total Volume	101	0	25	126	2	1050	277	1329	45	21	107	173	0	0	0	0	1628
% App. Total	80.2	0	19.8		0.2	79	20.8		26	12.1	61.8		0	0	0		
PHF	.842	.000	.893	.875	.500	.921	.855	.925	.592	.750	.669	.655	.000	.000	.000	.000	.895

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City of Compton
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E/W: Artesia Boulevard
Weather: Clear

File Name : CPTAAARAM
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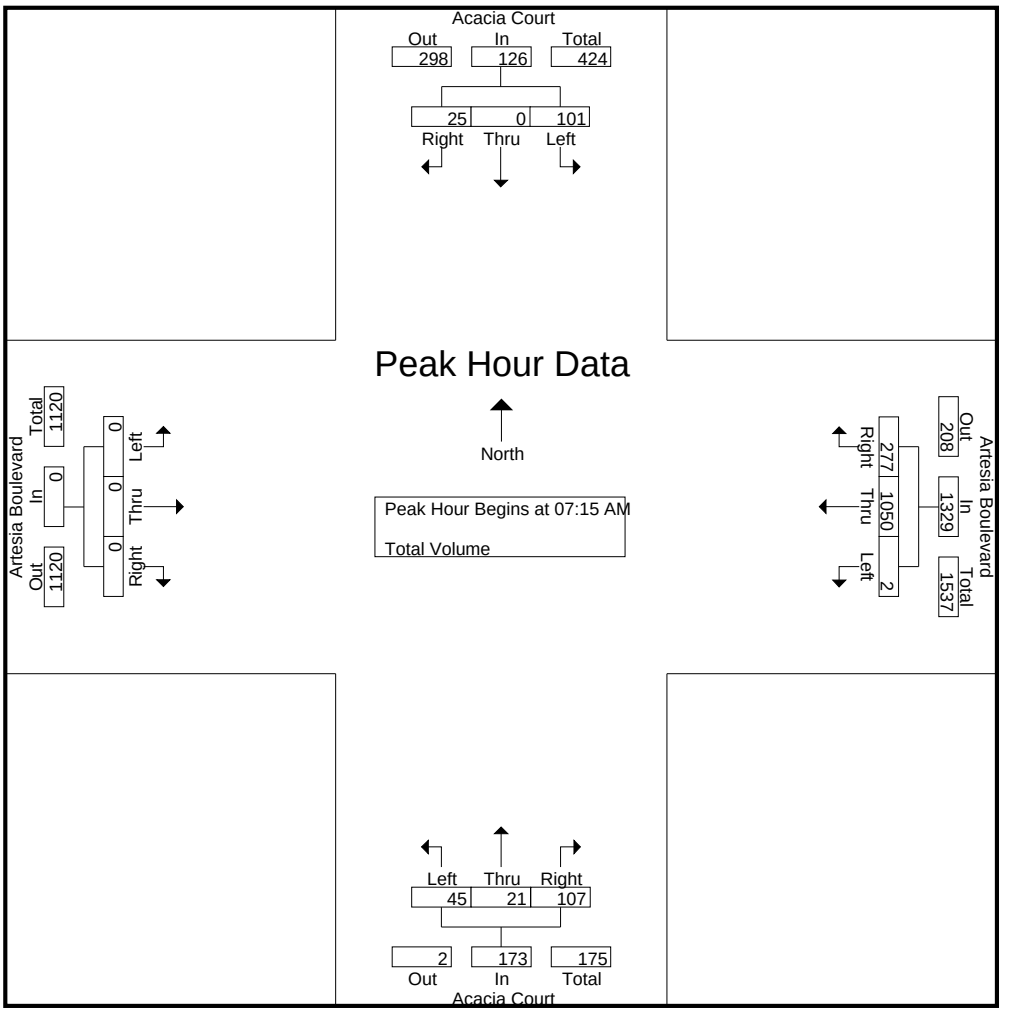

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:15 AM				07:00 AM				07:45 AM				07:00 AM			
+0 mins.	**30**	0	6	**36**	**1**	278	50	329	**19**	7	**40**	**66**	0	0	0	0
+15 mins.	25	0	5	30	0	224	72	296	12	4	20	36	0	0	0	0
+30 mins.	23	0	**7**	30	0	**285**	62	347	5	8	29	42	0	0	0	0
+45 mins.	23	0	7	30	1	277	**81**	**359**	7	**14**	24	45	0	0	0	0
Total Volume	101	0	25	126	2	1064	265	1331	43	33	113	189	0	0	0	0
% App. Total	80.2	0	19.8		0.2	79.9	19.9		22.8	17.5	59.8		0	0	0	
PHF	.842	.000	.893	.875	.500	.933	.818	.927	.566	.589	.706	.716	.000	.000	.000	.000

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City of Compton
N/S: Acacia Court
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTAAARPM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Acacia Court Southbound				Artesia Boulevard Westbound				Acacia Court Northbound				Artesia Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	146	0	5	151	0	178	28	206	16	5	253	274	0	0	0	0	631
04:15 PM	174	0	8	182	0	159	43	202	13	4	283	300	0	0	0	0	684
04:30 PM	192	0	9	201	1	178	38	217	16	8	237	261	0	0	0	0	679
04:45 PM	169	0	7	176	0	189	30	219	22	15	268	305	0	0	0	0	700
Total	681	0	29	710	1	704	139	844	67	32	1041	1140	0	0	0	0	2694
05:00 PM	165	0	11	176	1	222	33	256	46	11	291	348	0	0	0	0	780
05:15 PM	187	0	11	198	0	165	22	187	15	13	277	305	0	0	0	0	690
05:30 PM	154	0	8	162	0	168	18	186	15	8	276	299	0	0	0	0	647
05:45 PM	191	0	9	200	0	135	36	171	11	20	290	321	0	0	0	0	692
Total	697	0	39	736	1	690	109	800	87	52	1134	1273	0	0	0	0	2809
Grand Total	1378	0	68	1446	2	1394	248	1644	154	84	2175	2413	0	0	0	0	5503
Apprch %	95.3	0	4.7		0.1	84.8	15.1		6.4	3.5	90.1		0	0	0		
Total %	25	0	1.2	26.3	0	25.3	4.5	29.9	2.8	1.5	39.5	43.8	0	0	0	0	

	Acacia Court Southbound				Artesia Boulevard Westbound				Acacia Court Northbound				Artesia Boulevard Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	**192**	0	9	**201**	**1**	178	**38**	217	16	8	237	261	0	0	0	0	679
04:45 PM	169	0	7	176	0	189	30	219	22	**15**	268	305	0	0	0	0	700
05:00 PM	165	0	**11**	176	1	**222**	33	**256**	**46**	11	**291**	**348**	0	0	0	0	**780**
05:15 PM	187	0	11	198	0	165	22	187	15	13	277	305	0	0	0	0	690
Total Volume	713	0	38	751	2	754	123	879	99	47	1073	1219	0	0	0	0	2849
% App. Total	94.9	0	5.1		0.2	85.8	14		8.1	3.9	88		0	0	0		
PHF	.928	.000	.864	.934	.500	.849	.809	.858	.538	.783	.922	.876	.000	.000	.000	.000	.913

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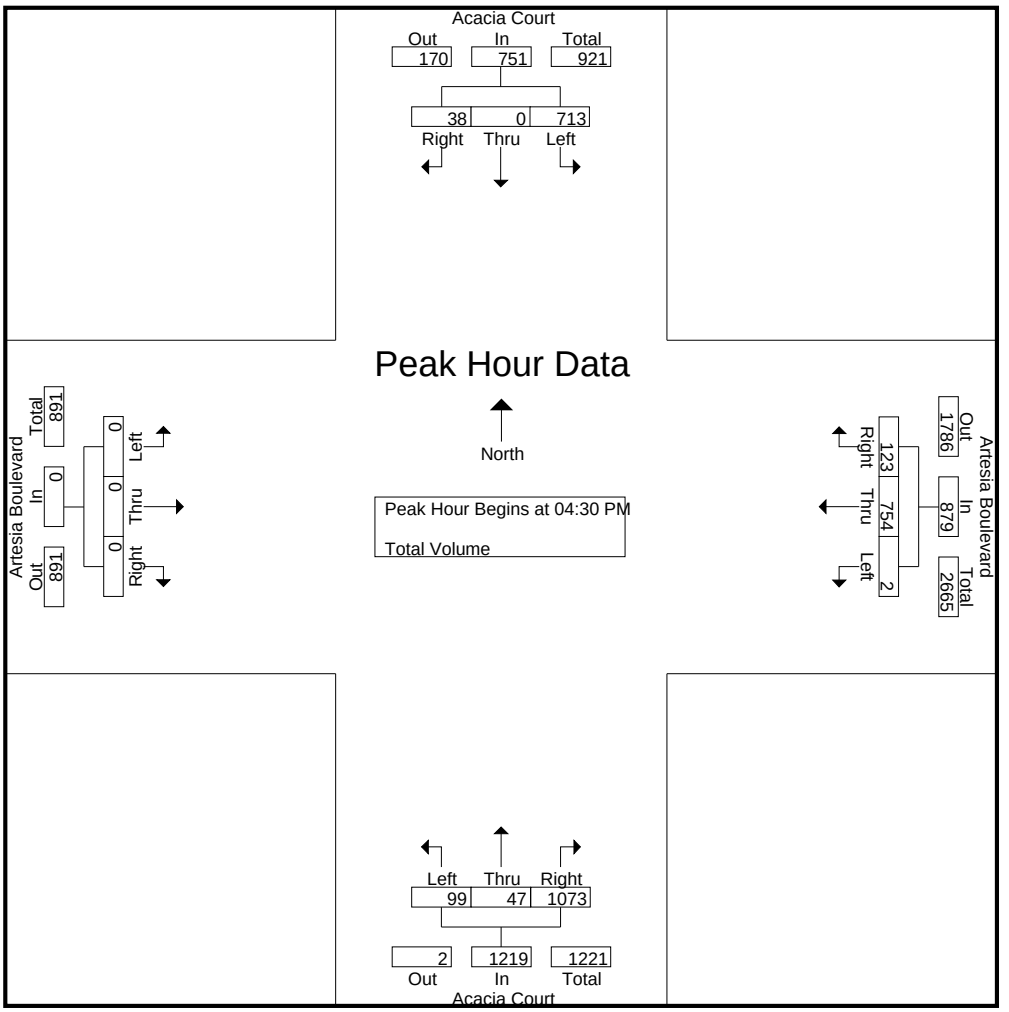
City of Compton
N/S: Acacia Court
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTAAARPM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:30 PM				04:15 PM				05:00 PM				04:00 PM			
+0 mins.	**192**	0	9	**201**	0	159	**43**	202	**46**	11	**291**	**348**	0	0	0	0
+15 mins.	169	0	7	176	**1**	178	38	217	15	13	277	305	0	0	0	0
+30 mins.	165	0	**11**	176	0	189	30	219	15	8	276	299	0	0	0	0
+45 mins.	187	0	11	198	1	**222**	33	**256**	11	**20**	290	321	0	0	0	0
Total Volume	713	0	38	751	2	748	144	894	87	52	1134	1273	0	0	0	0
% App. Total	94.9	0	5.1		0.2	83.7	16.1		6.8	4.1	89.1		0	0	0	
PHF	.928	.000	.864	.934	.500	.842	.837	.873	.473	.650	.974	.915	.000	.000	.000	.000

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City of Compton
N/S: Hotel Driveway
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTHDARAM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Hotel Driveway Southbound			Artesia Boulevard Westbound			Artesia Boulevard Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	6	6	291	3	294	2	31	33	333
07:15 AM	0	8	8	300	5	305	4	49	53	366
07:30 AM	0	5	5	362	1	363	4	46	50	418
07:45 AM	1	11	12	332	9	341	6	54	60	413
Total	1	30	31	1285	18	1303	16	180	196	1530
08:00 AM	0	11	11	314	8	322	2	46	48	381
08:15 AM	1	8	9	283	3	286	5	42	47	342
08:30 AM	0	5	5	304	11	315	6	41	47	367
08:45 AM	0	9	9	237	7	244	3	52	55	308
Total	1	33	34	1138	29	1167	16	181	197	1398
Grand Total	2	63	65	2423	47	2470	32	361	393	2928
Apprch %	3.1	96.9		98.1	1.9		8.1	91.9		
Total %	0.1	2.2	2.2	82.8	1.6	84.4	1.1	12.3	13.4	

	Hotel Driveway Southbound			Artesia Boulevard Westbound			Artesia Boulevard Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:15 AM										
07:15 AM	0	8	8	300	5	305	4	49	53	366
07:30 AM	0	5	5	**362**	1	**363**	4	46	50	**418**
07:45 AM	**1**	**11**	**12**	332	**9**	341	**6**	**54**	**60**	413
08:00 AM	0	11	11	314	8	322	2	46	48	381
Total Volume	1	35	36	1308	23	1331	16	195	211	1578
% App. Total	2.8	97.2		98.3	1.7		7.6	92.4		
PHF	.250	.795	.750	.903	.639	.917	.667	.903	.879	.944

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City of Compton
N/S: Hotel Driveway
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTHDARAM
Site Code : 04119405
Start Date : 6/6/2019
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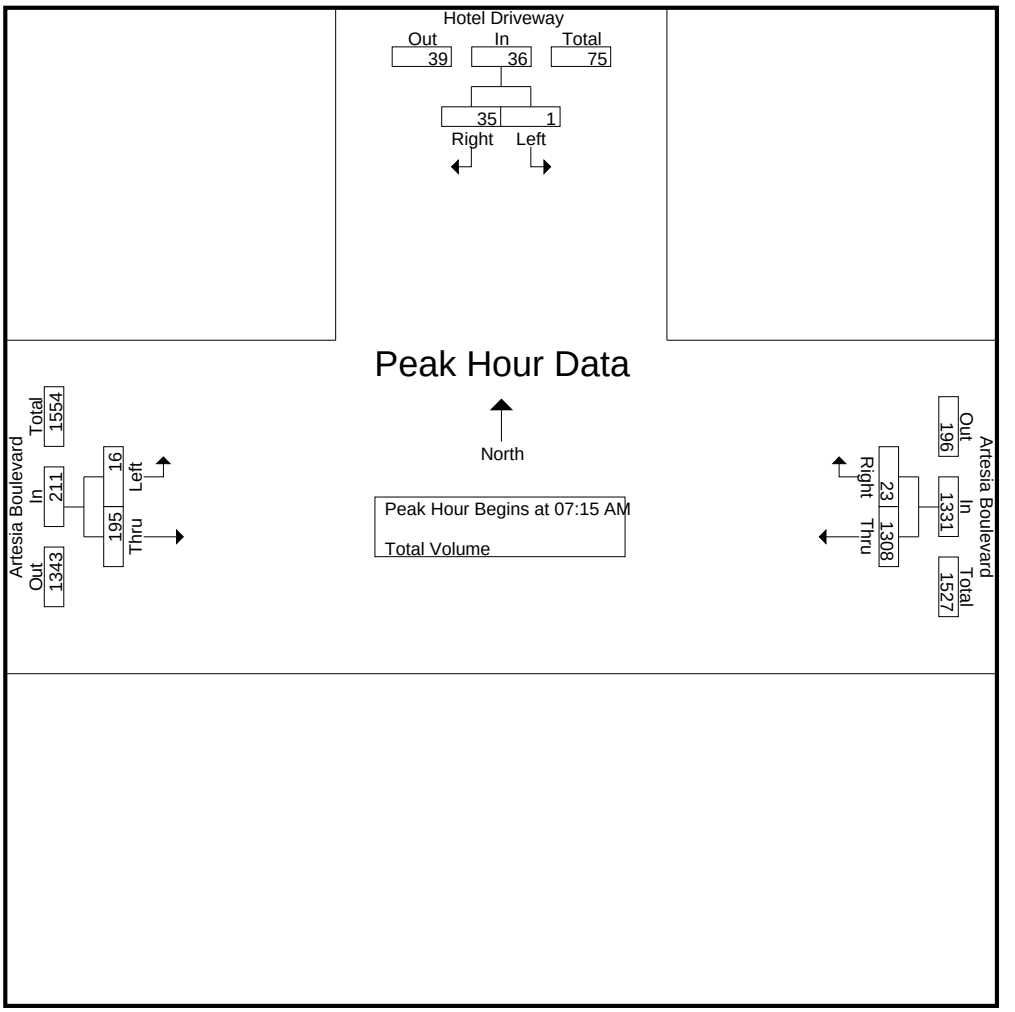

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:30 AM			07:15 AM			07:15 AM		
+0 mins.	0	5	5	300	5	305	4	49	53
+15 mins.	**1**	**11**	**12**	**362**	1	**363**	4	46	50
+30 mins.	0	11	11	332	**9**	341	**6**	**54**	**60**
+45 mins.	1	8	9	314	8	322	2	46	48
Total Volume	2	35	37	1308	23	1331	16	195	211
% App. Total	5.4	94.6		98.3	1.7		7.6	92.4	
PHF	.500	.795	.771	.903	.639	.917	.667	.903	.879

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City of Compton
N/S: Hotel Driveway
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTHDARPM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Hotel Driveway Southbound			Artesia Boulevard Westbound			Artesia Boulevard Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	2	5	7	204	19	223	8	377	385	615
04:15 PM	4	10	14	196	19	215	3	419	422	651
04:30 PM	3	7	10	215	11	226	8	446	454	690
04:45 PM	4	8	12	242	16	258	13	419	432	702
Total	13	30	43	857	65	922	32	1661	1693	2658
05:00 PM	5	13	18	240	13	253	17	446	463	734
05:15 PM	2	7	9	173	11	184	11	465	476	669
05:30 PM	9	10	19	191	24	215	15	423	438	672
05:45 PM	6	7	13	145	12	157	10	462	472	642
Total	22	37	59	749	60	809	53	1796	1849	2717
Grand Total	35	67	102	1606	125	1731	85	3457	3542	5375
Apprch %	34.3	65.7		92.8	7.2		2.4	97.6		
Total %	0.7	1.2	1.9	29.9	2.3	32.2	1.6	64.3	65.9	

	Hotel Driveway Southbound			Artesia Boulevard Westbound			Artesia Boulevard Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:30 PM										
04:30 PM	3	7	10	215	11	226	8	446	454	690
04:45 PM	4	8	12	**242**	**16**	**258**	13	419	432	702
05:00 PM	**5**	**13**	**18**	240	13	253	**17**	446	463	**734**
05:15 PM	2	7	9	173	11	184	11	**465**	**476**	669
Total Volume	14	35	49	870	51	921	49	1776	1825	2795
% App. Total	28.6	71.4		94.5	5.5		2.7	97.3		
PHF	.700	.673	.681	.899	.797	.892	.721	.955	.959	.952

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City of Compton
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E/W: Artesia Boulevard
Weather: Clear

File Name : CPTHDARPM
Site Code : 04119405
Start Date : 6/6/2019
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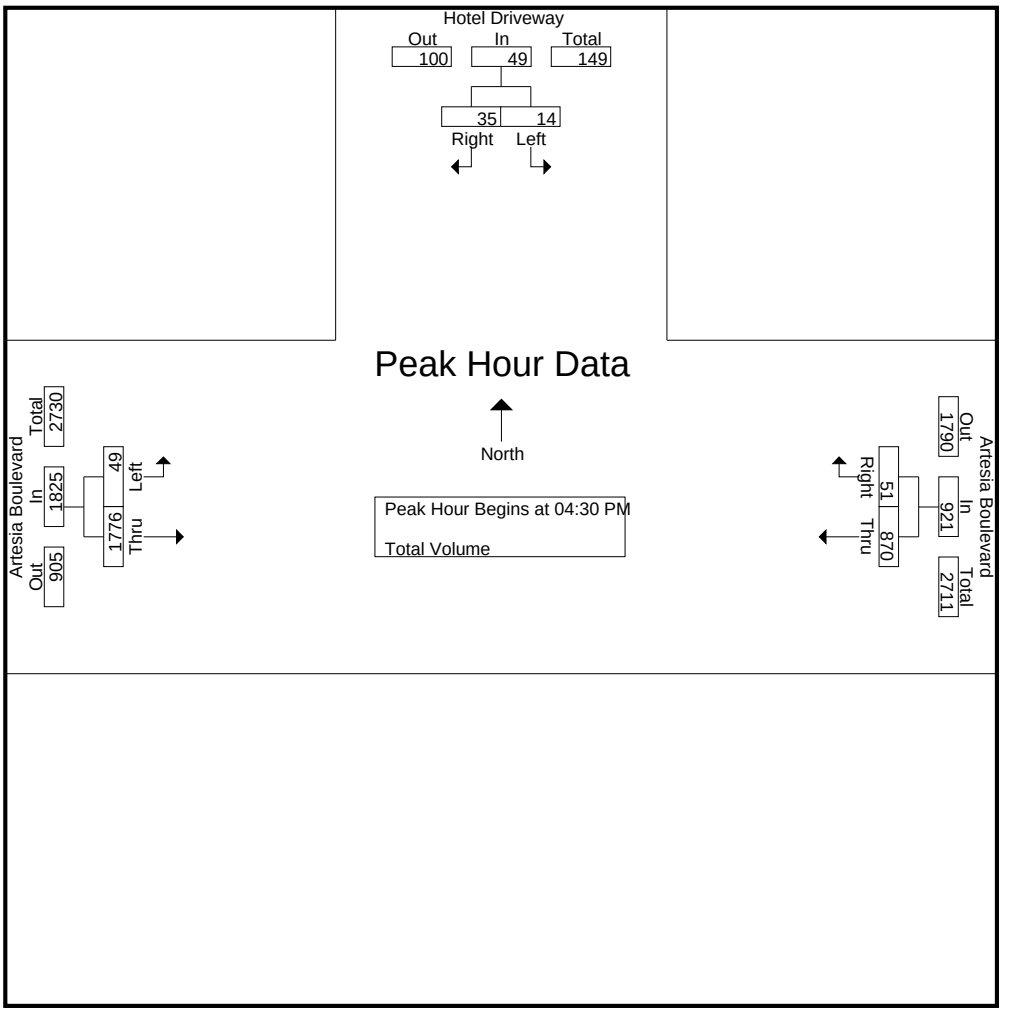

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	05:00 PM			04:15 PM			05:00 PM		
+0 mins.	5	**13**	18	196	**19**	215	**17**	446	463
+15 mins.	2	7	9	215	11	226	11	**465**	**476**
+30 mins.	**9**	10	**19**	**242**	16	**258**	15	423	438
+45 mins.	6	7	13	240	13	253	10	462	472
Total Volume	22	37	59	893	59	952	53	1796	1849
% App. Total	37.3	62.7		93.8	6.2		2.9	97.1	
PHF	.611	.712	.776	.923	.776	.922	.779	.966	.971

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City of Compton
N/S: Artesia Connector
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTACARAM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Artesia Connector Southbound			Artesia Boulevard Westbound			Artesia Boulevard Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	10	35	45	250	129	379	9	24	33	457
07:15 AM	15	43	58	263	118	381	11	42	53	492
07:30 AM	15	52	67	307	117	424	5	44	49	540
07:45 AM	16	48	64	300	217	517	5	52	57	638
Total	56	178	234	1120	581	1701	30	162	192	2127
08:00 AM	22	49	71	264	173	437	5	40	45	553
08:15 AM	18	48	66	252	145	397	5	37	42	505
08:30 AM	19	43	62	253	150	403	11	32	43	508
08:45 AM	17	44	61	188	196	384	10	40	50	495
Total	76	184	260	957	664	1621	31	149	180	2061
Grand Total	132	362	494	2077	1245	3322	61	311	372	4188
Apprch %	26.7	73.3		62.5	37.5		16.4	83.6		
Total %	3.2	8.6	11.8	49.6	29.7	79.3	1.5	7.4	8.9	

	Artesia Connector Southbound			Artesia Boulevard Westbound			Artesia Boulevard Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:30 AM										
07:30 AM	15	**52**	67	**307**	117	424	**5**	44	49	540
07:45 AM	16	48	64	300	**217**	**517**	5	**52**	**57**	**638**
08:00 AM	**22**	49	**71**	264	173	437	5	40	45	553
08:15 AM	18	48	66	252	145	397	5	37	42	505
Total Volume	71	197	268	1123	652	1775	20	173	193	2236
% App. Total	26.5	73.5		63.3	36.7		10.4	89.6		
PHF	.807	.947	.944	.914	.751	.858	1.00	.832	.846	.876

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City of Compton
N/S: Artesia Connector
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTACARAM
Site Code : 04119405
Start Date : 6/6/2019
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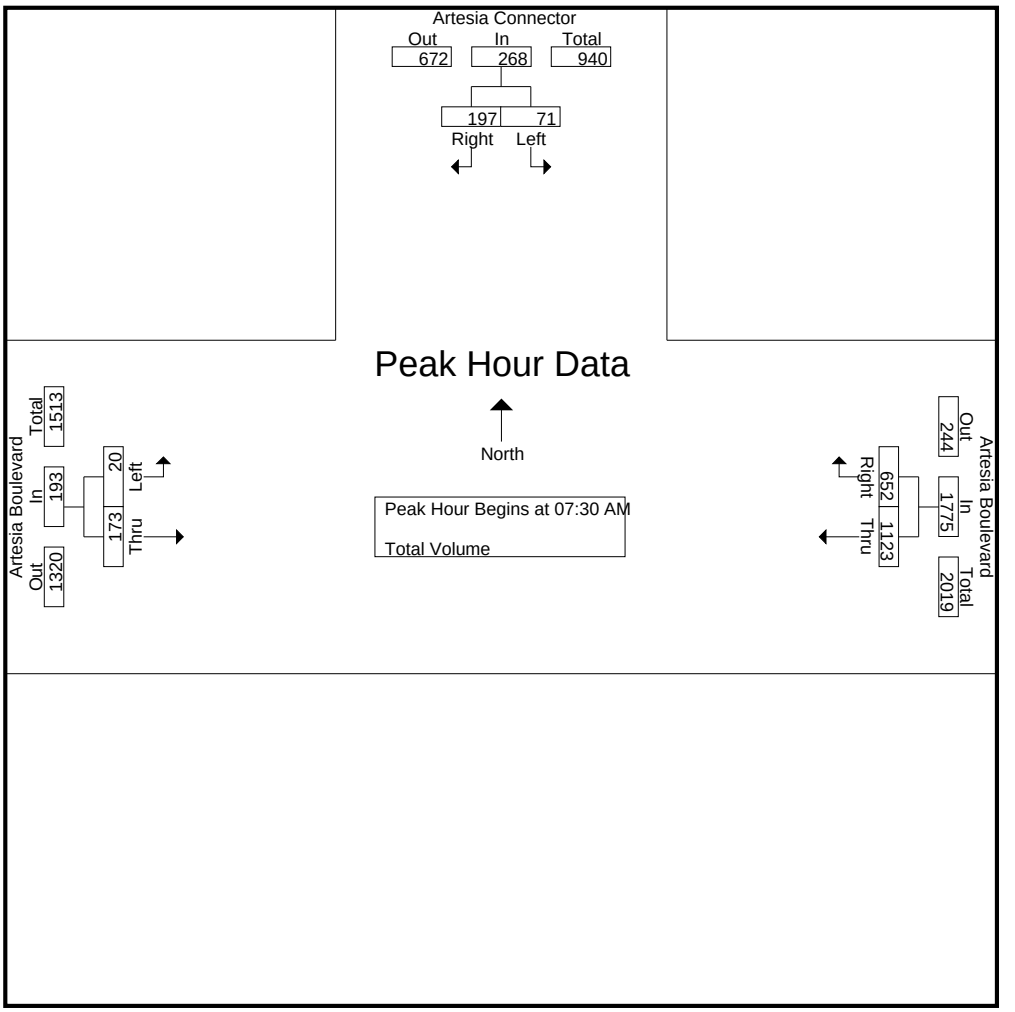

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:30 AM			07:30 AM			07:15 AM		
+0 mins.	15	**52**	67	**307**	117	424	**11**	42	53
+15 mins.	16	48	64	300	**217**	**517**	5	44	49
+30 mins.	**22**	49	**71**	264	173	437	5	**52**	**57**
+45 mins.	18	48	66	252	145	397	5	40	45
Total Volume	71	197	268	1123	652	1775	26	178	204
% App. Total	26.5	73.5		63.3	36.7		12.7	87.3	
PHF	.807	.947	.944	.914	.751	.858	.591	.856	.895

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City of Compton
N/S: Artesia Connector
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTACARPM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 1

Groups Printed- Total Volume

	Artesia Connector Southbound			Artesia Boulevard Westbound			Artesia Boulevard Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	36	56	92	159	125	284	16	362	378	754
04:15 PM	40	65	105	145	112	257	14	397	411	773
04:30 PM	50	66	116	171	105	276	28	418	446	838
04:45 PM	55	81	136	158	104	262	15	407	422	820
Total	181	268	449	633	446	1079	73	1584	1657	3185
05:00 PM	59	83	142	156	97	253	20	417	437	832
05:15 PM	40	65	105	122	102	224	33	438	471	800
05:30 PM	58	59	117	157	62	219	26	430	456	792
05:45 PM	55	54	109	113	78	191	27	433	460	760
Total	212	261	473	548	339	887	106	1718	1824	3184
Grand Total	393	529	922	1181	785	1966	179	3302	3481	6369
Apprch %	42.6	57.4		60.1	39.9		5.1	94.9		
Total %	6.2	8.3	14.5	18.5	12.3	30.9	2.8	51.8	54.7	

	Artesia Connector Southbound			Artesia Boulevard Westbound			Artesia Boulevard Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:30 PM										
04:30 PM	50	66	116	**171**	**105**	**276**	28	418	446	**838**
04:45 PM	55	81	136	158	104	262	15	407	422	820
05:00 PM	**59**	**83**	**142**	156	97	253	20	417	437	832
05:15 PM	40	65	105	122	102	224	**33**	**438**	**471**	800
Total Volume	204	295	499	607	408	1015	96	1680	1776	3290
% App. Total	40.9	59.1		59.8	40.2		5.4	94.6		
PHF	.864	.889	.879	.887	.971	.919	.727	.959	.943	.982

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City of Compton
N/S: Artesia Connector
E/W: Artesia Boulevard
Weather: Clear

File Name : CPTACARPM
Site Code : 04119405
Start Date : 6/6/2019
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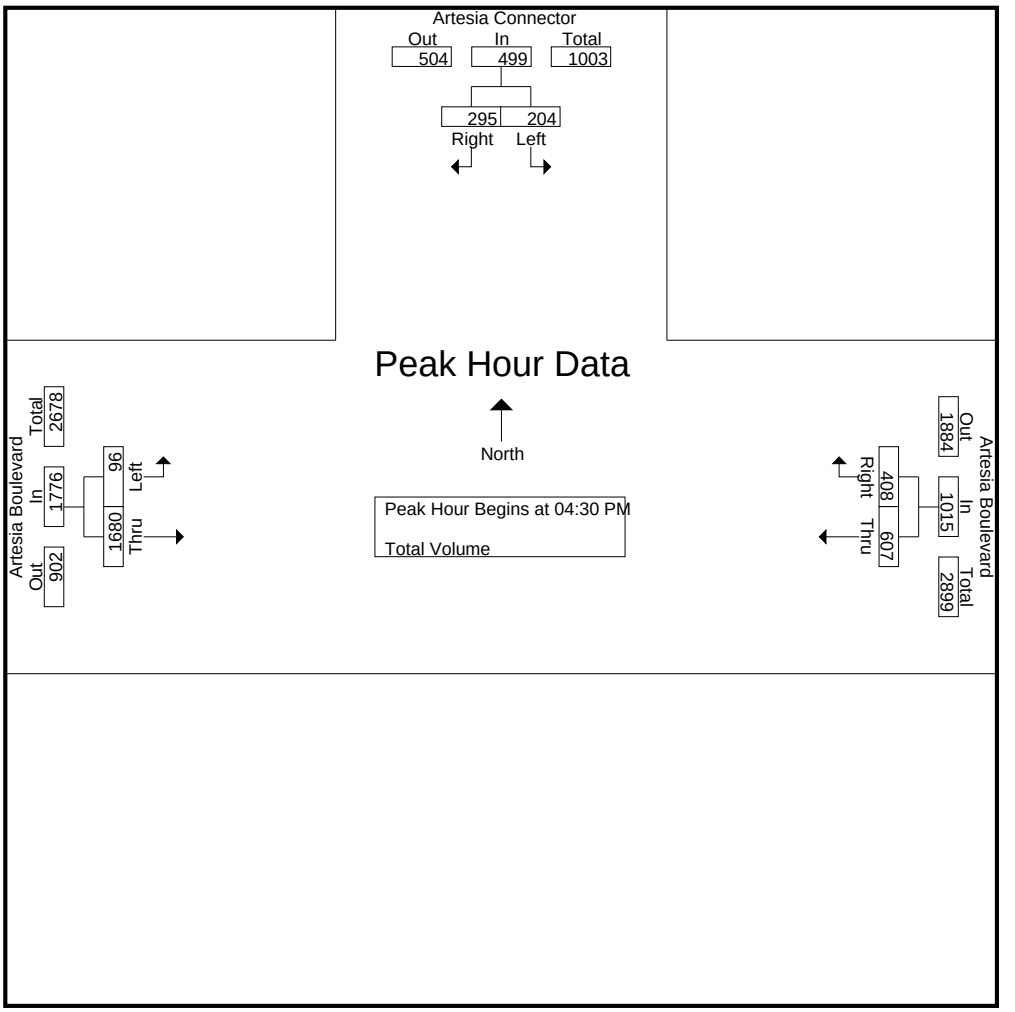

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:45 PM			04:00 PM			05:00 PM		
+0 mins.	55	81	136	159	**125**	**284**	20	417	437
+15 mins.	**59**	**83**	**142**	145	112	257	**33**	**438**	**471**
+30 mins.	40	65	105	**171**	105	276	26	430	456
+45 mins.	58	59	117	158	104	262	27	433	460
Total Volume	212	288	500	633	446	1079	106	1718	1824
% App. Total	42.4	57.6		58.7	41.3		5.8	94.2	
PHF	.898	.867	.880	.925	.892	.950	.803	.981	.968

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City of Compton
N/S: Alameda Street
E/W: State Route 91 Eastbound Ramps
Weather: Clear

File Name : CPTAL91EAM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Alameda Street Southbound			Alameda Street Northbound			State Route 91 Eastbound On / Off Ramps Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
07:00 AM	159	70	229	29	58	87	28	36	64	380
07:15 AM	163	85	248	21	62	83	34	27	61	392
07:30 AM	217	67	284	14	61	75	30	47	77	436
07:45 AM	296	78	374	22	63	85	28	46	74	533
Total	835	300	1135	86	244	330	120	156	276	1741
08:00 AM	247	59	306	27	79	106	24	34	58	470
08:15 AM	185	53	238	36	67	103	28	32	60	401
08:30 AM	170	55	225	25	50	75	31	31	62	362
08:45 AM	198	57	255	24	62	86	36	27	63	404
Total	800	224	1024	112	258	370	119	124	243	1637
Grand Total	1635	524	2159	198	502	700	239	280	519	3378
Apprch %	75.7	24.3		28.3	71.7		46.1	53.9		
Total %	48.4	15.5	63.9	5.9	14.9	20.7	7.1	8.3	15.4	

	Alameda Street Southbound			Alameda Street Northbound			State Route 91 Eastbound On / Off Ramps Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:30 AM										
07:30 AM	217	67	284	14	61	75	**30**	**47**	**77**	436
07:45 AM	**296**	**78**	**374**	22	63	85	28	46	74	**533**
08:00 AM	247	59	306	27	**79**	**106**	24	34	58	470
08:15 AM	185	53	238	**36**	67	103	28	32	60	401
Total Volume	945	257	1202	99	270	369	110	159	269	1840
% App. Total	78.6	21.4		26.8	73.2		40.9	59.1		
PHF	.798	.824	.803	.688	.854	.870	.917	.846	.873	.863

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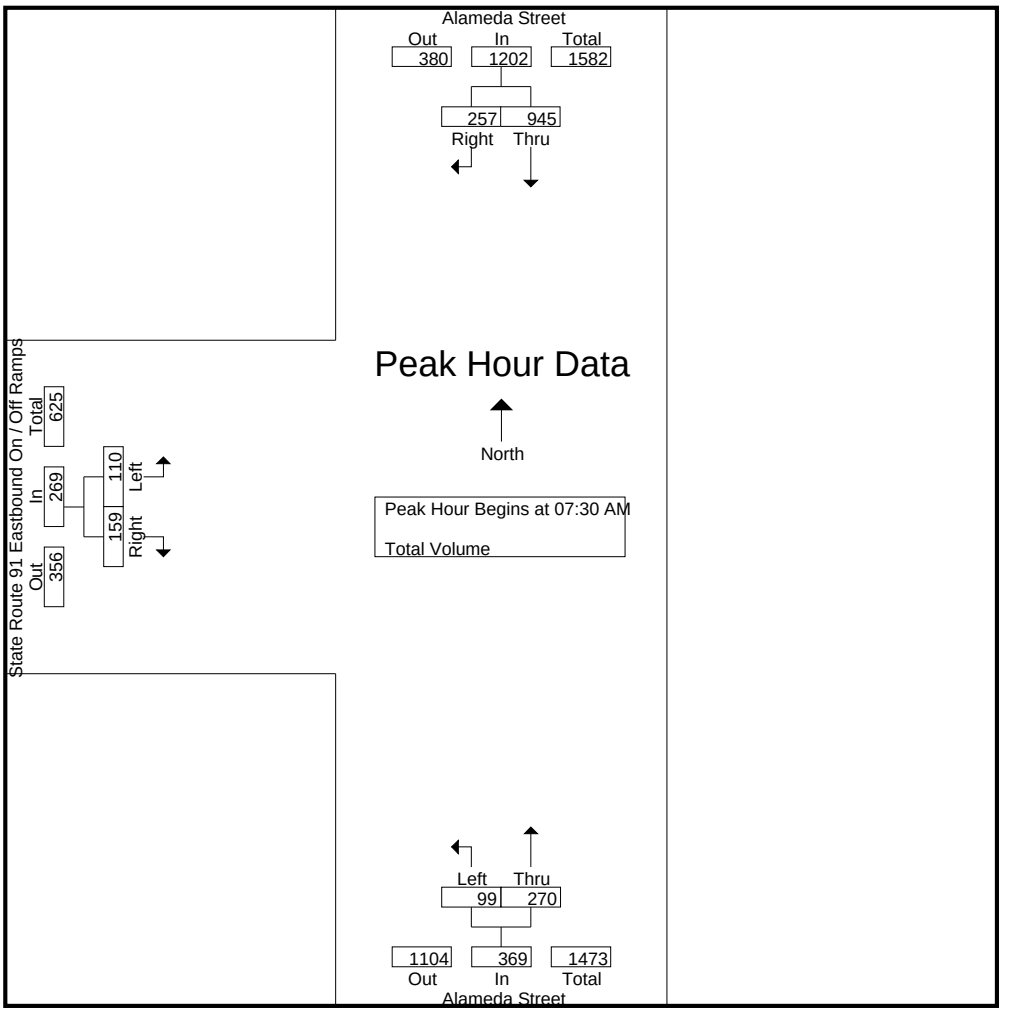
City of Compton
N/S: Alameda Street
E/W: State Route 91 Eastbound Ramps
Weather: Clear

File Name : CPTAL91EAM
Site Code : 04119405
Start Date : 6/6/2019
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:15 AM			08:00 AM			07:00 AM		
+0 mins.	163	**85**	248	27	**79**	**106**	28	36	64
+15 mins.	217	67	284	**36**	67	103	**34**	27	61
+30 mins.	**296**	78	**374**	25	50	75	30	**47**	**77**
+45 mins.	247	59	306	24	62	86	28	46	74
Total Volume	923	289	1212	112	258	370	120	156	276
% App. Total	76.2	23.8		30.3	69.7		43.5	56.5	
PHF	.780	.850	.810	.778	.816	.873	.882	.830	.896

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City of Compton
N/S: Alameda Street
E/W: State Route 91 Eastbound Ramps
Weather: Clear

File Name : CPTAL91EPM
Site Code : 04119405
Start Date : 6/6/2019

Groups Printed- Total Volume

	Alameda Street Southbound			Alameda Street Northbound			State Route 91 Eastbound On / Off Ramps Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
04:00 PM	122	66	188	131	152	283	24	17	41	512
04:15 PM	106	88	194	122	173	295	15	8	23	512
04:30 PM	112	106	218	101	199	300	14	8	22	540
04:45 PM	98	81	179	124	234	358	11	8	19	556
Total	438	341	779	478	758	1236	64	41	105	2120
05:00 PM	104	93	197	113	189	302	11	11	22	521
05:15 PM	110	91	201	112	178	290	11	7	18	509
05:30 PM	106	87	193	106	189	295	10	1	11	499
05:45 PM	95	81	176	102	230	332	11	13	24	532
Total	415	352	767	433	786	1219	43	32	75	2061
Grand Total	853	693	1546	911	1544	2455	107	73	180	4181
Apprch %	55.2	44.8		37.1	62.9		59.4	40.6		
Total %	20.4	16.6	37	21.8	36.9	58.7	2.6	1.7	4.3	

	Alameda Street Southbound			Alameda Street Northbound			State Route 91 Eastbound On / Off Ramps Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	106	88	194	122	173	295	**15**	8	**23**	512
04:30 PM	**112**	**106**	**218**	101	199	300	14	8	22	540
04:45 PM	98	81	179	**124**	**234**	**358**	11	8	19	**556**
05:00 PM	104	93	197	113	189	302	11	**11**	22	521
Total Volume	420	368	788	460	795	1255	51	35	86	2129
% App. Total	53.3	46.7		36.7	63.3		59.3	40.7		
PHF	.938	.868	.904	.927	.849	.876	.850	.795	.935	.957

Counts Unlimited, Inc.
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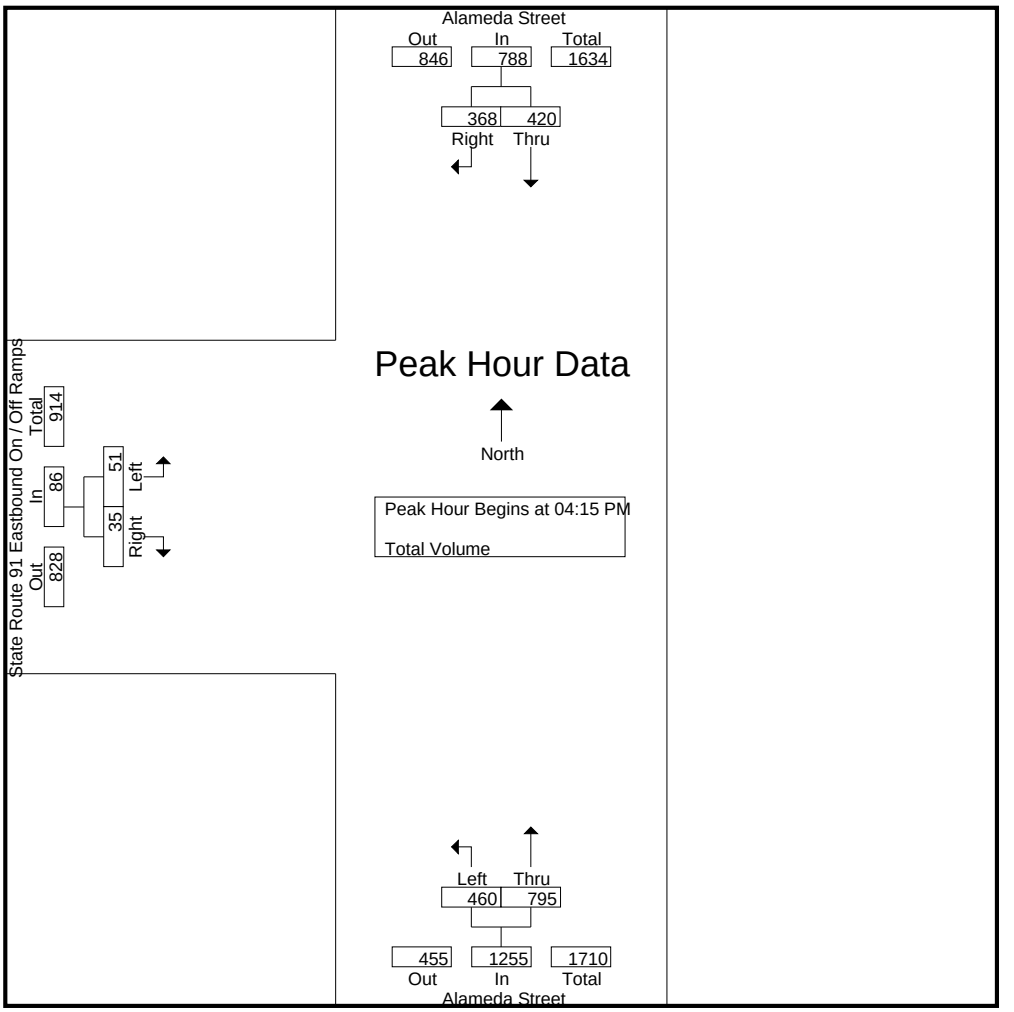

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:30 PM			04:15 PM			04:00 PM		
+0 mins.	**112**	**106**	**218**	122	173	295	**24**	**17**	**41**
+15 mins.	98	81	179	101	199	300	15	8	23
+30 mins.	104	93	197	**124**	**234**	**358**	14	8	22
+45 mins.	110	91	201	113	189	302	11	8	19
Total Volume	424	371	795	460	795	1255	64	41	105
% App. Total	53.3	46.7		36.7	63.3		61	39	
PHF	.946	.875	.912	.927	.849	.876	.667	.603	.640

APPENDIX B
Existing LOS Worksheets

Intersection Level Of Service Report
Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.534

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	153	25	51	26	65	64	22	225	205	37	328	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	153	25	51	26	65	64	22	225	205	37	328	19
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	38	6	13	7	16	16	6	56	51	9	82	5
Total Analysis Volume [veh/h]	153	25	51	26	65	64	22	225	205	37	328	19
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.11	0.03	0.02	0.10	0.10	0.01	0.14	0.13	0.02	0.22	0.22
Intersection LOS	A											
Intersection V/C	0.534											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.566

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	52	320	102	50	578	43	22	181	62	244	310	37
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	52	320	102	50	578	43	22	181	62	244	310	37
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	80	26	13	145	11	6	45	16	61	78	9
Total Analysis Volume [veh/h]	52	320	102	50	578	43	22	181	62	244	310	37
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.13	0.13	0.03	0.19	0.19	0.01	0.08	0.08	0.15	0.10	0.02
Intersection LOS	A											
Intersection V/C	0.566											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.539

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	100.00	137.00	100.00	100.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	129	7	9	272	22	5	10	12	5	23	8
Total Analysis Volume [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.16	0.02	0.02	0.34	0.06	0.01	0.02	0.03	0.01	0.04	0.04
Intersection LOS	A											
Intersection V/C	0.539											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	14.1
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.079

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	40	19	10	0	9	1	1	3	10	9	3	0
Total Analysis Volume [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.03	0.00
d_M, Delay for Movement [s/veh]	7.56	0.00	0.00	7.44	0.00	0.00	13.06	13.48	8.55	14.05	14.01	8.74
Movement LOS	A	A	A	A	A	A	B	B	A	B	B	A
95th-Percentile Queue Length [veh/ln]	0.34	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.06	0.35	0.35	0.00
95th-Percentile Queue Length [ft/ln]	8.58	0.00	0.00	0.05	0.05	0.05	2.10	2.10	1.40	8.84	8.84	0.00
d_A, Approach Delay [s/veh]	4.41			0.18			9.72			14.04		
Approach LOS	A			A			A			B		
d_I, Intersection Delay [s/veh]	5.71											
Intersection LOS	B											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.479

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	49	430	859	47	42	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	49	430	859	47	42	87
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	108	215	12	11	22
Total Analysis Volume [veh/h]	49	430	859	47	42	87
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.13	0.28	0.28	0.03	0.05
Intersection LOS	A					
Intersection V/C	0.479					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.605

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	163	441	875	63	35	189
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	163	441	875	63	35	189
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	41	110	219	16	9	47
Total Analysis Volume [veh/h]	163	441	875	63	35	189
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.14	0.27	0.04	0.02	0.12
Intersection LOS	B					
Intersection V/C	0.605					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.632

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	45	334	829	0	266	374
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	334	829	0	266	374
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	84	207	0	67	94
Total Analysis Volume [veh/h]	45	334	829	0	266	374
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.10	0.26	0.00	0.08	0.23
Intersection LOS	B					
Intersection V/C	0.632					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.599

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	45	21	107	101	0	25	0	0	0	0	1050	277
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	21	107	101	0	25	0	0	0	0	1050	277
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	5	27	25	0	6	0	0	0	0	263	69
Total Analysis Volume [veh/h]	45	21	107	101	0	25	0	0	0	0	1050	277
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.04	0.03	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.41	0.41
Intersection LOS	A											
Intersection V/C	0.599											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.559

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	1	35	16	195	1308	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	1	35	16	195	1308	23
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	9	4	49	327	6
Total Analysis Volume [veh/h]	1	35	16	195	1308	23
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.02	0.01	0.06	0.42	0.42
Intersection LOS	A					
Intersection V/C	0.559					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.519

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	71	0	20	173	1123	652
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	71	0	20	173	1123	652
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	18	0	5	43	281	163
Total Analysis Volume [veh/h]	71	0	20	173	1123	652
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.00	0.01	0.05	0.35	0.00
Intersection LOS	A					
Intersection V/C	0.519					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.568

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	99	270	945	0	110	159
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	99	270	945	0	110	159
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	68	236	0	28	40
Total Analysis Volume [veh/h]	99	270	945	0	110	159
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.08	0.30	0.00	0.07	0.10
Intersection LOS	A					
Intersection V/C	0.568					

Intersection Level Of Service Report
Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.797

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	380	140	98	11	108	24	88	534	441	33	209	29
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	380	140	98	11	108	24	88	534	441	33	209	29
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	95	35	25	3	27	6	22	134	110	8	52	7
Total Analysis Volume [veh/h]	380	140	98	11	108	24	88	534	441	33	209	29
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.24	0.33	0.06	0.01	0.09	0.09	0.06	0.33	0.28	0.02	0.15	0.15
Intersection LOS	C											
Intersection V/C	0.797											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.730

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	58	529	240	112	544	25	49	495	55	219	165	52
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	58	529	240	112	544	25	49	495	55	219	165	52
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	132	60	28	136	6	12	124	14	55	41	13
Total Analysis Volume [veh/h]	58	529	240	112	544	25	49	495	55	219	165	52
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.24	0.24	0.07	0.18	0.18	0.03	0.17	0.17	0.14	0.05	0.03
Intersection LOS	C											
Intersection V/C	0.730											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.880

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	100.00	137.00	100.00	100.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	28	1248	62	46	586	23	126	520	172	41	38	60
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	28	1248	62	46	586	23	126	520	172	41	38	60
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	312	16	12	147	6	32	130	43	10	10	15
Total Analysis Volume [veh/h]	28	1248	62	46	586	23	126	520	172	41	38	60
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.39	0.04	0.03	0.18	0.01	0.08	0.33	0.11	0.03	0.03	0.03
Intersection LOS	D											
Intersection V/C	0.880											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	23.8
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.209

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	81	64	34	4	82	6	11	21	554	51	13	4
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	81	64	34	4	82	6	11	21	554	51	13	4
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	16	9	1	21	2	3	5	139	13	3	1
Total Analysis Volume [veh/h]	81	64	34	4	82	6	11	21	554	51	13	4
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.57	0.21	0.02	0.00
d_M, Delay for Movement [s/veh]	7.52	0.00	0.00	7.41	0.00	0.00	11.71	12.07	10.16	23.76	15.53	8.69
Movement LOS	A	A	A	A	A	A	B	B	B	C	C	A
95th-Percentile Queue Length [veh/ln]	0.17	0.00	0.00	0.01	0.01	0.01	0.19	0.19	1.19	0.90	0.90	0.01
95th-Percentile Queue Length [ft/ln]	4.26	0.00	0.00	0.20	0.20	0.20	4.63	4.63	29.71	22.61	22.61	0.31
d_A, Approach Delay [s/veh]	3.40			0.32			10.26			21.30		
Approach LOS	A			A			B			C		
d_I, Intersection Delay [s/veh]	8.76											
Intersection LOS	C											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.490

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	105	732	633	62	129	153
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	105	732	633	62	129	153
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	26	183	158	16	32	38
Total Analysis Volume [veh/h]	105	732	633	62	129	153
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.23	0.22	0.22	0.08	0.10
Intersection LOS	A					
Intersection V/C	0.490					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.682

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	285	754	719	71	93	269
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	285	754	719	71	93	269
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	71	189	180	18	23	67
Total Analysis Volume [veh/h]	285	754	719	71	93	269
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.18	0.24	0.22	0.04	0.06	0.17
Intersection LOS	B					
Intersection V/C	0.682					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.555

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	198	629	657	0	368	112
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	198	629	657	0	368	112
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	50	157	164	0	92	28
Total Analysis Volume [veh/h]	198	629	657	0	368	112
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.12	0.20	0.21	0.00	0.12	0.07
Intersection LOS	A					
Intersection V/C	0.555					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.943

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	99	47	1073	713	0	38	0	0	0	0	754	123
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	99	47	1073	713	0	38	0	0	0	0	754	123
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	12	268	178	0	10	0	0	0	0	189	31
Total Analysis Volume [veh/h]	99	47	1073	713	0	38	0	0	0	0	754	123
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.09	0.34	0.22	0.00	0.02	0.00	0.00	0.00	0.00	0.27	0.27
Intersection LOS	E											
Intersection V/C	0.943											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.688

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	14	35	49	1776	870	51
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	14	35	49	1776	870	51
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	4	9	12	444	218	13
Total Analysis Volume [veh/h]	14	35	49	1776	870	51
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.02	0.03	0.56	0.29	0.29
Intersection LOS	B					
Intersection V/C	0.688					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.764

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	204	0	96	1680	607	408
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	204	0	96	1680	607	408
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	51	0	24	420	152	102
Total Analysis Volume [veh/h]	204	0	96	1680	607	408
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.13	0.00	0.06	0.53	0.19	0.00
Intersection LOS	C					
Intersection V/C	0.764					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.562

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	460	795	420	0	51	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	460	795	420	0	51	35
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	115	199	105	0	13	9
Total Analysis Volume [veh/h]	460	795	420	0	51	35
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.29	0.25	0.13	0.00	0.03	0.02
Intersection LOS	A					
Intersection V/C	0.562					

APPENDIX C1
Detailed Trip Generation by Land Use – Proposed Project

JB61295 Compton Artesia Station Blue Line TOD

Primary Alternative- Trip Generation Table

Land Use	Intensity	Units	Daily Total	AM Peak			PM Peak		
				Total	In	Out	Total	In	Out
Trip Generation Rates									
Mid-Rise Multifamily Housing (ITE 221)	-	d.u.	5.44	0.36	26%	74%	0.44	61%	38%
General Office (ITE 710)	-		9.74	1.16	86%	14%	1.15	16%	84%
Shopping Center (ITE 820)	-	k.s.f	37.75	0.94	62%	38%	3.81	48%	52%
Church (ITE 560)	-	k.s.f	6.95	0.33	60%	40%	0.49	45%	55%
Museum	-	k.s.f	2.8	0.28	86%	14%	0.18	16%	84%
Community Center (ITE 495)	-	k.s.f	28.82	1.76	66%	34%	2.31	47%	53%
Park (ITE 411)	-	a	0.02	4.59E-04	62%	38%	0.003	48%	52%
Light Industrial (ITE 110)$_1$	-	k.s.f	4.96	0.70	88%	12%	0.63	13%	87%
SUB-AREA 1 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	660	d.u.	3,590	238	62	176	290	177	113
Shopping Center (ITE 820)	3.753	k.s.f	142	4	2	2	14	7	7
General Office (ITE 710)	76.462	k.s.f	745	89	77	12	88	14	74
Sub-Area 1 Gross Sub-Total			**4,477**	**331**	**141**	**190**	**392**	**198**	**194**
Internal Capture Trip Reduction2									
Mid-Rise Multifamily Housing (ITE 221)				*3*	*0*	*3*	*8*	*3*	*5*
Shopping Center (ITE 820)				*2*	*1*	*1*	*3*	*1*	*2*
General Office (ITE 710)				*4*	*3*	*1*	*6*	*4*	*2*
Sub-Area Reduced Sub-Total			**4,451**	**322**	**137**	**185**	**375**	**190**	**185**
Transit Reduction									
Mid-Rise Multifamily Housing (ITE 221)			1,228	*80*	*21*	*59*	*96*	*60*	*37*
Shopping Center (ITE 820)			49	*1*	*0*	*0*	*4*	*2*	*2*
General Office (ITE 710)			255	*29*	*25*	*4*	*28*	*3*	*25*
Sub-Area Reduced Sub-Total			**2,920**	**212**	**90**	**122**	**247**	**125**	**122**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*2*	*1*	*1*
Sub-Area 1 Net Total			**2,917**	**212**	**90**	**122**	**244**	**124**	**121**
SUB-AREA 2 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	1288	d.u.	7,007	464	121	343	567	346	221
Shopping Center (ITE 820)	70.595	k.s.f	2,665	66	41	25	269	129	140
Church (ITE 560)	32.25	k.s.f	224	11	7	4	16	7	9
Museum	32.25	k.s.f	90	9	8	1	6	1	5
Community Center (ITE 495)	32.25	k.s.f	929	57	38	19	74	35	39
Park (ITE 411)	32.25	k.s.f	1	0	0	0	0	0	0
Sub-Area 2 Gross Sub-Total			**10,916**	**607**	**215**	**392**	**932**	**518**	**414**
Internal Capture Trip Reduction2									
Mid-Rise Multifamily Housing (ITE 221)				*6*	*2*	*4*	*54*	*41*	*13*
Shopping Center (ITE 820)				*6*	*4*	*2*	*60*	*18*	*42*
Other Uses				*0*	*0*	*0*	*15*	*6*	*9*
Sub-Area Reduced Sub-Total			**10,775**	**595**	**209**	**386**	**803**	**453**	**350**
Transit Reduction									
Mid-Rise Multifamily Housing (ITE 221)			2,396	*157*	*41*	*116*	*175*	*104*	*71*
Shopping Center (ITE 820)			911	*21*	*13*	*8*	*71*	*38*	*34*
Other Uses				*0*	*0*	*0*	*5*	*2*	*3*
Sub-Area Reduced Sub-Total			**7,467**	**418**	**156**	**262**	**556**	**309**	**242**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*47*	*25*	*22*
Sub-Area 2 Net Total			**7,420**	**418**	**156**	**262**	**509**	**284**	**220**
SUB-AREA 3 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	459	d.u.	2,497	165	43	122	202	123	79
Shopping Center (ITE 820)	22.972	k.s.f	867	22	14	8	88	42	46
General Office (ITE 710)	22.972	k.s.f	224	27	23	4	26	4	22
Sub-Area 3 Gross Sub-Total			**3,588**	**214**	**80**	**134**	**316**	**169**	**147**
Internal Capture Trip Reduction2									
Mid-Rise Multifamily Housing (ITE 221)				*3*	*1*	*2*	*19*	*13*	*6*
Shopping Center (ITE 820)				*5*	*3*	*2*	*21*	*8*	*13*
General Office (ITE 710)				*3*	*2*	*1*	*7*	*3*	*4*
Sub-Area Reduced Sub-Total			**3,530**	**203**	**74**	**129**	**269**	**145**	**124**
Transit Reduction									
Mid-Rise Multifamily Housing (ITE 221)			854	*55*	*14*	*41*	*63*	*38*	*25*
Shopping Center (ITE 820)			297	*6*	*4*	*2*	*23*	*12*	*11*
General Office (ITE 710)			77	*8*	*7*	*1*	*6*	*0*	*6*
Sub-Area Reduced Sub-Total			**2,303**	**134**	**49**	**85**	**177**	**95**	**82**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*15*	*8*	*7*
Sub-Area 3 Net Total			**2,288**	**134**	**49**	**85**	**162**	**88**	**74**
SUB-AREA 4 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	526	d.u.	2,861	189	49	140	231	141	90
Shopping Center (ITE 820)	26.296	k.s.f	993	25	16	9	100	48	52
General Office (ITE 710)	26.296	k.s.f	256	31	27	4	30	5	25
Sub-Area 4 Gross Sub-Total			**4,110**	**245**	**92**	**153**	**361**	**194**	**167**
Internal Capture Trip Reduction2									
Mid-Rise Multifamily Housing (ITE 221)				*2*	*0*	*2*	*23*	*15*	*8*

JB61295 Compton Artesia Station Blue Line TOD

Primary Alternative- Trip Generation Table

Land Use	Intensity	Units	Daily Total	AM Peak			PM Peak		
				Total	In	Out	Total	In	Out
Shopping Center (ITE 820)				*5*	*3*	*2*	*23*	*9*	*14*
General Office (ITE 710)				*3*	*2*	*1*	*8*	*4*	*4*
Sub-Area Reduced Sub-Total			**4,046**	**235**	**87**	**148**	**307**	**166**	**141**
Transit Reduction									
Mid-Rise Multifamily Housing (ITE 221)			978	*64*	*17*	*47*	*71*	*43*	*28*
Shopping Center (ITE 820)			340	*7*	*4*	*2*	*26*	*13*	*13*
General Office (ITE 710)			88	*10*	*9*	*1*	*8*	*0*	*7*
Sub-Area Reduced Sub-Total			**2,640**	**155**	**57**	**97**	**202**	**109**	**93**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*17*	*9*	*9*
Sub-Area 4 Net Total			**2,623**	**155**	**57**	**97**	**185**	**101**	**84**
SUB-AREA 5 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	749	d.u.	4,075	270	70	200	330	201	129
Shopping Center (ITE 820)	37.442	k.s.f	1,413	35	22	13	143	69	74
General Office (ITE 710)	37.442	k.s.f	365	43	37	6	43	7	36
Sub-Area 5 Gross Sub-Total			**5,853**	**348**	**129**	**219**	**516**	**277**	**239**
Internal Capture Trip Reduction2									
Mid-Rise Multifamily Housing (ITE 221)				*5*	*1*	*4*	*31*	*20*	*11*
Shopping Center (ITE 820)				*6*	*3*	*3*	*33*	*13*	*20*
General Office (ITE 710)				*5*	*3*	*2*	*13*	*6*	*7*
Sub-Area Reduced Sub-Total			**5,760**	**332**	**122**	**210**	**439**	**238**	**201**
Transit Reduction									
Mid-Rise Multifamily Housing (ITE 221)			1,394	*91*	*24*	*67*	*102*	*62*	*40*
Shopping Center (ITE 820)			483	*10*	*6*	*3*	*38*	*19*	*18*
General Office (ITE 710)			125	*13*	*12*	*1*	*10*	*0*	*10*
Sub-Area Reduced Sub-Total			**3,758**	**218**	**80**	**138**	**289**	**157**	**132**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*25*	*13*	*12*
Sub-Area 5 Net Total			**3,734**	**218**	**80**	**138**	**264**	**144**	**120**
SUB-AREA 6 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	530	d.u.	2,883	191	50	141	233	142	91
Shopping Center (ITE 820)	26.494	k.s.f	1,000	25	16	9	101	48	53
General Office (ITE 710)	26.494	k.s.f	258	31	27	4	30	5	25
Sub-Area 6 Gross Sub-Total			**4,141**	**247**	**93**	**154**	**364**	**195**	**169**
Internal Capture Trip Reduction2									
Mid-Rise Multifamily Housing (ITE 221)				*3*	*1*	*2*	*22*	*14*	*8*
Shopping Center (ITE 820)				*5*	*3*	*2*	*23*	*9*	*14*
General Office (ITE 710)				*3*	*2*	*1*	*8*	*4*	*4*
Sub-Area Reduced Sub-Total			**4,077**	**236**	**87**	**149**	**311**	**168**	**143**
Transit Reduction									
Mid-Rise Multifamily Housing (ITE 221)			986	*64*	*17*	*48*	*72*	*44*	*28*
Shopping Center (ITE 820)			342	*7*	*4*	*2*	*27*	*13*	*13*
General Office (ITE 710)			88	*10*	*9*	*1*	*8*	*0*	*7*
Sub-Area Reduced Sub-Total			**2,661**	**155**	**57**	**98**	**205**	**111**	**94**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*17*	*9*	*9*
Sub-Area 6 Net Total			**2,643**	**155**	**57**	**98**	**187**	**102**	**85**
SUB-AREA 7 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	590	d.u.	3,210	212	55	157	260	159	101
Shopping Center (ITE 820)	29.522	k.s.f	1,114	28	17	11	112	54	58
General Office (ITE 710)	29.522	k.s.f	288	34	29	5	34	5	29
Sub-Area 7 Gross Sub-Total			**4,612**	**274**	**101**	**173**	**406**	**218**	**188**
Internal Capture Trip Reduction2									
Mid-Rise Multifamily Housing (ITE 221)				*3*	*1*	*2*	*24*	*15*	*9*
Shopping Center (ITE 820)				*6*	*3*	*3*	*27*	*10*	*17*
General Office (ITE 710)				*3*	*2*	*1*	*9*	*4*	*5*
Sub-Area Reduced Sub-Total			**4,540**	**262**	**95**	**167**	**346**	**189**	**157**
Transit Reduction									
Mid-Rise Multifamily Housing (ITE 221)			1,098	*71*	*18*	*53*	*81*	*49*	*31*
Shopping Center (ITE 820)			381	*8*	*5*	*3*	*29*	*15*	*14*
General Office (ITE 710)			98	*11*	*9*	*1*	*9*	*0*	*8*
Sub-Area Reduced Sub-Total			**2,963**	**172**	**63**	**110**	**228**	**124**	**103**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*19*	*10*	*9*
Sub-Area 7 Net Total			**2,944**	**172**	**63**	**110**	**209**	**115**	**94**
Project Total			**24,570**	**1,464**	**552**	**912**	**1,760**	**958**	**798**

Source: ITE Trip Generation, 10th Edition

1. Trip generation based on acres. 1 acre= 43,560 square feet or 43.6 KSF

k.s.f. = 1,000 square feet

PM pass-by for shopping center, as defined by ITE Trip Genration Handbook, is 34 percent.

Transit credit of 34.2% applied to all land uses, based on average of surveys of TOD developments, Ewing et.al, University of Utah, 2017.

APPENDIX C2
Detailed Trip Generation by Land Use – Alternate Scenario

JB61295 Compton Artesia Station Blue Line TOD
Secondary Alternative- Trip Generation Table

Land Use	Intensity	Units	Daily Total	AM Peak			PM Peak		
				Total	In	Out	Total	In	Out
Trip Generation Rates									
Mid-Rise Multifamily Housing (ITE 221)	-	units	5.44	0.36	26%	74%	0.44	61%	38%
General Office (ITE 710)	-		9.74	1.16	86%	14%	1.15	16%	84%
Shopping Center (ITE 820)	-	k.s.f	37.75	0.94	62%	38%	3.81	48%	52%
Church (ITE 560)	-	k.s.f	6.95	0.33	60%	40%	0.49	45%	55%
Museum	-	k.s.f	2.8	0.28	86%	14%	0.18	16%	84%
Community Center (ITE 495)	-	k.s.f	28.82	1.76	66%	34%	2.31	47%	53%
Park (ITE 411)	-	acres	0.02	4.59E-04	62%	38%	0.003	48%	52%
Light Industrial (ITE 150)$_1$	-	k.s.f	4.96	0.70	88%	12%	0.63	13%	87%
SUB-AREA 1 Trip Generation									
Shopping Center (ITE 820)	5	k.s.f	189	5	3	2	19	9	10
Light Industrial (ITE 150)$_1$	75	k.s.f	372	53	47	6	47	6	41
Sub-Area 1 Gross Sub-Total			**561**	**58**	**50**	**8**	**66**	**15**	**51**
Internal Capture Trip Reduction									
Shopping Center				*0*	*0*	*0*	*0*	*0*	*0*
Light Industrial				*0*	*0*	*0*	*0*	*0*	*0*
Sub-Area Reduced Sub-Total			**561**	**58**	**50**	**8**	**66**	**15**	**51**
Transit Reduction									
Shopping Center			65	*2*	*1*	*1*	*6*	*3*	*3*
Light Industrial			127	*18*	*16*	*2*	*16*	*2*	*14*
Sub-Area Reduced Sub-Total			**369**	**38**	**33**	**5**	**43**	**10**	**34**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*4*	*2*	*2*
Sub-Area 1 Net Total			**365**	**38**	**33**	**5**	**39**	**8**	**31**
SUB-AREA 2 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	515	d.u.	2,802	185	48	137	227	138	89
Shopping Center (ITE 820)	20.612	k.s.f	778	19	12	7	79	38	41
General Office (ITE 710)	25.765	k.s.f	251	30	26	4	30	5	25
Church (ITE 560)	32.25	k.s.f	224	11	7	4	16	7	9
Museum	32.25	k.s.f	90	9	8	1	6	1	5
Community Center (ITE 495)	32.25	k.s.f	929	57	38	19	74	35	39
Park (ITE 411)	32.25	k.s.f	0	0	0	0	0	0	0
Sub-Total			**5,074**	**311**	**139**	**172**	**432**	**224**	**208**
Internal Capture Trip Reduction									
Mid-Rise Multifamily Housing				*3*	*0*	*3*	*21*	*15*	*6*
Shopping Center				*4*	*3*	*1*	*21*	*8*	*13*
Office				*3*	*2*	*1*	*7*	*4*	*4*
Cultural				*0*	*0*	*0*	*7*	*1*	*6*
Sub-Area Reduced Sub-Total			**5,007**	**301**	**134**	**167**	**375**	**196**	**179**
Transit Reduction									
Mid-Rise Multifamily Housing			958	*62*	*16*	*46*	*70*	*42*	*28*
Shopping Center			266	*5*	*3*	*2*	*20*	*10*	*10*
Office			86	*9*	*8*	*1*	*8*	*0*	*7*
Cultural			425	*26*	*18*	*8*	*30*	*14*	*16*
Sub-Area Reduced Sub-Total			**3,272**	**198**	**88**	**110**	**247**	**129**	**118**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*13*	*7*	*6*
Sub-Area 2 Net Total			**3,259**	**198**	**88**	**110**	**234**	**122**	**112**
SUB-AREA 3 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	209	d.u.	1,137	75	20	55	92	56	36
Shopping Center (ITE 820)	8.353	k.s.f	315	8	5	3	32	15	17
General Office (ITE 710)	10.442	k.s.f	102	12	10	2	12	2	10
Sub-Total			**1,554**	**95**	**35**	**60**	**136**	**73**	**63**
Internal Capture Trip Reduction									
Mid-Rise Multifamily Housing				*1*	*1*	*1*	*7*	*4*	*3*
Shopping Center				*3*	*1*	*2*	*7*	*3*	*4*
Office				*1*	*1*	*1*	*3*	*1*	*1*
Sub-Area Reduced Sub-Total			**1,531**	**89**	**32**	**57**	**119**	**64**	**54**
Transit Reduction									
Mid-Rise Multifamily Housing			389	*25*	*7*	*19*	*29*	*18*	*11*
Shopping Center			108	*2*	*1*	*1*	*9*	*4*	*4*
Office			35	*4*	*3*	*0*	*3*	*0*	*3*
Sub-Area Reduced Sub-Total			**1,000**	**59**	**21**	**38**	**78**	**42**	**36**
Pass-by Reduction									
Shopping Center (ITE 820)				*0*	*0*	*0*	*6*	*3*	*3*
Sub-Area 3 Net Total			**994**	**59**	**21**	**38**	**73**	**40**	**33**
SUB-AREA 4 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	263	d.u.	1,431	95	25	70	116	71	45
Shopping Center (ITE 820)	10.518	k.s.f	397	10	6	4	40	19	21
General Office (ITE 710)	13.148	k.s.f	128	15	13	2	15	2	13
Sub-Total			**1,956**	**120**	**44**	**76**	**171**	**92**	**79**
Internal Capture Trip Reduction									
Mid-Rise Multifamily Housing				*2*	*1*	*1*	*8*	*6*	*3*
Shopping Center				*3*	*2*	*1*	*10*	*4*	*7*

JB61295 Compton Artesia Station Blue Line TOD
Secondary Alternative- Trip Generation Table

Land Use	Intensity	Units	Daily Total	AM Peak			PM Peak		
				Total	In	Out	Total	In	Out
Office				2	1	1	3	1	1
Sub-Area Reduced Sub-Total			**1,928**	**113**	**40**	**73**	**150**	**81**	**68**
Transit Reduction									
Mid-Rise Multifamily Housing			489	32	8	23	37	22	14
Shopping Center			136	2	2	1	10	5	5
Office			44	4	4	0	4	0	4
Sub-Area Reduced Sub-Total			**1,259**	**74**	**27**	**48**	**99**	**54**	**45**
Pass-by Reduction									
Shopping Center (ITE 820)				0	0	0	7	3	3
Sub-Area 4 Net Total			**1,252**	**74**	**27**	**48**	**92**	**50**	**42**
SUB-AREA 5 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	374	d.u.	2,035	135	35	100	165	101	64
Shopping Center (ITE 820)	14.977	k.s.f	565	14	9	5	57	27	30
General Office (ITE 710)	18.721	k.s.f	182	22	19	3	22	4	18
Sub-Total			**2,782**	**171**	**63**	**108**	**244**	**132**	**112**
Internal Capture Trip Reduction									
Mid-Rise Multifamily Housing				2	1	1	14	9	5
Shopping Center				3	1	1	13	4	9
Office				2	1	1	6	3	3
Sub-Area Reduced Sub-Total			**2,743**	**164**	**60**	**105**	**211**	**116**	**95**
Transit Reduction									
Mid-Rise Multifamily Housing			696	46	12	34	52	31	20
Shopping Center			193	4	3	1	15	8	7
Office			62	7	6	1	6	0	5
Sub-Area Reduced Sub-Total			**1,791**	**108**	**39**	**69**	**139**	**76**	**63**
Pass-by Reduction									
Shopping Center (ITE 820)				0	0	0	10	5	5
Sub-Area 5 Net Total			**1,782**	**108**	**39**	**69**	**129**	**71**	**58**
SUB-AREA 6 Trip Generation									
Mid-Rise Multifamily Housing (ITE 221)	265	d.u.	1,442	95	25	70	117	71	46
Shopping Center (ITE 820)	10.597	k.s.f	400	10	6	4	40	19	21
General Office (ITE 710)	13.247	k.s.f	129	15	13	2	15	2	13
Sub-Total			**1,971**	**120**	**44**	**76**	**172**	**92**	**80**
Internal Capture Trip Reduction									
Mid-Rise Multifamily Housing				2	1	1	8	6	3
Shopping Center				3	2	1	10	4	7
Office				2	1	1	3	1	1
Sub-Area Reduced Sub-Total			**1,943**	**113**	**40**	**73**	**151**	**81**	**69**
Transit Reduction									
Mid-Rise Multifamily Housing			493	32	8	23	37	22	15
Shopping Center			137	2	2	1	10	5	5
Office			44	4	4	0	4	0	4
Sub-Area Reduced Sub-Total			**1,269**	**74**	**27**	**48**	**99**	**54**	**46**
Pass-by Reduction									
Shopping Center (ITE 820)				0	0	0	7	3	3
Sub-Area 6 Net Total			**1,262**	**74**	**27**	**48**	**92**	**50**	**42**
SUB-AREA 7 Trip Generation									
Shopping Center (ITE 820)	5	k.s.f	189	5	3	2	19	9	10
Light Industrial (ITE 150)[1]	75	k.s.f	372	53	47	6	47	6	41
Sub-Total			**561**	**58**	**50**	**8**	**66**	**15**	**51**
Internal Capture Trip Reduction [2]									
Shopping Center				0	0	0	0	0	0
Light Industrial				0	0	0	0	0	0
Sub-Area Reduced Sub-Total			**561**	**58**	**50**	**8**	**66**	**15**	**51**
Transit Reduction									
Shopping Center				2	1	1	6	3	3
Light Industrial				18	16	2	16	2	14
Sub-Area Reduced Sub-Total			**561**	**38**	**33**	**5**	**43**	**10**	**34**
Pass-by Reduction									
Shopping Center (ITE 820)				0	0	0	4	2	2
Sub-Area 7 Net Total			**561**	**38**	**33**	**5**	**39**	**8**	**31**
Project Total			**9,474**	**589**	**268**	**323**	**698**	**349**	**349**

Source: ITE Trip Generation, 10th Edition

1. Trip generation based on acres. 1 acre= 43,560 square feet or 43.6 KSF

k.s.f. = 1,000 square feet

PM pass-by for shopping center, as defined by ITE Trip Genration Handbook, is 34 percent.

Transit credit of 34.2% applied to all land uses, based on average of surveys of TOD developments, Ewing et.al, University of Utah, 2017.

APPENDIX D1
NCHRP Internal Trip Calculations – Proposed Project

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Sub-Area 1 Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				89	77	12
Retail				4	2	2
Restaurant				0		
Cinema/Entertainment				0		
Residential				238	62	176
Hotel				0		
All Other Land Uses[2]				0		
Total				331	141	190

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	1		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	3	1	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	464	198	266
Internal Capture Percentage	3%	3%	2%
External Vehicle-Trips[3]	322	137	185
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	4%	6%
Retail	67%	33%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	0%	2%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	77	108	1.40	12	17
Retail	1.40	2	3	1.40	2	3
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	62	87	1.40	176	246
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	11	0	0	0
Retail	1		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	5	2	49	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	4		0	0	2	0
Restaurant	15	0		0	4	0
Cinema/Entertainment	0	0	0		0	0
Residential	3	1	0	0		0
Hotel	3	0	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	4	104	108	74	0	0
Retail	2	1	3	1	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	87	87	62	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	16	17	11	0	0
Retail	1	2	3	1	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	4	242	246	173	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Sub-Area 1 Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				88	14	74
Retail				14	7	7
Restaurant				0		
Cinema/Entertainment				0		
Residential				290	177	113
Hotel				0		
All Other Land Uses[2]				0		
Total				392	198	194

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	2	0
Retail	0		0	0	3	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	6	1	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	550	278	272
Internal Capture Percentage	5%	5%	5%
External Vehicle-Trips[3]	375	190	185
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	30%	3%
Retail	20%	30%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	2%	4%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	14	20	1.40	74	104
Retail	1.40	7	10	1.40	7	10
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	177	248	1.40	113	158
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		21	4	0	2	0
Retail	0		3	0	3	1
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	6	66	33	0		5
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	10	0
Retail	6		0	0	114	0
Restaurant	6	5		0	40	0
Cinema/Entertainment	1	0	0		10	0
Residential	11	1	0	0		0
Hotel	0	0	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	6	14	20	10	0	0
Retail	2	8	10	6	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	5	243	248	174	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	3	101	104	72	0	0
Retail	3	7	10	5	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	7	151	158	108	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 2	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				0		
Retail				66	41	25
Restaurant				0		
Cinema/Entertainment				77	53	24
Residential				464	121	343
Hotel				0		
All Other Land Uses[2]				0		
Total				607	215	392

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office						
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	0		0	0	3	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	5	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	849	300	549
Internal Capture Percentage	2%	3%	1%
External Vehicle-Trips[3]	595	209	386
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	N/A	N/A
Retail	9%	9%
Restaurant	N/A	N/A
Cinema/Entertainment	0%	0%
Residential	2%	1%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.00	0	0	1.00	0	0
Retail	1.40	41	57	1.40	25	35
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	53	74	1.40	24	34
Residential	1.40	121	169	1.40	343	480
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	10		5	0	5	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	10	5	96	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		18	0	0	0	0
Retail	0		0	0	3	0
Restaurant	0	5		0	8	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	10	0	0		0
Hotel	0	2	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	5	52	57	37	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	74	74	53	0	0
Residential	3	166	169	119	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	3	32	35	23	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	34	34	24	0	0
Residential	5	475	480	339	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 2	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				0		
Retail				269	129	140
Restaurant				0		
Cinema/Entertainment				96	43	53
Residential				567	346	221
Hotel				0		
All Other Land Uses[2]				0		
Total				932	518	414

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office						
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	0		0	8	51	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	7	0		6	0
Residential	0	18	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	1,304	725	579
Internal Capture Percentage	14%	12%	16%
External Vehicle-Trips[3]	803	453	350
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	N/A	N/A
Retail	14%	30%
Restaurant	N/A	N/A
Cinema/Entertainment	13%	18%
Residential	12%	6%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.00	0	0	1.00	0	0
Retail	1.40	129	181	1.40	140	196
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	43	60	1.40	53	74
Residential	1.40	346	484	1.40	221	309
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	4		57	8	51	10
Restaurant	0	0		0	0	0
Cinema/Entertainment	1	16	23		6	1
Residential	12	130	65	0		9
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		14	0	1	19	0
Retail	0		0	16	223	0
Restaurant	0	91		19	77	0
Cinema/Entertainment	0	7	0		19	0
Residential	0	18	0	0		0
Hotel	0	4	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	25	156	181	111	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	8	52	60	37	0	0
Residential	57	427	484	305	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	59	137	196	98	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	13	61	74	44	0	0
Residential	18	291	309	208	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 3	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				27	23	4
Retail				22	14	8
Restaurant				0		
Cinema/Entertainment				0		
Residential				165	43	122
Hotel				0		
All Other Land Uses[2]				0		
Total				214	80	134

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	1		0	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	2	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	300	112	188
Internal Capture Percentage	5%	6%	4%
External Vehicle-Trips[3]	203	74	129
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	6%	33%
Retail	20%	18%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	2%	2%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	23	32	1.40	4	6
Retail	1.40	14	20	1.40	8	11
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	43	60	1.40	122	171
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	4	0	0	0
Retail	3		1	0	2	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	3	2	34	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		6	0	0	0	0
Retail	1		0	0	1	0
Restaurant	4	2		0	3	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	3	0	0		0
Hotel	1	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	30	32	21	0	0
Retail	4	16	20	11	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	59	60	42	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	4	6	3	0	0
Retail	2	9	11	6	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	3	168	171	120	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 3	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				26	4	22
Retail				88	42	46
Restaurant				0		
Cinema/Entertainment				0		
Residential				202	123	79
Hotel				0		
All Other Land Uses[2]				0		
Total				316	169	147

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	0	0	1	0
Retail	1		0	0	17	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	3	6	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	443	237	206
Internal Capture Percentage	15%	14%	16%
External Vehicle-Trips[3]	269	145	124
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	67%	19%
Retail	19%	28%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	10%	8%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	4	6	1.40	22	31
Retail	1.40	42	59	1.40	46	64
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	123	172	1.40	79	111
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		6	1	0	1	0
Retail	1		19	3	17	3
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	47	23	0		3
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	0	0	7	0
Retail	2		0	0	79	0
Restaurant	2	30		0	28	0
Cinema/Entertainment	0	2	0		7	0
Residential	3	6	0	0		0
Hotel	0	1	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	4	2	6	1	0	0
Retail	11	48	59	34	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	18	154	172	110	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	6	25	31	18	0	0
Retail	18	46	64	33	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	9	102	111	73	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 4	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				31	27	4
Retail				25	16	9
Restaurant				0		
Cinema/Entertainment				0		
Residential				189	49	140
Hotel				0		
All Other Land Uses[2]				0		
Total				245	92	153

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	2		0	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	2	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	344	129	215
Internal Capture Percentage	5%	6%	4%
External Vehicle-Trips[3]	235	87	148
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	8%	33%
Retail	18%	23%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	1%	2%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	27	38	1.40	4	6
Retail	1.40	16	22	1.40	9	13
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	49	69	1.40	140	196
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	4	0	0	0
Retail	4		2	0	2	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	2	39	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		7	0	0	0	0
Retail	2		0	0	1	0
Restaurant	5	2		0	3	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	4	0	0		0
Hotel	1	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	3	35	38	25	0	0
Retail	4	18	22	13	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	68	69	49	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	4	6	3	0	0
Retail	3	10	13	7	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	3	193	196	138	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 4	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				30	5	25
Retail				100	48	52
Restaurant				0		
Cinema/Entertainment				0		
Residential				231	141	90
Hotel				0		
All Other Land Uses[2]				0		
Total				361	194	167

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	0	0	1	0
Retail	1		0	0	19	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	7	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	505	271	234
Internal Capture Percentage	15%	14%	16%
External Vehicle-Trips[3]	307	166	141
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	71%	17%
Retail	18%	27%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	10%	9%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	5	7	1.40	25	35
Retail	1.40	48	67	1.40	52	73
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	141	197	1.40	90	126
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		7	1	0	1	0
Retail	1		21	3	19	4
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	5	53	26	0		4
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	0	0	8	0
Retail	2		0	0	91	0
Restaurant	2	34		0	32	0
Cinema/Entertainment	0	3	0		8	0
Residential	4	7	0	0		0
Hotel	0	1	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	5	2	7	1	0	0
Retail	12	55	67	39	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	20	177	197	126	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	6	29	35	21	0	0
Retail	20	53	73	38	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	11	115	126	82	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 5	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				43	37	6
Retail				35	22	13
Restaurant				0		
Cinema/Entertainment				0		
Residential				270	70	200
Hotel				0		
All Other Land Uses[2]				0		
Total				348	129	219

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	2		0	0	2	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	3	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	487	181	306
Internal Capture Percentage	5%	6%	4%
External Vehicle-Trips[3]	332	122	210
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	8%	25%
Retail	16%	22%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	2%	2%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	37	52	1.40	6	8
Retail	1.40	22	31	1.40	13	18
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	70	98	1.40	200	280
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	5	0	0	0
Retail	5		2	0	3	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	6	3	56	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		10	0	0	0	0
Retail	2		0	0	2	0
Restaurant	7	2		0	5	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	5	0	0		0
Hotel	2	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	4	48	52	34	0	0
Retail	5	26	31	19	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	2	96	98	69	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	6	8	4	0	0
Retail	4	14	18	10	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	5	275	280	196	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 5	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				43	7	36
Retail				143	69	74
Restaurant				0		
Cinema/Entertainment				0		
Residential				330	201	129
Hotel				0		
All Other Land Uses[2]				0		
Total				516	277	239

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		8	0	0	1	0
Retail	2		0	0	27	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	6	10	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	723	388	335
Internal Capture Percentage	15%	14%	16%
External Vehicle-Trips[3]	439	238	201
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	80%	18%
Retail	19%	28%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	10%	9%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	7	10	1.40	36	50
Retail	1.40	69	97	1.40	74	104
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	201	281	1.40	129	181
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		10	2	0	1	0
Retail	2		30	4	27	5
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	7	76	38	0		5
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		8	0	0	11	0
Retail	3		0	0	129	0
Restaurant	3	49		0	45	0
Cinema/Entertainment	1	4	0		11	0
Residential	6	10	0	0		0
Hotel	0	2	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	8	2	10	1	0	0
Retail	18	79	97	56	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	28	253	281	181	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	9	41	50	29	0	0
Retail	29	75	104	54	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	16	165	181	118	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 6	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				31	27	4
Retail				25	16	9
Restaurant				0		
Cinema/Entertainment				0		
Residential				191	50	141
Hotel				0		
All Other Land Uses[2]				0		
Total				247	93	154

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	2		0	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	2	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	346	130	216
Internal Capture Percentage	5%	6%	4%
External Vehicle-Trips[3]	236	87	149
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	8%	33%
Retail	18%	23%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	1%	2%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	27	38	1.40	4	6
Retail	1.40	16	22	1.40	9	13
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	50	70	1.40	141	197
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	4	0	0	0
Retail	4		2	0	2	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	2	39	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		7	0	0	0	0
Retail	2		0	0	1	0
Restaurant	5	2		0	4	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	4	0	0		0
Hotel	1	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	3	35	38	25	0	0
Retail	4	18	22	13	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	69	70	49	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	4	6	3	0	0
Retail	3	10	13	7	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	3	194	197	139	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 6	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				30	5	25
Retail				101	48	53
Restaurant				0		
Cinema/Entertainment				0		
Residential				233	142	91
Hotel				0		
All Other Land Uses[2]				0		
Total				364	195	169

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	0	0	1	0
Retail	1		0	0	19	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	7	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	509	273	236
Internal Capture Percentage	15%	14%	16%
External Vehicle-Trips[3]	311	168	143
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	71%	17%
Retail	18%	27%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	10%	9%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	5	7	1.40	25	35
Retail	1.40	48	67	1.40	53	74
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	142	199	1.40	91	127
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		7	1	0	1	0
Retail	1		21	3	19	4
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	5	53	27	0		4
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	0	0	8	0
Retail	2		0	0	92	0
Restaurant	2	34		0	32	0
Cinema/Entertainment	0	3	0		8	0
Residential	4	7	0	0		0
Hotel	0	1	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	5	2	7	1	0	0
Retail	12	55	67	39	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	20	179	199	128	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	6	29	35	21	0	0
Retail	20	54	74	39	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	11	116	127	83	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 7	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				34	29	5
Retail				28	17	11
Restaurant				0		
Cinema/Entertainment				0		
Residential				212	55	157
Hotel				0		
All Other Land Uses[2]				0		
Total				274	101	173

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	2		0	0	2	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	2	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	384	142	242
Internal Capture Percentage	5%	6%	4%
External Vehicle-Trips[3]	262	95	167
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	7%	29%
Retail	17%	27%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	3%	1%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	29	41	1.40	5	7
Retail	1.40	17	24	1.40	11	15
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	55	77	1.40	157	220
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	4	0	0	0
Retail	4		2	0	2	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	2	44	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		8	0	0	0	0
Retail	2		0	0	2	0
Restaurant	6	2		0	4	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	4	0	0		0
Hotel	1	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	3	38	41	27	0	0
Retail	4	20	24	14	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	2	75	77	54	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	5	7	4	0	0
Retail	4	11	15	8	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	3	217	220	155	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Primary Alternative Build-out Sub-Area 7	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				34	5	29
Retail				112	54	58
Restaurant				0		
Cinema/Entertainment				0		
Residential				260	159	101
Hotel				0		
All Other Land Uses[2]				0		
Total				406	218	188

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment						
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		6	0	0	1	0
Retail	2		0	0	21	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	8	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	569	306	263
Internal Capture Percentage	15%	14%	16%
External Vehicle-Trips[3]	346	189	157
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	86%	17%
Retail	18%	28%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	10%	9%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	5	7	1.40	29	41
Retail	1.40	54	76	1.40	58	81
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.40	159	223	1.40	101	141
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		8	2	0	1	0
Retail	2		23	3	21	4
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	6	59	30	0		4
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		6	0	0	9	0
Retail	2		0	0	103	0
Restaurant	2	38		0	36	0
Cinema/Entertainment	0	3	0		9	0
Residential	4	8	0	0		0
Hotel	0	2	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	6	1	7	1	0	0
Retail	14	62	76	44	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	22	201	223	144	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	7	34	41	24	0	0
Retail	23	58	81	41	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	12	129	141	92	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

APPENDIX D2
NCHRP Internal Trip Calculations – Alternate Scenario

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				0		
Retail				5	3	2
Restaurant				0		
Cinema/Entertainment				0		
Residential				0	0	0
Hotel				0		
All Other Land Uses[2]				53	47	6
Total				58	50	8

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	0		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	60	51	9
Internal Capture Percentage	0%	0%	0%
External Vehicle-Trips[3]	58	50	8
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	N/A	N/A
Retail	0%	0%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	N/A	N/A
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	0	0	1.40	0	0
Retail	1.40	3	4	1.40	2	3
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	0	0	1.40	0	0
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	1		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	0		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	1	0	0		0
Hotel	0	0	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	0	4	4	3	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	47	47	47	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	0	3	3	2	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	6	6	6	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				0		
Retail				19	9	10
Restaurant				0		
Cinema/Entertainment				0		
Residential				0	0	0
Hotel				0		
All Other Land Uses[2]				47	6	41
Total				66	15	51

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	0		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	74	19	55
Internal Capture Percentage	0%	0%	0%
External Vehicle-Trips[3]	66	15	51
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	N/A	N/A
Retail	0%	0%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	N/A	N/A
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	0	0	1.40	0	0
Retail	1.40	9	13	1.40	10	14
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	0	0	1.40	0	0
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	0		4	1	4	1
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	0		0	0	0	0
Restaurant	0	7		0	0	0
Cinema/Entertainment	0	1	0		0	0
Residential	0	1	0	0		0
Hotel	0	0	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	0	13	13	9	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	6	6	6	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	0	14	14	10	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	41	41	41	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				30	26	4
Retail				19	12	7
Restaurant				0		
Cinema/Entertainment				77	53	24
Residential				185	48	137
Hotel				0		
All Other Land Uses[2]				0		
Total				311	139	172

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	1		0	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	2	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	436	194	242
Internal Capture Percentage	3%	4%	3%
External Vehicle-Trips[3]	301	133	168
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	6%	33%
Retail	24%	20%
Restaurant	N/A	N/A
Cinema/Entertainment	0%	0%
Residential	1%	2%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	26	36	1.40	4	6
Retail	1.40	12	17	1.40	7	10
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	53	74	1.40	24	34
Residential	1.40	48	67	1.40	137	192
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	4	0	0	0
Retail	3		1	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	2	38	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	0	0	0	0
Retail	1		0	0	1	0
Restaurant	5	1		0	3	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	3	0	0		0
Hotel	1	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	34	36	24	0	0
Retail	4	13	17	9	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	74	74	53	0	0
Residential	1	66	67	47	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	4	6	3	0	0
Retail	2	8	10	6	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	34	34	24	0	0
Residential	3	189	192	135	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				30	5	25
Retail				79	38	41
Restaurant				0		
Cinema/Entertainment				96	43	53
Residential				227	138	89
Hotel				0		
All Other Land Uses[2]				0		
Total				432	224	208

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		4	0	0	1	0
Retail	1		0	2	15	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	2	0		6	0
Residential	4	5	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	604	313	291
Internal Capture Percentage	13%	13%	14%
External Vehicle-Trips[3]	373	194	179
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	71%	14%
Retail	21%	32%
Restaurant	N/A	N/A
Cinema/Entertainment	3%	11%
Residential	11%	7%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	5	7	1.40	25	35
Retail	1.40	38	53	1.40	41	57
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	43	60	1.40	53	74
Residential	1.40	138	193	1.40	89	125
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		7	1	0	1	0
Retail	1		17	2	15	3
Restaurant	0	0		0	0	0
Cinema/Entertainment	1	16	23		6	1
Residential	5	53	26	0		4
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		4	0	1	8	0
Retail	2		0	16	89	0
Restaurant	2	27		19	31	0
Cinema/Entertainment	0	2	0		8	0
Residential	4	5	0	0		0
Hotel	0	1	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	5	2	7	1	0	0
Retail	11	42	53	30	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	2	58	60	41	0	0
Residential	22	171	193	122	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	5	30	35	21	0	0
Retail	18	39	57	28	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	8	66	74	47	0	0
Residential	9	116	125	83	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				12	10	2
Retail				8	5	3
Restaurant				0		
Cinema/Entertainment				0		
Residential				75	20	55
Hotel				0		
All Other Land Uses[2]				0		
Total				95	35	60

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	1		0	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	1	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	133	49	84
Internal Capture Percentage	6%	8%	5%
External Vehicle-Trips[3]	88	32	56
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	7%	33%
Retail	29%	50%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	4%	1%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	10	14	1.40	2	3
Retail	1.40	5	7	1.40	3	4
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	20	28	1.40	55	77
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	2	0	0	0
Retail	1		1	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	1	15	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	1		0	0	1	0
Restaurant	2	1		0	1	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	1	0	0		0
Hotel	0	0	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	13	14	9	0	0
Retail	2	5	7	4	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	27	28	19	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	2	3	1	0	0
Retail	2	2	4	1	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	76	77	54	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				12	2	10
Retail				32	15	17
Restaurant				0		
Cinema/Entertainment				0		
Residential				92	56	36
Hotel				0		
All Other Land Uses[2]				0		
Total				136	73	63

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	0		0	0	6	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	2	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	190	102	88
Internal Capture Percentage	13%	12%	14%
External Vehicle-Trips[3]	119	64	55
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	67%	14%
Retail	19%	25%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	8%	8%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	2	3	1.40	10	14
Retail	1.40	15	21	1.40	17	24
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	56	78	1.40	36	50
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		3	1	0	0	0
Retail	0		7	1	6	1
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	21	11	0		2
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	3	0
Retail	1		0	0	36	0
Restaurant	1	11		0	12	0
Cinema/Entertainment	0	1	0		3	0
Residential	2	2	0	0		0
Hotel	0	0	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	1	3	1	0	0
Retail	4	17	21	12	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	6	72	78	51	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	12	14	9	0	0
Retail	6	18	24	13	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	4	46	50	33	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				15	13	2
Retail				10	6	4
Restaurant				0		
Cinema/Entertainment				0		
Residential				95	25	70
Hotel				0		
All Other Land Uses[2]				0		
Total				120	44	76

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	1		0	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	1	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	168	61	107
Internal Capture Percentage	6%	8%	5%
External Vehicle-Trips[3]	112	39	73
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	11%	33%
Retail	25%	33%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	3%	2%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	13	18	1.40	2	3
Retail	1.40	6	8	1.40	4	6
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	25	35	1.40	70	98
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	2	0	0	0
Retail	2		1	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	1	20	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		3	0	0	0	0
Retail	1		0	0	1	0
Restaurant	3	1		0	2	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	1	0	0		0
Hotel	1	0	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	16	18	11	0	0
Retail	2	6	8	4	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	34	35	24	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	2	3	1	0	0
Retail	2	4	6	3	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	2	96	98	69	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				15	2	13
Retail				40	19	21
Restaurant				0		
Cinema/Entertainment				0		
Residential				116	71	45
Hotel				0		
All Other Land Uses[2]				0		
Total				171	92	79

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	1		0	0	8	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	3	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	239	129	110
Internal Capture Percentage	13%	12%	14%
External Vehicle-Trips[3]	149	82	67
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	67%	11%
Retail	19%	31%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	8%	6%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	2	3	1.40	13	18
Retail	1.40	19	27	1.40	21	29
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	71	99	1.40	45	63
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		4	1	0	0	0
Retail	1		8	1	8	1
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	3	26	13	0		2
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	4	0
Retail	1		0	0	46	0
Restaurant	1	14		0	16	0
Cinema/Entertainment	0	1	0		4	0
Residential	2	3	0	0		0
Hotel	0	1	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	1	3	1	0	0
Retail	5	22	27	16	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	8	91	99	65	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	16	18	11	0	0
Retail	9	20	29	14	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	4	59	63	42	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				22	19	3
Retail				14	9	5
Restaurant				0		
Cinema/Entertainment				0		
Residential				135	35	100
Hotel				0		
All Other Land Uses[2]				0		
Total				171	63	108

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	1		0	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	1	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	240	89	151
Internal Capture Percentage	4%	6%	3%
External Vehicle-Trips[3]	165	60	105
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	7%	25%
Retail	15%	29%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	2%	1%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	19	27	1.40	3	4
Retail	1.40	9	13	1.40	5	7
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	35	49	1.40	100	140
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	3	0	0	0
Retail	2		1	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	3	1	28	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		4	0	0	0	0
Retail	1		0	0	1	0
Restaurant	4	1		0	2	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	2	0	0		0
Hotel	1	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	25	27	18	0	0
Retail	2	11	13	8	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	48	49	34	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	3	4	2	0	0
Retail	2	5	7	4	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	2	138	140	99	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				22	4	18
Retail				57	27	30
Restaurant				0		
Cinema/Entertainment				0		
Residential				165	101	64
Hotel				0		
All Other Land Uses[2]				0		
Total				244	132	112

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		3	0	0	1	0
Retail	1		0	0	11	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	3	4	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	342	185	157
Internal Capture Percentage	13%	12%	15%
External Vehicle-Trips[3]	210	115	95
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	67%	16%
Retail	18%	29%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	9%	8%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	4	6	1.40	18	25
Retail	1.40	27	38	1.40	30	42
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	101	141	1.40	64	90
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	1	0	1	0
Retail	1		12	2	11	2
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	4	38	19	0		3
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		3	0	0	6	0
Retail	2		0	0	65	0
Restaurant	2	19		0	23	0
Cinema/Entertainment	0	2	0		6	0
Residential	3	4	0	0		0
Hotel	0	1	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	4	2	6	1	0	0
Retail	7	31	38	22	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	12	129	141	92	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	4	21	25	15	0	0
Retail	12	30	42	21	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	7	83	90	59	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				15	13	2
Retail				10	6	4
Restaurant				0		
Cinema/Entertainment				0		
Residential				95	25	70
Hotel				0		
All Other Land Uses[2]				0		
Total				120	44	76

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	1		0	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	1	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	168	61	107
Internal Capture Percentage	6%	8%	5%
External Vehicle-Trips[3]	112	39	73
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	11%	33%
Retail	25%	33%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	3%	2%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	13	18	1.40	2	3
Retail	1.40	6	8	1.40	4	6
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	25	35	1.40	70	98
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	2	0	0	0
Retail	2		1	0	1	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	2	1	20	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		3	0	0	0	0
Retail	1		0	0	1	0
Restaurant	3	1		0	2	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	1	0	0		0
Hotel	1	0	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	16	18	11	0	0
Retail	2	6	8	4	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	34	35	24	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	2	3	1	0	0
Retail	2	4	6	3	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	2	96	98	69	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				15	2	13
Retail				40	19	21
Restaurant				0		
Cinema/Entertainment				0		
Residential				117	71	46
Hotel				0		
All Other Land Uses[2]				0		
Total				172	92	80

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	0	0
Retail	1		0	0	8	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	3	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	240	129	111
Internal Capture Percentage	13%	12%	14%
External Vehicle-Trips[3]	150	82	68
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	67%	11%
Retail	19%	31%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	8%	6%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	2	3	1.40	13	18
Retail	1.40	19	27	1.40	21	29
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	71	99	1.40	46	64
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		4	1	0	0	0
Retail	1		8	1	8	1
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	3	27	13	0		2
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		2	0	0	4	0
Retail	1		0	0	46	0
Restaurant	1	14		0	16	0
Cinema/Entertainment	0	1	0		4	0
Residential	2	3	0	0		0
Hotel	0	1	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	1	3	1	0	0
Retail	5	22	27	16	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	8	91	99	65	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	16	18	11	0	0
Retail	9	20	29	14	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	4	60	64	43	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station TOD)	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				0		
Retail				5	3	2
Restaurant				0		
Cinema/Entertainment				0		
Residential				0		
Hotel				0		
All Other Land Uses[2]				53	47	6
Total				58	50	8

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	0		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	60	51	9
Internal Capture Percentage	0%	0%	0%
External Vehicle-Trips[3]	58	50	8
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	N/A	N/A
Retail	0%	0%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	N/A	N/A
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station TOD)
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	0	0	1.40	0	0
Retail	1.40	3	4	1.40	2	3
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	0	0	1.40	0	0
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	1		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	0		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	1	0	0		0
Hotel	0	0	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	0	4	4	3	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	47	47	47	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	0	3	3	2	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	6	6	6	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	Compton Hub (Artesia Station) TOD	**Organization:**	
Project Location:	Compton, CA	**Performed By:**	
Scenario Description:	Secondary Alternative Build-out	**Date:**	
Analysis Year:	2019	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				0		
Retail				19	9	10
Restaurant				0		
Cinema/Entertainment				0		
Residential				0		
Hotel				0		
All Other Land Uses[2]				47	6	41
Total				66	15	51

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office	1.40	0%		1.40	0%	
Retail	1.40	0%		1.40	0%	
Restaurant						
Cinema/Entertainment	1.40	0%		1.40	0%	
Residential	1.40	0%		1.40	0%	
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	0		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	74	19	55
Internal Capture Percentage	0%	0%	0%
External Vehicle-Trips[3]	66	15	51
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	N/A	N/A
Retail	0%	0%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	N/A	N/A
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report* , published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	Compton Hub (Artesia Station) TOD
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.40	0	0	1.40	0	0
Retail	1.40	9	13	1.40	10	14
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.40	0	0	1.40	0	0
Residential	1.40	0	0	1.40	0	0
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		0	0	0	0	0
Retail	0		4	1	4	1
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	0		0	0	0	0
Restaurant	0	7		0	0	0
Cinema/Entertainment	0	1	0		0	0
Residential	0	1	0	0		0
Hotel	0	0	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	0	13	13	9	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	6	6	6	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	0	0	0	0	0	0
Retail	0	14	14	10	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	0	0	0	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	41	41	41	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

APPENDIX E1
Existing with-Project LOS Worksheets – Proposed Project

Intersection Level Of Service Report
Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.561

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	153	25	51	26	65	64	22	225	205	37	328	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	24	0	87	0	0	0	0	7	8	18	19	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	177	25	138	26	65	64	22	232	213	55	347	19
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	44	6	35	7	16	16	6	58	53	14	87	5
Total Analysis Volume [veh/h]	177	25	138	26	65	64	22	232	213	55	347	19
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.13	0.09	0.02	0.10	0.10	0.01	0.15	0.13	0.03	0.23	0.23
Intersection LOS	A											
Intersection V/C	0.561											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.612

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	52	320	102	50	578	43	22	181	62	244	310	37
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	31	52	93	0	7	4	26	42	25	3	3	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	83	372	195	50	585	47	48	223	87	247	313	37
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	21	93	49	13	146	12	12	56	22	62	78	9
Total Analysis Volume [veh/h]	83	372	195	50	585	47	48	223	87	247	313	37
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.18	0.18	0.03	0.20	0.20	0.03	0.10	0.10	0.15	0.10	0.02
Intersection LOS	B											
Intersection V/C	0.612											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.551

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	100.00	137.00	100.00	100.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	4	0	0	0	8	0	0	35	5
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	58	515	26	39	1087	89	21	46	49	21	127	36
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	129	7	10	272	22	5	12	12	5	32	9
Total Analysis Volume [veh/h]	58	515	26	39	1087	89	21	46	49	21	127	36
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.16	0.02	0.02	0.34	0.06	0.01	0.03	0.03	0.01	0.05	0.05
Intersection LOS	A											
Intersection V/C	0.551											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	19.4
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.282

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	3	42	0	0	0	0	12	0	82	40	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	161	77	83	1	36	5	2	22	38	117	52	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	40	19	21	0	9	1	1	6	10	29	13	0
Total Analysis Volume [veh/h]	161	77	83	1	36	5	2	22	38	117	52	0
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.04	0.28	0.12	0.00
d_M, Delay for Movement [s/veh]	7.56	0.00	0.00	7.54	0.00	0.00	14.57	14.29	8.55	19.41	19.05	8.86
Movement LOS	A	A	A	A	A	A	B	B	A	C	C	A
95th-Percentile Queue Length [veh/ln]	0.34	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.06	1.99	1.99	0.00
95th-Percentile Queue Length [ft/ln]	8.58	0.00	0.00	0.05	0.05	0.05	4.65	4.65	1.40	49.67	49.67	0.00
d_A, Approach Delay [s/veh]	3.79			0.18			10.78			19.30		
Approach LOS	A			A			B			C		
d_I, Intersection Delay [s/veh]	8.68											
Intersection LOS	C											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.540

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	49	430	859	47	42	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	37	46	41	6	81	36
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	86	476	900	53	123	123
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	22	119	225	13	31	31
Total Analysis Volume [veh/h]	86	476	900	53	123	123
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.15	0.30	0.30	0.08	0.08
Intersection LOS	A					
Intersection V/C	0.540					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.736

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	163	441	875	63	35	189
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	68	72	75	3	11	105
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	231	513	950	66	46	294
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	58	128	238	17	12	74
Total Analysis Volume [veh/h]	231	513	950	66	46	294
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.14	0.16	0.30	0.04	0.03	0.18
Intersection LOS	C					
Intersection V/C	0.736					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.706

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	45	334	829	0	266	374
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	2	45	114	66	95	60
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	47	379	943	66	361	434
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	95	236	17	90	109
Total Analysis Volume [veh/h]	47	379	943	66	361	434
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.12	0.29	0.04	0.11	0.27
Intersection LOS	C					
Intersection V/C	0.706					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.664

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	45	21	107	101	0	25	0	0	0	0	1050	277
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	19	41	46	0	36	0	0	0	0	100	26
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	40	148	147	0	61	0	0	0	0	1150	303
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	10	37	37	0	15	0	0	0	0	288	76
Total Analysis Volume [veh/h]	45	40	148	147	0	61	0	0	0	0	1150	303
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.05	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.45	0.45
Intersection LOS	B											
Intersection V/C	0.664											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.640

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	1	35	16	195	1308	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	89	59	33	112	50	26
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	90	94	49	307	1358	49
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	24	12	77	340	12
Total Analysis Volume [veh/h]	90	94	49	307	1358	49
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.06	0.03	0.10	0.44	0.44
Intersection LOS	B					
Intersection V/C	0.640					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.625

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	71	0	20	173	1123	652
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	55	14	83	118	62	72
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	126	14	103	291	1185	724
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	32	4	26	73	296	181
Total Analysis Volume [veh/h]	126	14	103	291	1185	724
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.08	0.01	0.06	0.09	0.37	0.00
Intersection LOS	B					
Intersection V/C	0.625					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.587

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	99	270	945	0	110	159
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	18	63	111	29	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	99	288	1008	111	139	159
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	72	252	28	35	40
Total Analysis Volume [veh/h]	99	288	1008	111	139	159
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.09	0.32	0.07	0.09	0.10
Intersection LOS	A					
Intersection V/C	0.587					

Intersection Level Of Service Report

Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.832

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	380	140	98	11	108	24	88	534	441	33	209	29
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	7	0	23	0	0	0	0	12	12	28	6	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	3	0	9	0	0	0	0	0	2	5	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	390	140	130	11	108	24	88	546	455	66	215	29
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	98	35	33	3	27	6	22	137	114	17	54	7
Total Analysis Volume [veh/h]	390	140	130	11	108	24	88	546	455	66	215	29
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.24	0.33	0.08	0.01	0.09	0.09	0.06	0.34	0.28	0.04	0.15	0.15
Intersection LOS	D											
Intersection V/C	0.832											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.762

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	58	529	240	112	544	25	49	495	55	219	165	52
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	24	25	25	0	10	6	7	11	17	4	4	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	5	0	9	0	0	1	0	0	4	1	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	87	554	274	112	554	32	56	506	76	224	169	52
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	22	139	69	28	139	8	14	127	19	56	42	13
Total Analysis Volume [veh/h]	87	554	274	112	554	32	56	506	76	224	169	52
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.26	0.26	0.07	0.18	0.18	0.04	0.18	0.18	0.14	0.05	0.03
Intersection LOS	C											
Intersection V/C	0.762											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.902

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	100.00	137.00	100.00	100.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	28	1248	62	46	586	23	126	520	172	41	38	60
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	11	0	0	0	23	0	0	27	4
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	28	1248	62	57	586	23	126	543	172	41	65	64
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	312	16	14	147	6	32	136	43	10	16	16
Total Analysis Volume [veh/h]	28	1248	62	57	586	23	126	543	172	41	65	64
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.39	0.04	0.04	0.18	0.01	0.08	0.34	0.11	0.03	0.04	0.04
Intersection LOS	E											
Intersection V/C	0.902											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	54.0
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.593

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	81	64	34	4	82	6	11	21	554	51	13	4
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	126	0	0	0	0	34	0	63	31	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	6	0	0	0	0	2	0	4	2	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	81	66	166	4	82	6	11	57	554	118	46	4
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	17	42	1	21	2	3	14	139	30	12	1
Total Analysis Volume [veh/h]	81	66	166	4	82	6	11	57	554	118	46	4
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.13	0.57	0.59	0.09	0.00
d_M, Delay for Movement [s/veh]	7.52	0.00	0.00	7.70	0.00	0.00	13.95	14.31	10.16	53.97	43.03	9.03
Movement LOS	A	A	A	A	A	A	B	B	B	F	E	A
95th-Percentile Queue Length [veh/ln]	0.17	0.00	0.00	0.01	0.01	0.01	0.52	0.52	1.19	5.66	5.66	0.01
95th-Percentile Queue Length [ft/ln]	4.26	0.00	0.00	0.23	0.23	0.23	13.08	13.08	29.71	141.41	141.41	0.34
d_A, Approach Delay [s/veh]	1.95			0.33			10.61			49.90		
Approach LOS	A			A			B			E		
d_I, Intersection Delay [s/veh]	13.07											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.550

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	105	732	633	62	129	153
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	58	39	16	10	22	10
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	11	0	0	2	8	4
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	174	771	649	74	159	167
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	44	193	162	19	40	42
Total Analysis Volume [veh/h]	174	771	649	74	159	167
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.24	0.23	0.23	0.10	0.10
Intersection LOS	A					
Intersection V/C	0.550					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.793

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	285	754	719	71	93	269
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	106	94	21	5	3	29
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	21	0	0	1	1	11
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	412	848	740	77	97	309
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	103	212	185	19	24	77
Total Analysis Volume [veh/h]	412	848	740	77	97	309
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.26	0.27	0.23	0.05	0.06	0.19
Intersection LOS	C					
Intersection V/C	0.793					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.610

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	198	629	657	0	368	112
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	7	71	31	19	130	32
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	205	700	688	19	498	144
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	51	175	172	5	125	36
Total Analysis Volume [veh/h]	205	700	688	19	498	144
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.13	0.22	0.22	0.01	0.16	0.09
Intersection LOS	B					
Intersection V/C	0.610					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	1 hour	Volume to Capacity (v/c):	1.013

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	99	47	1073	713	0	38	0	0	0	0	754	123
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	57	75	35	0	28	0	0	0	0	42	72
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	99	104	1148	748	0	66	0	0	0	0	796	195
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	26	287	187	0	17	0	0	0	0	199	49
Total Analysis Volume [veh/h]	99	104	1148	748	0	66	0	0	0	0	796	195
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.13	0.36	0.23	0.00	0.04	0.00	0.00	0.00	0.00	0.31	0.31
Intersection LOS	F											
Intersection V/C	1.013											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.729

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	14	35	49	1776	870	51
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	24	16	51	86	120	40
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	10	6	10	0	0	8
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	48	57	110	1862	990	99
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	14	28	466	248	25
Total Analysis Volume [veh/h]	48	57	110	1862	990	99
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.04	0.07	0.58	0.34	0.34
Intersection LOS	C					
Intersection V/C	0.729					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.792

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	204	0	96	1680	607	408
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	15	11	50	60	149	112
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	219	11	146	1740	756	520
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	55	3	37	435	189	130
Total Analysis Volume [veh/h]	219	11	146	1740	756	520
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.14	0.01	0.09	0.54	0.24	0.00
Intersection LOS	C					
Intersection V/C	0.792					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.596

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	460	795	420	0	51	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	33	20	43	45	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	460	828	440	43	96	35
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	115	207	110	11	24	9
Total Analysis Volume [veh/h]	460	828	440	43	96	35
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.29	0.26	0.14	0.03	0.06	0.02
Intersection LOS	A					
Intersection V/C	0.596					

APPENDIX E2
Existing with-Project LOS Worksheets – Alternate Scenario

Intersection Level Of Service Report
Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.544

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	153	25	51	26	65	64	22	225	205	37	328	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	9	0	30	0	0	0	0	0	0	1	7	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	162	25	81	26	65	64	22	225	205	38	335	19
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	41	6	20	7	16	16	6	56	51	10	84	5
Total Analysis Volume [veh/h]	162	25	81	26	65	64	22	225	205	38	335	19
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.12	0.05	0.02	0.10	0.10	0.01	0.14	0.13	0.02	0.22	0.22
Intersection LOS	A											
Intersection V/C	0.544											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.577

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	52	320	102	50	578	43	22	181	62	244	310	37
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	7	10	32	0	0	0	9	15	6	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	59	330	134	50	578	43	31	196	68	244	310	37
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	83	34	13	145	11	8	49	17	61	78	9
Total Analysis Volume [veh/h]	59	330	134	50	578	43	31	196	68	244	310	37
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.15	0.15	0.03	0.19	0.19	0.02	0.08	0.08	0.15	0.10	0.02
Intersection LOS	A											
Intersection V/C	0.577											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.539

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	158.00	137.00	100.00	116.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	129	7	9	272	22	5	10	12	5	23	8
Total Analysis Volume [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.16	0.02	0.02	0.34	0.06	0.01	0.02	0.03	0.01	0.04	0.04
Intersection LOS	A											
Intersection V/C	0.539											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	14.1
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.079

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	40	19	10	0	9	1	1	3	10	9	3	0
Total Analysis Volume [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.03	0.00
d_M, Delay for Movement [s/veh]	7.56	0.00	0.00	7.44	0.00	0.00	13.06	13.48	8.55	14.05	14.01	8.74
Movement LOS	A	A	A	A	A	A	B	B	A	B	B	A
95th-Percentile Queue Length [veh/ln]	0.34	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.06	0.35	0.35	0.00
95th-Percentile Queue Length [ft/ln]	8.58	0.00	0.00	0.05	0.05	0.05	2.10	2.10	1.40	8.84	8.84	0.00
d_A, Approach Delay [s/veh]	4.41			0.18			9.72			14.04		
Approach LOS	A			A			A			B		
d_I, Intersection Delay [s/veh]	5.71											
Intersection LOS	B											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.492

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	49	430	859	47	42	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	2	4	13	0	28	12
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	51	434	872	47	70	99
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	109	218	12	18	25
Total Analysis Volume [veh/h]	51	434	872	47	70	99
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.14	0.29	0.29	0.04	0.06
Intersection LOS	A					
Intersection V/C	0.492					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.637

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	163	441	875	63	35	189
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	3	3	25	0	4	36
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	166	444	900	63	39	225
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	42	111	225	16	10	56
Total Analysis Volume [veh/h]	166	444	900	63	39	225
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.14	0.28	0.04	0.02	0.14
Intersection LOS	B					
Intersection V/C	0.637					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.650

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	45	334	829	0	266	374
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	3	39	23	3	9
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	337	868	23	269	383
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	84	217	6	67	96
Total Analysis Volume [veh/h]	45	337	868	23	269	383
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.11	0.27	0.01	0.08	0.24
Intersection LOS	B					
Intersection V/C	0.650					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.606

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	45	21	107	101	0	25	0	0	0	0	1050	277
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	2	0	0	0	0	0	0	0	24	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	21	109	101	0	25	0	0	0	0	1074	277
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	5	27	25	0	6	0	0	0	0	269	69
Total Analysis Volume [veh/h]	45	21	109	101	0	25	0	0	0	0	1074	277
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.04	0.03	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.42	0.42
Intersection LOS	B											
Intersection V/C	0.606											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.574

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	1	35	16	195	1308	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	31	20	2	0	4	1
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	32	55	18	195	1312	24
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	14	5	49	328	6
Total Analysis Volume [veh/h]	32	55	18	195	1312	24
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.03	0.01	0.06	0.42	0.42
Intersection LOS	A					
Intersection V/C	0.574					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.537

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	71	0	20	173	1123	652
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	19	4	9	22	1	3
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	90	4	29	195	1124	655
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	1	7	49	281	164
Total Analysis Volume [veh/h]	90	4	29	195	1124	655
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.00	0.02	0.06	0.35	0.00
Intersection LOS	A					
Intersection V/C	0.537					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.574

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	99	270	945	0	110	159
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	1	19	29	2	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	99	271	964	29	112	159
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	68	241	7	28	40
Total Analysis Volume [veh/h]	99	271	964	29	112	159
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.08	0.30	0.02	0.07	0.10
Intersection LOS	A					
Intersection V/C	0.574					

Intersection Level Of Service Report

Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.799

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	380	140	98	11	108	24	88	534	441	33	209	29
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	1	0	3	0	0	0	0	0	1	2	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	381	140	101	11	108	24	88	534	442	35	209	29
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	95	35	25	3	27	6	22	134	111	9	52	7
Total Analysis Volume [veh/h]	381	140	101	11	108	24	88	534	442	35	209	29
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.24	0.33	0.06	0.01	0.09	0.09	0.06	0.33	0.28	0.02	0.15	0.15
Intersection LOS	C											
Intersection V/C	0.799											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.732

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	58	529	240	112	544	25	49	495	55	219	165	52
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	2	0	3	0	0	0	1	0	1	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	60	531	243	112	544	25	50	495	56	219	165	52
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	15	133	61	28	136	6	13	124	14	55	41	13
Total Analysis Volume [veh/h]	60	531	243	112	544	25	50	495	56	219	165	52
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.24	0.24	0.07	0.18	0.18	0.03	0.17	0.17	0.14	0.05	0.03
Intersection LOS	C											
Intersection V/C	0.732											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.881

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	158.00	137.00	100.00	116.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	28	1248	62	46	586	23	126	520	172	41	38	60
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	1	0	0	3	1
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	28	1248	62	46	586	23	126	521	172	41	41	61
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	312	16	12	147	6	32	130	43	10	10	15
Total Analysis Volume [veh/h]	28	1248	62	46	586	23	126	521	172	41	41	61
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.39	0.04	0.03	0.18	0.01	0.08	0.33	0.11	0.03	0.03	0.03
Intersection LOS	D											
Intersection V/C	0.881											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	24.8
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.244

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	81	64	34	4	82	6	11	21	554	51	13	4
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	4	0	0	0	0	1	0	6	4	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	1	0	0	0	0	0	0	2	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	81	64	39	4	82	6	11	22	554	59	17	4
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	16	10	1	21	2	3	6	139	15	4	1
Total Analysis Volume [veh/h]	81	64	39	4	82	6	11	22	554	59	17	4
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.57	0.24	0.03	0.00
d_M, Delay for Movement [s/veh]	7.52	0.00	0.00	7.42	0.00	0.00	11.81	12.14	10.16	24.80	16.49	8.70
Movement LOS	A	A	A	A	A	A	B	B	B	C	C	A
95th-Percentile Queue Length [veh/ln]	0.17	0.00	0.00	0.01	0.01	0.01	0.19	0.19	1.19	1.12	1.12	0.01
95th-Percentile Queue Length [ft/ln]	4.26	0.00	0.00	0.20	0.20	0.20	4.83	4.83	29.71	28.12	28.12	0.31
d_A, Approach Delay [s/veh]	3.31			0.32			10.27			22.23		
Approach LOS	A			A			B			C		
d_I, Intersection Delay [s/veh]	8.96											
Intersection LOS	C											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.493

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	105	732	633	62	129	153
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	4	0	0	1	3	1
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	109	734	633	63	132	154
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	27	184	158	16	33	39
Total Analysis Volume [veh/h]	109	734	633	63	132	154
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.23	0.22	0.22	0.08	0.10
Intersection LOS	A					
Intersection V/C	0.493					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.689

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	285	754	719	71	93	269
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	7	0	0	0	0	4
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	292	756	719	71	93	273
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	73	189	180	18	23	68
Total Analysis Volume [veh/h]	292	756	719	71	93	273
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.18	0.24	0.22	0.04	0.06	0.17
Intersection LOS	B					
Intersection V/C	0.689					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.556

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	198	629	657	0	368	112
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	2	3
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	198	629	657	0	370	115
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	50	157	164	0	93	29
Total Analysis Volume [veh/h]	198	629	657	0	370	115
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.12	0.20	0.21	0.00	0.12	0.07
Intersection LOS	A					
Intersection V/C	0.556					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.946

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	99	47	1073	713	0	38	0	0	0	0	754	123
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	1	4	0	2	0	0	0	0	2	2
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	99	49	1074	717	0	40	0	0	0	0	756	125
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	25	12	269	179	0	10	0	0	0	0	189	31
Total Analysis Volume [veh/h]	99	49	1074	717	0	40	0	0	0	0	756	125
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.09	0.34	0.22	0.00	0.03	0.00	0.00	0.00	0.00	0.28	0.28
Intersection LOS	E											
Intersection V/C	0.946											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.692

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	14	35	49	1776	870	51
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	9	3	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	3	2	4	0	0	3
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	17	37	53	1785	873	54
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	4	9	13	446	218	14
Total Analysis Volume [veh/h]	17	37	53	1785	873	54
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.02	0.03	0.56	0.29	0.29
Intersection LOS	B					
Intersection V/C	0.692					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.765

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	204	0	96	1680	607	408
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	5	4	3	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	204	0	101	1684	610	408
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	51	0	25	421	153	102
Total Analysis Volume [veh/h]	204	0	101	1684	610	408
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.13	0.00	0.06	0.53	0.19	0.00
Intersection LOS	C					
Intersection V/C	0.765					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.562

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	460	795	420	0	51	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	1	2	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	460	795	421	2	51	35
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	115	199	105	1	13	9
Total Analysis Volume [veh/h]	460	795	421	2	51	35
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.29	0.25	0.13	0.00	0.03	0.02
Intersection LOS	A					
Intersection V/C	0.562					

APPENDIX F1
Future with-Project LOS Worksheets – Proposed Project

Intersection Level Of Service Report
Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.596

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	153	25	51	26	65	64	22	225	205	37	328	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	24	0	87	0	0	0	0	7	8	18	19	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	190	27	142	28	70	69	24	250	230	58	374	21
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	48	7	36	7	18	17	6	63	58	15	94	5
Total Analysis Volume [veh/h]	190	27	142	28	70	69	24	250	230	58	374	21
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.12	0.14	0.09	0.02	0.10	0.10	0.02	0.16	0.14	0.04	0.25	0.25
Intersection LOS	A											
Intersection V/C	0.596											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.649

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	52	320	102	50	578	43	22	181	62	244	310	37
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	31	52	93	0	7	4	26	42	25	3	3	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	87	398	203	54	632	51	50	238	92	267	338	40
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	22	100	51	14	158	13	13	60	23	67	85	10
Total Analysis Volume [veh/h]	87	398	203	54	632	51	50	238	92	267	338	40
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.19	0.19	0.03	0.21	0.21	0.03	0.10	0.10	0.17	0.11	0.03
Intersection LOS	B											
Intersection V/C	0.649											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.587

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	100.00	137.00	100.00	100.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	4	0	0	0	8	0	0	35	5
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	63	557	28	42	1176	96	23	49	53	23	135	39
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	139	7	11	294	24	6	12	13	6	34	10
Total Analysis Volume [veh/h]	63	557	28	42	1176	96	23	49	53	23	135	39
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.17	0.02	0.03	0.37	0.06	0.01	0.03	0.03	0.01	0.05	0.05
Intersection LOS	A											
Intersection V/C	0.587											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	21.5
Analysis Method:	HCM 6th Edition	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.311

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	3	42	0	0	0	0	12	0	82	40	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	174	83	86	1	39	5	2	23	41	120	53	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	44	21	22	0	10	1	1	6	10	30	13	0
Total Analysis Volume [veh/h]	174	83	86	1	39	5	2	23	41	120	53	0
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.04	0.31	0.13	0.00
d_M, Delay for Movement [s/veh]	7.59	0.00	0.00	7.56	0.00	0.00	15.34	14.93	8.57	21.48	20.96	8.89
Movement LOS	A	A	A	A	A	A	C	B	A	C	C	A
95th-Percentile Queue Length [veh/ln]	0.38	0.00	0.00	0.00	0.00	0.00	0.21	0.21	0.06	2.31	2.31	0.00
95th-Percentile Queue Length [ft/ln]	9.38	0.00	0.00	0.05	0.05	0.05	5.18	5.18	1.52	57.80	57.80	0.00
d_A, Approach Delay [s/veh]	3.85			0.17			10.99			21.32		
Approach LOS	A			A			B			C		
d_I, Intersection Delay [s/veh]	9.16											
Intersection LOS	C											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.570

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	49	430	859	47	42	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	37	46	41	6	81	36
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	90	511	970	57	126	130
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	128	243	14	32	33
Total Analysis Volume [veh/h]	90	511	970	57	126	130
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.16	0.32	0.32	0.08	0.08
Intersection LOS	A					
Intersection V/C	0.570					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.776

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	163	441	875	63	35	189
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	68	72	75	3	11	105
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	244	549	1022	71	49	309
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	61	137	256	18	12	77
Total Analysis Volume [veh/h]	244	549	1022	71	49	309
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.15	0.17	0.32	0.04	0.03	0.19
Intersection LOS	C					
Intersection V/C	0.776					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.750

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	45	334	829	0	266	374
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	2	45	114	66	95	60
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	51	406	1011	66	383	465
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	102	253	17	96	116
Total Analysis Volume [veh/h]	51	406	1011	66	383	465
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.13	0.32	0.04	0.12	0.29
Intersection LOS	C					
Intersection V/C	0.750					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.705

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	45	21	107	101	0	25	0	0	0	0	1050	277
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	19	41	46	0	36	0	0	0	0	100	26
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	49	42	157	155	0	63	0	0	0	0	1236	326
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	11	39	39	0	16	0	0	0	0	309	82
Total Analysis Volume [veh/h]	49	42	157	155	0	63	0	0	0	0	1236	326
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.06	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.49	0.49
Intersection LOS	C											
Intersection V/C	0.705											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.677

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	1	35	16	195	1308	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	89	59	33	112	50	26
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	90	97	50	323	1465	51
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	24	13	81	366	13
Total Analysis Volume [veh/h]	90	97	50	323	1465	51
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.06	0.03	0.10	0.47	0.47
Intersection LOS	B					
Intersection V/C	0.677					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.658

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	71	0	20	173	1123	652
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	55	14	83	118	62	72
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	132	14	105	305	1277	777
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	33	4	26	76	319	194
Total Analysis Volume [veh/h]	132	14	105	305	1277	777
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.08	0.01	0.07	0.10	0.40	0.00
Intersection LOS	B					
Intersection V/C	0.658					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.625

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	99	270	945	0	110	159
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	18	63	111	29	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	107	310	1085	111	148	172
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	27	78	271	28	37	43
Total Analysis Volume [veh/h]	107	310	1085	111	148	172
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.10	0.34	0.07	0.09	0.11
Intersection LOS	B					
Intersection V/C	0.625					

Intersection Level Of Service Report
Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.888

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	380	140	98	11	108	24	88	534	441	33	209	29
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	7	0	23	0	0	0	0	12	12	28	6	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	3	0	9	0	0	0	0	0	2	5	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	421	151	138	12	117	26	95	590	491	69	232	31
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	105	38	35	3	29	7	24	148	123	17	58	8
Total Analysis Volume [veh/h]	421	151	138	12	117	26	95	590	491	69	232	31
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.26	0.36	0.09	0.01	0.10	0.10	0.06	0.37	0.31	0.04	0.16	0.16
Intersection LOS	D											
Intersection V/C	0.888											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.813

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	58	529	240	112	544	25	49	495	55	219	165	52
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	24	25	25	0	10	6	7	11	17	4	4	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	5	0	9	0	0	1	0	0	4	1	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	92	597	294	121	599	34	60	547	81	242	183	56
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	149	74	30	150	9	15	137	20	61	46	14
Total Analysis Volume [veh/h]	92	597	294	121	599	34	60	547	81	242	183	56
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.28	0.28	0.08	0.20	0.20	0.04	0.20	0.20	0.15	0.06	0.04
Intersection LOS	D											
Intersection V/C	0.813											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.965

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	100.00	137.00	100.00	100.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	28	1248	62	46	586	23	126	520	172	41	38	60
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	11	0	0	0	23	0	0	27	4
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	30	1350	67	61	634	25	136	586	186	44	68	69
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	338	17	15	159	6	34	147	47	11	17	17
Total Analysis Volume [veh/h]	30	1350	67	61	634	25	136	586	186	44	68	69
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.42	0.04	0.04	0.20	0.02	0.09	0.37	0.12	0.03	0.04	0.04
Intersection LOS	E											
Intersection V/C	0.965											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	98.6
Analysis Method:	HCM 6th Edition	Level Of Service:	F
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.737

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	81	64	34	4	82	6	11	21	554	51	13	4
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	126	0	0	0	0	34	0	63	31	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	6	0	0	0	0	2	0	4	2	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	88	71	169	4	89	6	12	59	599	122	47	4
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	22	18	42	1	22	2	3	15	150	31	12	1
Total Analysis Volume [veh/h]	88	71	169	4	89	6	12	59	599	122	47	4
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.00	0.00	0.00	0.00	0.00	0.03	0.14	0.62	0.74	0.10	0.00
d_M, Delay for Movement [s/veh]	7.55	0.00	0.00	7.72	0.00	0.00	14.57	14.88	10.40	98.63	84.35	9.06
Movement LOS	A	A	A	A	A	A	B	B	B	F	F	A
95th-Percentile Queue Length [veh/ln]	0.19	0.00	0.00	0.01	0.01	0.01	0.58	0.58	1.34	9.59	9.59	0.01
95th-Percentile Queue Length [ft/ln]	4.68	0.00	0.00	0.23	0.23	0.23	14.50	14.50	33.60	239.84	239.84	0.34
d_A, Approach Delay [s/veh]	2.03			0.31			10.87			92.68		
Approach LOS	A			A			B			F		
d_I, Intersection Delay [s/veh]	18.91											
Intersection LOS	F											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.582

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	105	732	633	62	129	153
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	58	39	16	10	22	10
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	11	0	0	2	8	4
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	183	831	701	79	170	180
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	46	208	175	20	43	45
Total Analysis Volume [veh/h]	183	831	701	79	170	180
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.26	0.24	0.24	0.11	0.11
Intersection LOS	A					
Intersection V/C	0.582					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.840

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	285	754	719	71	93	269
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	106	94	21	5	3	29
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	21	0	0	1	1	11
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	435	910	799	83	105	331
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	109	228	200	21	26	83
Total Analysis Volume [veh/h]	435	910	799	83	105	331
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.27	0.28	0.25	0.05	0.07	0.21
Intersection LOS	D					
Intersection V/C	0.840					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.646

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	198	629	657	0	368	112
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	7	71	31	19	130	32
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	221	752	742	19	528	153
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	55	188	186	5	132	38
Total Analysis Volume [veh/h]	221	752	742	19	528	153
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.14	0.24	0.23	0.01	0.17	0.10
Intersection LOS	B					
Intersection V/C	0.646					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	1 hour	Volume to Capacity (v/c):	1.081

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	99	47	1073	713	0	38	0	0	0	0	754	123
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	57	75	35	0	28	0	0	0	0	42	72
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	107	108	1236	806	0	69	0	0	0	0	858	205
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	27	27	309	202	0	17	0	0	0	0	215	51
Total Analysis Volume [veh/h]	107	108	1236	806	0	69	0	0	0	0	858	205
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.13	0.39	0.25	0.00	0.04	0.00	0.00	0.00	0.00	0.33	0.33
Intersection LOS	F											
Intersection V/C	1.081											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.776

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	14	35	49	1776	870	51
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	24	16	51	86	120	40
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	10	6	10	0	0	8
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	49	60	114	2008	1061	103
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	15	29	502	265	26
Total Analysis Volume [veh/h]	49	60	114	2008	1061	103
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.04	0.07	0.63	0.36	0.36
Intersection LOS	C					
Intersection V/C	0.776					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.845

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	204	0	96	1680	607	408
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	15	11	50	60	149	112
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	236	11	154	1878	806	553
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	59	3	39	470	202	138
Total Analysis Volume [veh/h]	236	11	154	1878	806	553
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.15	0.01	0.10	0.59	0.25	0.00
Intersection LOS	D					
Intersection V/C	0.845					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.633

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	460	795	420	0	51	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	33	20	43	45	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	498	893	474	43	100	38
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	125	223	119	11	25	10
Total Analysis Volume [veh/h]	498	893	474	43	100	38
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.31	0.28	0.15	0.03	0.06	0.02
Intersection LOS	B					
Intersection V/C	0.633					

APPENDIX F2
Future with-Project LOS Worksheets – Alternate Scenario

Intersection Level Of Service Report
Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.579

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	153	25	51	26	65	64	22	225	205	37	328	19
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	9	0	30	0	0	0	0	0	0	1	7	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	175	27	85	28	70	69	24	243	222	41	362	21
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	44	7	21	7	18	17	6	61	56	10	91	5
Total Analysis Volume [veh/h]	175	27	85	28	70	69	24	243	222	41	362	21
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.13	0.05	0.02	0.10	0.10	0.02	0.15	0.14	0.03	0.24	0.24
Intersection LOS	A											
Intersection V/C	0.579											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.614

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	52	320	102	50	578	43	22	181	62	244	310	37
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	7	10	32	0	0	0	9	15	6	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	63	356	142	54	625	47	33	211	73	264	335	40
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	89	36	14	156	12	8	53	18	66	84	10
Total Analysis Volume [veh/h]	63	356	142	54	625	47	33	211	73	264	335	40
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.16	0.16	0.03	0.21	0.21	0.02	0.09	0.09	0.17	0.10	0.03
Intersection LOS	B											
Intersection V/C	0.614											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.574

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	158.00	137.00	100.00	116.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	58	515	26	35	1087	89	21	38	49	21	92	31
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	63	557	28	38	1176	96	23	41	53	23	100	34
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	139	7	10	294	24	6	10	13	6	25	9
Total Analysis Volume [veh/h]	63	557	28	38	1176	96	23	41	53	23	100	34
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.17	0.02	0.02	0.37	0.06	0.01	0.03	0.03	0.01	0.04	0.04
Intersection LOS	A											
Intersection V/C	0.574											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	14.9
Analysis Method:	HCM 6th Edition	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.092

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	161	74	41	1	36	5	2	10	38	35	12	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	174	80	44	1	39	5	2	11	41	38	13	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	44	20	11	0	10	1	1	3	10	10	3	0
Total Analysis Volume [veh/h]	174	80	44	1	39	5	2	11	41	38	13	0
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.09	0.03	0.00
d_M, Delay for Movement [s/veh]	7.59	0.00	0.00	7.46	0.00	0.00	13.66	14.03	8.57	14.89	14.74	8.78
Movement LOS	A	A	A	A	A	A	B	B	A	B	B	A
95th-Percentile Queue Length [veh/ln]	0.38	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.06	0.42	0.42	0.00
95th-Percentile Queue Length [ft/ln]	9.38	0.00	0.00	0.05	0.05	0.05	2.43	2.43	1.52	10.44	10.44	0.00
d_A, Approach Delay [s/veh]	4.43			0.17			9.87			14.85		
Approach LOS	A			A			A			B		
d_I, Intersection Delay [s/veh]	5.84											
Intersection LOS	B											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.522

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	49	430	859	47	42	87
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	2	4	13	0	28	12
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	55	469	942	51	73	106
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	14	117	236	13	18	27
Total Analysis Volume [veh/h]	55	469	942	51	73	106
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.15	0.31	0.31	0.05	0.07
Intersection LOS	A					
Intersection V/C	0.522					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.677

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	163	441	875	63	35	189
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	3	3	25	0	4	36
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	179	480	972	68	42	240
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	45	120	243	17	11	60
Total Analysis Volume [veh/h]	179	480	972	68	42	240
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.15	0.30	0.04	0.03	0.15
Intersection LOS	B					
Intersection V/C	0.677					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.693

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	45	334	829	0	266	374
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	3	39	23	3	9
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	49	364	936	23	291	414
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	91	234	6	73	104
Total Analysis Volume [veh/h]	49	364	936	23	291	414
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.11	0.29	0.01	0.09	0.26
Intersection LOS	B					
Intersection V/C	0.693					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.646

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	45	21	107	101	0	25	0	0	0	0	1050	277
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	2	0	0	0	0	0	0	0	24	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	49	23	118	109	0	27	0	0	0	0	1160	300
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	12	6	30	27	0	7	0	0	0	0	290	75
Total Analysis Volume [veh/h]	49	23	118	109	0	27	0	0	0	0	1160	300
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.05	0.04	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.46	0.46
Intersection LOS	B											
Intersection V/C	0.646											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.611

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	1	35	16	195	1308	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	31	20	2	0	4	1
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	32	58	19	211	1419	26
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	15	5	53	355	7
Total Analysis Volume [veh/h]	32	58	19	211	1419	26
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.04	0.01	0.07	0.45	0.45
Intersection LOS	B					
Intersection V/C	0.611					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.570

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	71	0	20	173	1123	652
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	19	4	9	22	1	3
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	96	4	31	209	1216	708
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	24	1	8	52	304	177
Total Analysis Volume [veh/h]	96	4	31	209	1216	708
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.00	0.02	0.07	0.38	0.00
Intersection LOS	A					
Intersection V/C	0.570					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.611

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	99	270	945	0	110	159
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	1	19	29	2	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	107	293	1041	29	121	172
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	27	73	260	7	30	43
Total Analysis Volume [veh/h]	107	293	1041	29	121	172
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.09	0.33	0.02	0.08	0.11
Intersection LOS	B					
Intersection V/C	0.611					

Intersection Level Of Service Report
Intersection 1: Gateway Drive/Tamarind Avenue & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.855

Intersection Setup

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	121.00	100.00	100.00	100.00	115.00	100.00	100.00	97.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Gateway Drive			Tamarind Avenue			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	380	140	98	11	108	24	88	534	441	33	209	29
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	1	0	3	0	0	0	0	0	1	2	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	412	151	109	12	117	26	95	578	478	38	226	31
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	103	38	27	3	29	7	24	145	120	10	57	8
Total Analysis Volume [veh/h]	412	151	109	12	117	26	95	578	478	38	226	31
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	0	8	0	0	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.26	0.35	0.07	0.01	0.10	0.10	0.06	0.36	0.30	0.02	0.16	0.16
Intersection LOS	D											
Intersection V/C	0.855											

Intersection Level Of Service Report
Intersection 2: Alameda Street West & Greenleaf Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.783

Intersection Setup

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	30.00	100.00	89.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Alameda Street			Alameda Street			Greenleaf Boulevard			Greenleaf Boulevard		
Base Volume Input [veh/h]	58	529	240	112	544	25	49	495	55	219	165	52
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	2	0	3	0	0	0	1	0	1	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	65	574	263	121	589	27	54	536	61	237	179	56
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	16	144	66	30	147	7	14	134	15	59	45	14
Total Analysis Volume [veh/h]	65	574	263	121	589	27	54	536	61	237	179	56
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPer	Permiss	Permiss	ProtPer	Permiss	Permiss	Split	Split	Split	Split	Split	Split
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.04	0.26	0.26	0.08	0.19	0.19	0.03	0.19	0.19	0.15	0.06	0.04
Intersection LOS	C											
Intersection V/C	0.783											

Intersection Level Of Service Report
Intersection 3: Wilmington Avenue & Walnut Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.944

Intersection Setup

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	0	1	0	0
Pocket Length [ft]	196.00	100.00	158.00	137.00	100.00	116.00	124.00	100.00	100.00	112.00	100.00	100.00
Speed [mph]	35.00			35.00			35.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Wilmington Avenue			Wilmington Avenue			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	28	1248	62	46	586	23	126	520	172	41	38	60
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	1	0	0	3	1
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	30	1350	67	50	634	25	136	564	186	44	44	66
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	8	338	17	13	159	6	34	141	47	11	11	17
Total Analysis Volume [veh/h]	30	1350	67	50	634	25	136	564	186	44	44	66
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protecte	Permiss	Permiss	Protecte	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	3	8	0	7	4	0	0	6	0	0	2	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.42	0.04	0.03	0.20	0.02	0.09	0.35	0.12	0.03	0.03	0.03
Intersection LOS	E											
Intersection V/C	0.944											

Intersection Level Of Service Report
Intersection 4: Acacia Court & Walnut Street

Control Type:	Two-way stop	Delay (sec / veh):	30.9
Analysis Method:	HCM 6th Edition	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.312

Intersection Setup

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	134.00	100.00	100.00	145.00	100.00	100.00
Speed [mph]	25.00			25.00			35.00			25.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			No			No			No		

Volumes

Name	Acacia Court			Acacia Court			Walnut Street			Walnut Street		
Base Volume Input [veh/h]	81	64	34	4	82	6	11	21	554	51	13	4
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	4	0	0	0	0	1	0	6	4	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	1	0	0	0	0	0	0	2	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	88	69	42	4	89	6	12	24	599	63	18	4
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	22	17	11	1	22	2	3	6	150	16	5	1
Total Analysis Volume [veh/h]	88	69	42	4	89	6	12	24	599	63	18	4
Pedestrian Volume [ped/h]	0			0			0			0		

Intersection Settings

Priority Scheme	Free	Free	Stop	Stop
Flared Lane				
Storage Area [veh]	0	0	0	0
Two-Stage Gap Acceptance			No	No
Number of Storage Spaces in Median	0	0	0	0

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.62	0.31	0.03	0.00
d_M, Delay for Movement [s/veh]	7.55	0.00	0.00	7.44	0.00	0.00	12.22	12.52	10.40	30.87	19.91	8.74
Movement LOS	A	A	A	A	A	A	B	B	B	D	C	A
95th-Percentile Queue Length [veh/ln]	0.19	0.00	0.00	0.01	0.01	0.01	0.22	0.22	1.34	1.55	1.55	0.01
95th-Percentile Queue Length [ft/ln]	4.68	0.00	0.00	0.20	0.20	0.20	5.56	5.56	33.60	38.86	38.86	0.31
d_A, Approach Delay [s/veh]	3.34			0.30			10.52			27.51		
Approach LOS	A			A			B			D		
d_I, Intersection Delay [s/veh]	9.54											
Intersection LOS	D											

Intersection Level Of Service Report
Intersection 5: Alameda Street & Town Center Drive

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.525

Intersection Setup

Name	Alameda Street		Alameda Street		Towne Center Drive	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	0	0
Pocket Length [ft]	92.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Towne Center Drive	
Base Volume Input [veh/h]	105	732	633	62	129	153
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	4	0	0	1	3	1
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	118	794	685	68	143	167
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	30	199	171	17	36	42
Total Analysis Volume [veh/h]	118	794	685	68	143	167
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	ProtPerm	Permissive	Permissive	Permissive	Split	Split
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.25	0.24	0.24	0.09	0.10
Intersection LOS	A					
Intersection V/C	0.525					

Intersection Level Of Service Report
Intersection 6: Alameda Street & Auto Drive South

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.735

Intersection Setup

Name	Alameda Street		Alameda Street		Auto Drive South	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	1	0
Pocket Length [ft]	96.00	100.00	100.00	140.00	110.00	100.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Auto Drive South	
Base Volume Input [veh/h]	285	754	719	71	93	269
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	7	0	0	0	0	4
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	315	818	778	77	101	295
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	79	205	195	19	25	74
Total Analysis Volume [veh/h]	315	818	778	77	101	295
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.20	0.26	0.24	0.05	0.06	0.18
Intersection LOS	C					
Intersection V/C	0.735					

Intersection Level Of Service Report
Intersection 7: Alameda Street & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.592

Intersection Setup

Name	Alameda Street		Alameda Street		Artesia Connector	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1
Pocket Length [ft]	150.00	100.00	100.00	270.00	100.00	63.00
Speed [mph]	40.00		40.00		25.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		Artesia Connector	
Base Volume Input [veh/h]	198	629	657	0	368	112
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	2	3
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	214	681	711	0	400	124
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	54	170	178	0	100	31
Total Analysis Volume [veh/h]	214	681	711	0	400	124
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Protected	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	3	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.13	0.21	0.22	0.00	0.13	0.08
Intersection LOS	A					
Intersection V/C	0.592					

Intersection Level Of Service Report
Intersection 8: Acacia Court & Artesia Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	1 hour	Volume to Capacity (v/c):	1.014

Intersection Setup

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	1	0	0	0	0	0	0	0	0
Pocket Length [ft]	100.00	100.00	22.00	215.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	25.00			35.00			30.00			45.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			No			No		

Volumes

Name	Acacia Court			Acacia Court			Artesia Boulevard			Artesia Boulevard		
Base Volume Input [veh/h]	99	47	1073	713	0	38	0	0	0	0	754	123
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	1	4	0	2	0	0	0	0	2	2
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	107	53	1162	775	0	43	0	0	0	0	818	135
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	27	13	291	194	0	11	0	0	0	0	205	34
Total Analysis Volume [veh/h]	107	53	1162	775	0	43	0	0	0	0	818	135
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Overlap	Split	Permiss	Split	Permiss	Permiss	Permiss	Permiss	Permiss	Permiss
Signal Group	8	8	2	4	0	4	0	0	0	0	2	0
Auxiliary Signal Groups			2,8			2,4						
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.10	0.36	0.24	0.00	0.03	0.00	0.00	0.00	0.00	0.30	0.30
Intersection LOS	F											
Intersection V/C	1.014											

Intersection Level Of Service Report
Intersection 9: Artesia Boulevard & Hotel Driveway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.740

Intersection Setup

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	216.00	100.00	100.00	100.00
Speed [mph]	15.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		Yes		No	

Volumes

Name	Hotel Driveway		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	14	35	49	1776	870	51
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	9	3	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	3	2	4	0	0	3
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	18	40	57	1931	944	58
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	5	10	14	483	236	15
Total Analysis Volume [veh/h]	18	40	57	1931	944	58
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	4	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.03	0.04	0.60	0.31	0.31
Intersection LOS	C					
Intersection V/C	0.740					

Intersection Level Of Service Report
Intersection 10: Artesia Connector & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.819

Intersection Setup

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Approach	Southbound		Eastbound		Westbound	
Lane Configuration						
Turning Movement	Left	Right	Left	Thru	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	1	0	0	0
Pocket Length [ft]	100.00	100.00	275.00	100.00	100.00	100.00
Speed [mph]	35.00		45.00		45.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	Yes		No		No	

Volumes

Name	Artesia Connector		Artesia Boulevard		Artesia Boulevard	
Base Volume Input [veh/h]	204	0	96	1680	607	408
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	5	4	3	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	221	0	109	1822	660	441
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	55	0	27	456	165	110
Total Analysis Volume [veh/h]	221	0	109	1822	660	441
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Overlap
Signal Group	7	0	0	6	2	0
Auxiliary Signal Groups						
Lead / Lag	Lead	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.14	0.00	0.07	0.57	0.21	0.00
Intersection LOS	D					
Intersection V/C	0.819					

Intersection Level Of Service Report
Intersection 11: SR-91 On/Off Ramps & Alameda Street

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	1 hour	Volume to Capacity (v/c):	0.599

Intersection Setup

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Approach	Northbound		Southbound		Eastbound	
Lane Configuration						
Turning Movement	Left	Thru	Thru	Right	Left	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	245.00	100.00	100.00
Speed [mph]	40.00		40.00		30.00	
Grade [%]	0.00		0.00		0.00	
Crosswalk	No		No		Yes	

Volumes

Name	Alameda Street		Alameda Street		SR-91 Off Ramp	
Base Volume Input [veh/h]	460	795	420	0	51	35
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0820	1.0820	1.0820	1.0820	1.0820	1.0820
In-Process Volume [veh/h]	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	1	2	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0
Total Hourly Volume [veh/h]	498	860	455	2	55	38
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	125	215	114	1	14	10
Total Analysis Volume [veh/h]	498	860	455	2	55	38
Pedestrian Volume [ped/h]	0		0		0	
Bicycle Volume [bicycles/h]	0		0		0	

Intersection Settings

Cycle Length [s]	90
Lost time [s]	10.00

Phasing & Timing

Control Type	Permissive	Permissive	Permissive	Permissive	Permissive	Permissive
Signal Group	0	8	4	0	6	0
Auxiliary Signal Groups						
Lead / Lag	-	-	-	-	Lead	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.31	0.27	0.14	0.00	0.03	0.02
Intersection LOS	A					
Intersection V/C	0.599					

APPENDIX G
Freeway Future without-Project LOS Worksheets

HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2019
Jurisdiction	Compton	Time Period Analyzed	Future no Project AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10807	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	3077
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.31
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2017
Jurisdiction	Compton	Time Period Analyzed	Future no Project PM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	9699	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2762
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.18
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future no Project AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10807	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	3077
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.31
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future no Project PM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	9699	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2762
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.18
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future no Project AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	11215	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2555
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.09
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future no Project PM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10066	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2293
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.98
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	53.7
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	42.7
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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APPENDIX H1
Freeway Future with-Project LOS Worksheets - Proposed Project

HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10943	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	3116
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.33
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project PM
Project Description	Artesia Station TOD TIS-A. Ahead Wilmington		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	9876	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2812
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.20
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10840	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	3087
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.31
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project PM
Project Description	Artesia Station TOD TIS-B. Back of Alameda		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	9744	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2774
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.18
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	11402	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2597
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.11
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project PM
Project Description	Artesia Station TOD TIS-C. Ahead of Alameda Street		

Geometric Data

Number of Lanes, ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10307	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2348
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.00
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	52.3
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	44.9
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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APPENDIX H2
Freeway Future with-Project LOS Worksheets - Alternate Scenario

HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project (Secondary Alternative) AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10831	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	3084
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.31
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project (Secondary Alternative) PM
Project Description	Artesia Station TOD TIS-A. Ahead Wilmington		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	9703	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2763
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.18
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project (Secondary Alternative) AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10809	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	3078
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.31
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project (Secondary Alternative) PM
Project Description	Artesia Station TOD TIS-B. Back of Alameda		

Geometric Data

Number of Lanes, ln	4	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	9699	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2762
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.18
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project (Secondary Alternative) AM
Project Description	Artesia Station TOD TIS		

Geometric Data

Number of Lanes, ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	11273	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2568
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	1.09
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	-
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	-
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	F
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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HCS7 Basic Freeway Report

Project Information

Analyst	RML	Date	8/29/2019
Agency	KOA Corporation	Analysis Year	2040
Jurisdiction	Compton	Time Period Analyzed	Future with Project (Secondary Alternative) PM
Project Description	Artesia Station TOD TIS-C. Ahead of Alameda		

Geometric Data

Number of Lanes, ln	5	Terrain Type	Level
Segment Length (L), ft	-	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	65.0	Total Ramp Density (TRD), ramps/mi	0.00
Lane Width, ft	12	Free-Flow Speed (FFS), mi/h	65.0
Right-Side Lateral Clearance, ft	10		

Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Weather Type	Non-Severe Weather	Final Capacity Adjustment Factor (CAF)	1.000
Incident Type	No Incident	Demand Adjustment Factor (DAF)	1.000

Demand and Capacity

Demand Volume veh/h	10071	Heavy Vehicle Adjustment Factor (f_{HV})	0.934
Peak Hour Factor	0.94	Flow Rate (V_p), pc/h/ln	2294
Total Trucks, %	7.12	Capacity (c), pc/h/ln	2350
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c_{adj}), pc/h/ln	2350
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.98
Passenger Car Equivalent (E_T)	2.000		

Speed and Density

Lane Width Adjustment (f_{LW})	0.0	Average Speed (S), mi/h	53.7
Right-Side Lateral Clearance Adj. (f_{RLC})	0.0	Density (D), pc/mi/ln	42.7
Total Ramp Density Adjustment	0.0	Level of Service (LOS)	E
Adjusted Free-Flow Speed (FFS_{adj}), mi/h	65.0		

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APPENDIX I
Freeway Future without-Project Queuing Reports

Intersection: 8: Artesia Bl. S/91 Off-ramp/Acacia Court & Artesia Bl

Movement	WB	WB	NB	NB	SB	SB	SB
Directions Served	T	TR	LT	R	L	L	R
Maximum Queue (ft)	393	380	70	58	53	129	56
Average Queue (ft)	224	198	20	26	3	60	16
95th Queue (ft)	367	354	50	51	33	112	42
Link Distance (ft)	372	372	736	736		432	432
Upstream Blk Time (%)	1	1					
Queuing Penalty (veh)	0	0					
Storage Bay Dist (ft)					215		
Storage Blk Time (%)				8			
Queuing Penalty (veh)				5			

Intersection: 11: Alameda Street & SR-91 eb off-ramp

Movement	EB	EB	NB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	T	T
Maximum Queue (ft)	173	108	119	97	47	160	124
Average Queue (ft)	75	52	50	29	8	71	35
95th Queue (ft)	136	88	99	75	31	138	91
Link Distance (ft)	499			540	540	598	598
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		408	506				
Storage Blk Time (%)							
Queuing Penalty (veh)							

Network Summary

Network wide Queuing Penalty: 5

Intersection: 8: Artesia Bl. S/91 Off-ramp/Acacia Court & Artesia Bl

Movement	WB	WB	NB	NB	NB	B9	SB	SB	SB
Directions Served	T	TR	LT	R	R	T	L	L	R
Maximum Queue (ft)	341	290	105	848	7	982	240	466	451
Average Queue (ft)	226	177	32	750	0	714	205	438	352
95th Queue (ft)	316	272	78	1027	3	1336	252	459	629
Link Distance (ft)	372	372	736	736		921		432	432
Upstream Blk Time (%)	0			46		40		99	68
Queuing Penalty (veh)	0			0		0		0	0
Storage Bay Dist (ft)					22		215		
Storage Blk Time (%)				45	0		15	99	
Queuing Penalty (veh)				262	0		56	382	

Intersection: 11: Alameda Street & SR-91 eb off-ramp

Movement	EB	EB	NB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	T	T
Maximum Queue (ft)	111	63	270	83	109	83	36
Average Queue (ft)	41	20	141	25	32	26	5
95th Queue (ft)	82	47	247	70	84	68	23
Link Distance (ft)	499			540	540	598	598
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		408	506				
Storage Blk Time (%)							
Queuing Penalty (veh)							

Network Summary

Network wide Queuing Penalty: 700

APPENDIX J1
Freeway Future with-Project Queuing Reports - Proposed Project

Intersection: 8: Artesia Bl. S/91 Off-ramp/Acacia Court & Artesia Bl

Movement	WB	WB	NB	NB	SB	SB	SB
Directions Served	T	TR	LT	R	L	L	R
Maximum Queue (ft)	378	349	93	76	115	168	70
Average Queue (ft)	216	188	32	35	8	84	25
95th Queue (ft)	371	347	71	62	51	144	55
Link Distance (ft)	372	372	736	736		432	432
Upstream Blk Time (%)	1	1					
Queuing Penalty (veh)	0	0					
Storage Bay Dist (ft)					215		
Storage Blk Time (%)				13		0	
Queuing Penalty (veh)				10		0	

Intersection: 11: Alameda Street & SR-91 eb off-ramp

Movement	EB	EB	NB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	T	T
Maximum Queue (ft)	200	112	121	77	53	170	152
Average Queue (ft)	88	54	59	25	9	90	50
95th Queue (ft)	153	93	111	63	34	155	114
Link Distance (ft)	499			540	540	598	598
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		408	506				
Storage Blk Time (%)							
Queuing Penalty (veh)							

Network Summary

Network wide Queuing Penalty: 10

Intersection: 8: Artesia Bl. S/91 Off-ramp/Acacia Court & Artesia Bl

Movement	WB	WB	NB	NB	B9	SB	SB	SB
Directions Served	T	TR	LT	R	T	L	L	R
Maximum Queue (ft)	375	292	172	833	975	240	447	460
Average Queue (ft)	203	158	67	800	861	203	434	364
95th Queue (ft)	312	271	140	920	1259	245	450	633
Link Distance (ft)	372	372	736	736	921		432	432
Upstream Blk Time (%)	0			62	57		100	75
Queuing Penalty (veh)	0			0	0		0	0
Storage Bay Dist (ft)						215		
Storage Blk Time (%)				56		13	100	
Queuing Penalty (veh)				348		54	402	

Intersection: 11: Alameda Street & SR-91 eb off-ramp

Movement	EB	EB	NB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	T	T
Maximum Queue (ft)	136	49	414	255	181	113	55
Average Queue (ft)	67	19	169	43	49	37	11
95th Queue (ft)	117	45	329	149	142	89	38
Link Distance (ft)	499			540	540	598	598
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		408	506				
Storage Blk Time (%)			0				
Queuing Penalty (veh)			1				

Network Summary

Network wide Queuing Penalty: 804

APPENDIX J2
Freeway Future with-Project Queuing Reports - Alternate Scenario

Intersection: 8: Artesia Bl. S/91 Off-ramp/Acacia Court & Artesia Bl

Movement	WB	WB	NB	NB	SB	SB	SB
Directions Served	T	TR	LT	R	L	L	R
Maximum Queue (ft)	390	387	64	70	72	130	62
Average Queue (ft)	215	187	21	29	3	58	16
95th Queue (ft)	362	334	53	55	34	112	44
Link Distance (ft)	372	372	736	736		432	432
Upstream Blk Time (%)	1	1					
Queuing Penalty (veh)	0	0					
Storage Bay Dist (ft)					215		
Storage Blk Time (%)				9		0	
Queuing Penalty (veh)				5		0	

Intersection: 11: Alameda Street & SR-91 eb off-ramp

Movement	EB	EB	NB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	T	T
Maximum Queue (ft)	154	103	128	102	53	168	123
Average Queue (ft)	76	49	51	27	8	75	36
95th Queue (ft)	134	87	100	69	32	140	90
Link Distance (ft)	499			540	540	598	598
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		408	506				
Storage Blk Time (%)							
Queuing Penalty (veh)							

Network Summary

Network wide Queuing Penalty: 5

Intersection: 8: Artesia Bl. S/91 Off-ramp/Acacia Court & Artesia Bl

Movement	WB	WB	NB	NB	NB	B9	SB	SB	SB
Directions Served	T	TR	LT	R	R	T	L	L	R
Maximum Queue (ft)	373	322	119	844	3	972	240	466	451
Average Queue (ft)	236	184	33	759	0	725	202	438	344
95th Queue (ft)	341	287	81	1006	2	1344	251	459	633
Link Distance (ft)	372	372	736	736		921		432	432
Upstream Blk Time (%)	0	0		45		39		100	67
Queuing Penalty (veh)	0	0		0		0		0	0
Storage Bay Dist (ft)					22		215		
Storage Blk Time (%)				44	0		20	100	
Queuing Penalty (veh)				258	0		76	385	

Intersection: 11: Alameda Street & SR-91 eb off-ramp

Movement	EB	EB	NB	NB	NB	SB	SB
Directions Served	L	R	L	T	T	T	T
Maximum Queue (ft)	119	55	301	96	113	75	44
Average Queue (ft)	40	22	142	25	30	25	5
95th Queue (ft)	86	47	257	73	85	64	25
Link Distance (ft)	499			540	540	598	598
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		408	506				
Storage Blk Time (%)							
Queuing Penalty (veh)							

Network Summary

Network wide Queuing Penalty: 719

APPENDIX K
Traffic Signal Warrant Analysis

INTERSECTION: Acacia Court & Walnut Street

Figure 4C-101 (CA). Traffic Signal Warrants Worksheets (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume

SATISFIED* **YES** ☐ **NO** ☐

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More					Hour
Both Approaches - Major Street		x					
Higher Approach - Minor Street		x					

*All plotted points fall above the curves in Figure 4C-1. (Urban Areas)	YES ☐	NO ☐
OR, All plotted points fall above the curves in Figure 4C-2. (Rural Areas)	YES ☐	NO ☐

WARRANT 3 - Peak Hour
(Part A or Part B must be satisfied)

SATISFIED **YES** ☐ **NO** ☒

PART A

SATISFIED **YES** ☐ **NO** ☒

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1	The total delay experienced for traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	*19.3 seconds in delay &* *2 vehicle-hours of delay*	YES ☐ NO ☒
2	The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND		YES ☒ NO ☐
3	The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.		YES ☒ NO ☐

PART B

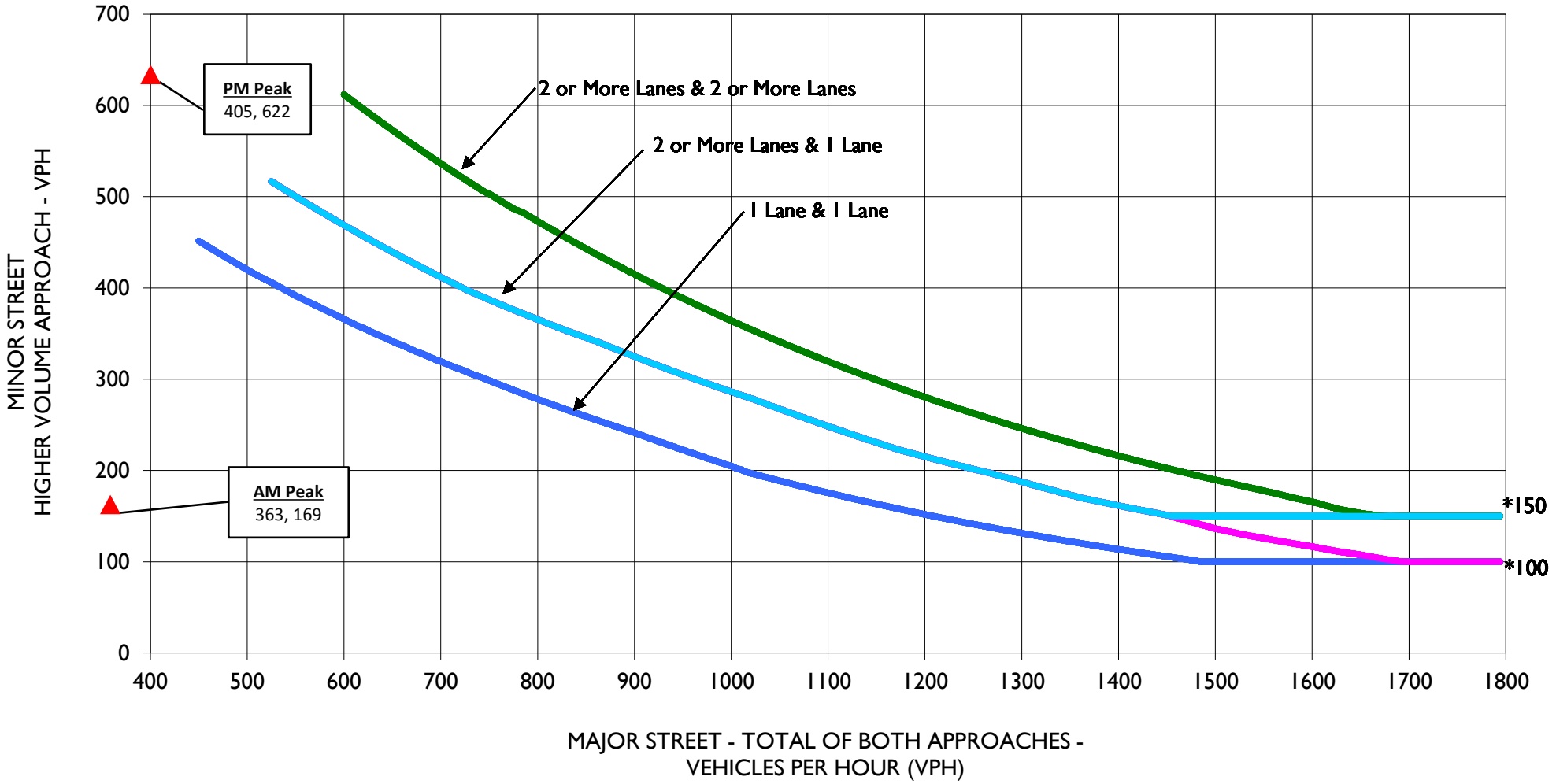
SATISFIED **YES** ☐ **NO** ☒

APPROACH LANES	One	2 or More	*am peak*	*pm peak*
Both Approaches - Major Street		x	363	405
Higher Approach - Minor Street		x	169	622

The plotted point falls above the curve in Figure 4C-3.	YES ☐	NO ☒
OR, The plotted point falls above the curve in Figure 4C-4.	YES ☐	NO ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-3 Warrant 3
Acacia Court & Walnut Street
AM (PM) Peak hour Traffic Signal Warrant Based on California Manual on Uniform Traffic Control Devices, 2014
Existing With Project Conditions (The Project)



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

LEGEND

▲ Acacia Court (2 Lane Major Street): 1323(602) VPH
Walnut Street (3 Lane Minor Street): 2308(98) VPH

Peak Hour Volumes Satify Warrants? NO

INTERSECTION: Acacia Court & Walnut Street

Figure 4C-101 (CA). Traffic Signal Warrants Worksheets (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume

SATISFIED* **YES** ☐ **NO** ☐

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More					Hour
Both Approaches - Major Street		x					
Higher Approach - Minor Street		x					

*All plotted points fall above the curves in Figure 4C-1. (Urban Areas)	YES ☐	NO ☐
OR, All plotted points fall above the curves in Figure 4C-2. (Rural Areas)	YES ☐	NO ☐

WARRANT 3 - Peak Hour
(Part A or Part B must be satisfied)

SATISFIED **YES** ☐ **NO** ☒

PART A

SATISFIED **YES** ☐ **NO** ☒

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1	The total delay experienced for traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	*10.27 seconds in delay &*	YES ☐ NO ☒ *2 vehicle-hours of delay*
2	The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND		YES ☒ NO ☐
3	The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.		YES ☒ NO ☐

PART B

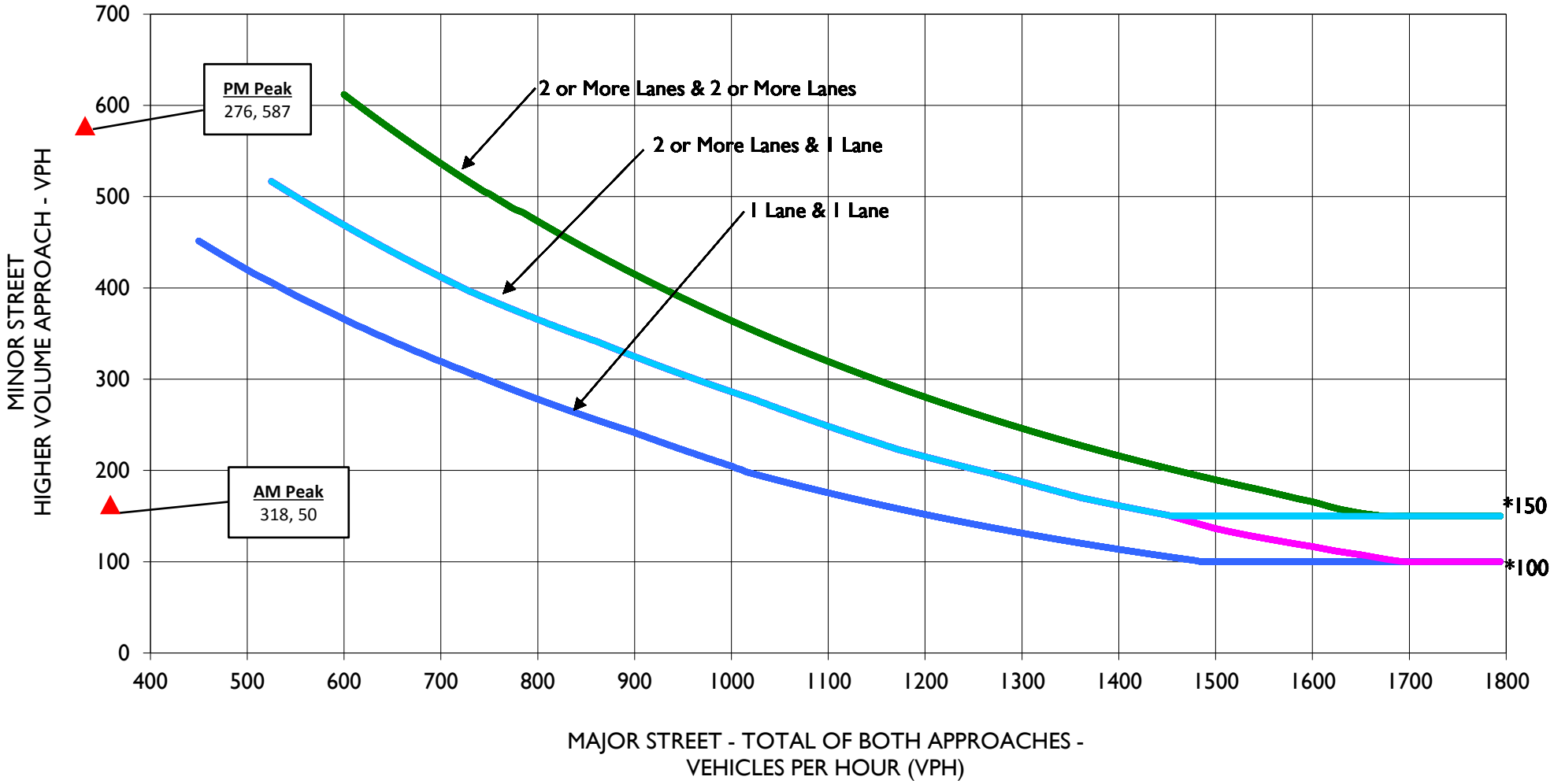
SATISFIED **YES** ☐ **NO** ☒

APPROACH LANES	One	2 or More	*am peak*	*pm peak*
Both Approaches - Major Street		x	318	276
Higher Approach - Minor Street		x	50	587

The plotted point falls above the curve in Figure 4C-3.	YES ☐	NO ☒
OR, The plotted point falls above the curve in Figure 4C-4.	YES ☐	NO ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-3 Warrant 3
Acacia Court & Walnut Street
AM (PM) Peak hour Traffic Signal Warrant Based on California Manual on Uniform Traffic Control Devices, 2014
Existing With Project Conditions (Alternate Scenario)

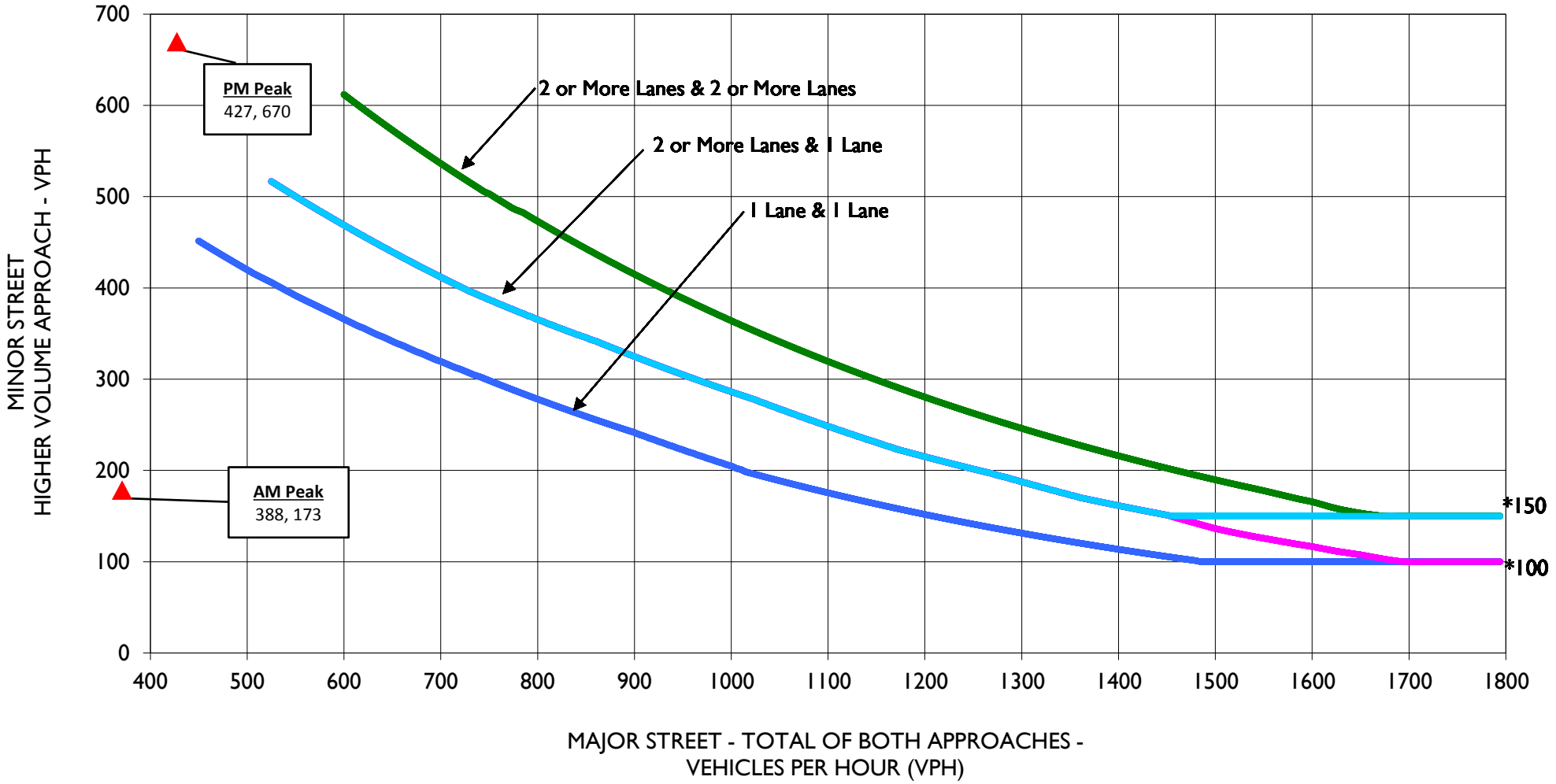


*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

LEGEND
▲ Acacia Court (2 Lane Major Street): 1323(602) VPH
Walnut Street (3 Lane Minor Street): 2308(98) VPH

Peak Hour Volumes Satify Warrants? NO

Figure 4C-3 Warrant 3
Acacia Court & Walnut Street
AM (PM) Peak hour Traffic Signal Warrant Based on California Manual on Uniform Traffic Control Devices, 2014
Future With Project Conditions (The Project)



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

LEGEND
▲ Acacia Court (2 Lane Major Street): 1323(602) VPH
Walnut Street (3 Lane Minor Street): 2308(98) VPH

Peak Hour Volumes Satify Warrants? NO

INTERSECTION: Acacia Court & Walnut Street

Figure 4C-101 (CA). Traffic Signal Warrants Worksheets (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume

SATISFIED* **YES** ☐ **NO** ☐

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More					Hour
Both Approaches - Major Street		x					
Higher Approach - Minor Street		x					

*All plotted points fall above the curves in Figure 4C-1. (Urban Areas)	YES ☐	NO ☐
OR, All plotted points fall above the curves in Figure 4C-2. (Rural Areas)	YES ☐	NO ☐

WARRANT 3 - Peak Hour
(Part A or Part B must be satisfied)

SATISFIED **YES** ☐ **NO** ☒

PART A

SATISFIED **YES** ☐ **NO** ☒

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1	The total delay experienced for traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	*21.32 seconds in delay &* *2 vehicle-hours of delay*	YES ☐ NO ☒
2	The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND		YES ☒ NO ☐
3	The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.		YES ☒ NO ☐

PART B

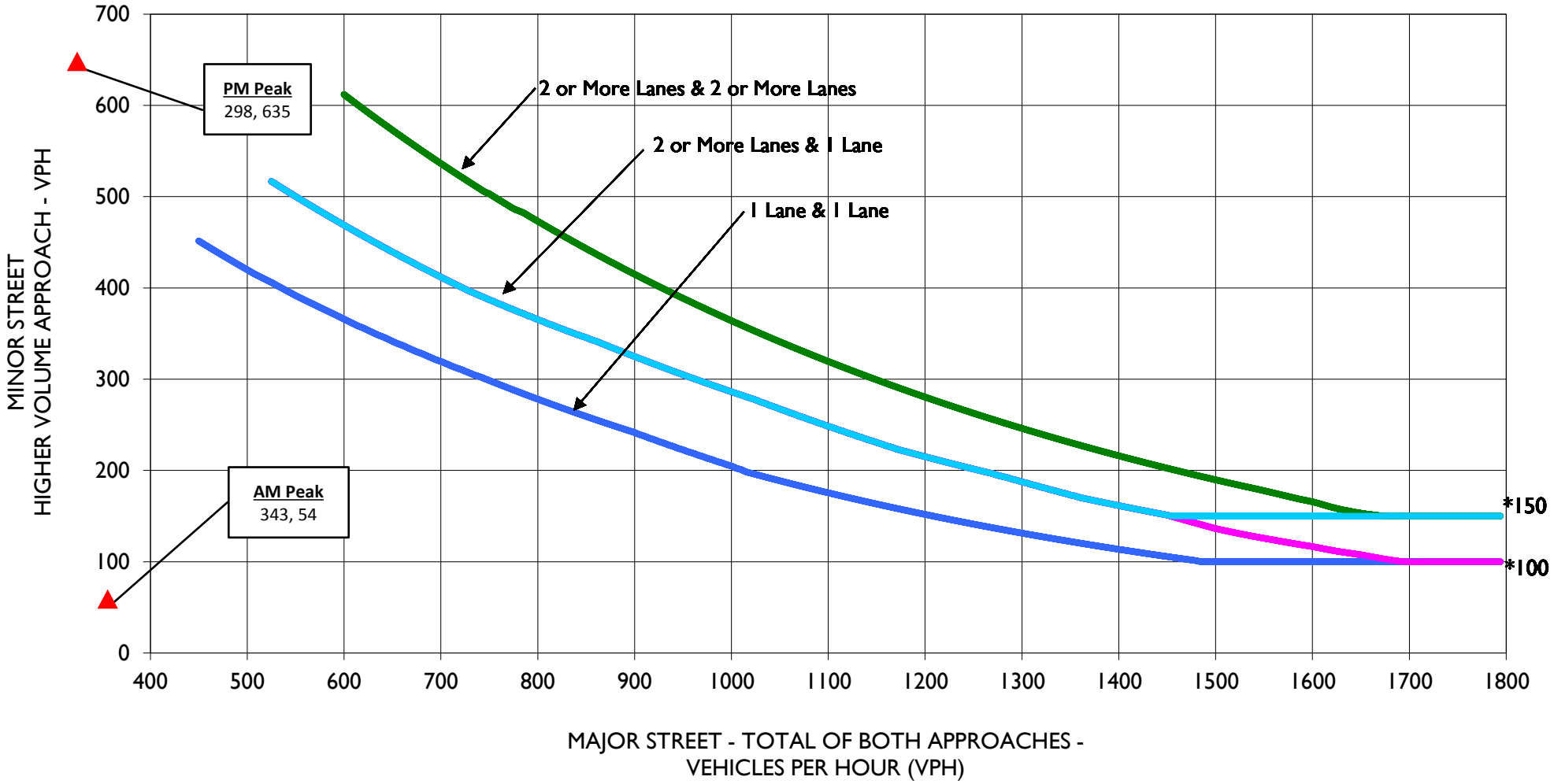
SATISFIED **YES** ☐ **NO** ☒

APPROACH LANES	One	2 or More	*am peak*	*pm peak*
Both Approaches - Major Street		x	388	427
Higher Approach - Minor Street		x	173	670

The plotted point falls above the curve in Figure 4C-3.	YES ☐	NO ☒
OR, The plotted point falls above the curve in Figure 4C-4.	YES ☐	NO ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-3 Warrant 3
Acacia Court & Walnut Street
AM (PM) Peak hour Traffic Signal Warrant Based on California Manual on Uniform Traffic Control Devices, 2014
Future With Project Conditions (Alternate Scenario)



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

LEGEND
▲ Acacia Court (2 Lane Major Street): 1323(602) VPH
Walnut Street (3 Lane Minor Street): 2308(98) VPH

Peak Hour Volumes Satify Warrants? NO

INTERSECTION: Acacia Court & Walnut Street

Figure 4C-101 (CA). Traffic Signal Warrants Worksheets (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume

SATISFIED* **YES** ☐ **NO** ☐

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More					Hour
Both Approaches - Major Street		x					
Higher Approach - Minor Street		x					

*All plotted points fall above the curves in Figure 4C-1. (Urban Areas)	YES ☐	NO ☐
OR, All plotted points fall above the curves in Figure 4C-2. (Rural Areas)	YES ☐	NO ☐

WARRANT 3 - Peak Hour
(Part A or Part B must be satisfied)

SATISFIED **YES** ☐ **NO** ☒

PART A

SATISFIED **YES** ☐ **NO** ☒

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1	The total delay experienced for traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	*10.52 seconds in delay &*	YES ☐ NO ☒ *2 vehicle-hours of delay*
2	The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND		YES ☒ NO ☐
3	The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.		YES ☒ NO ☐

PART B

SATISFIED **YES** ☐ **NO** ☒

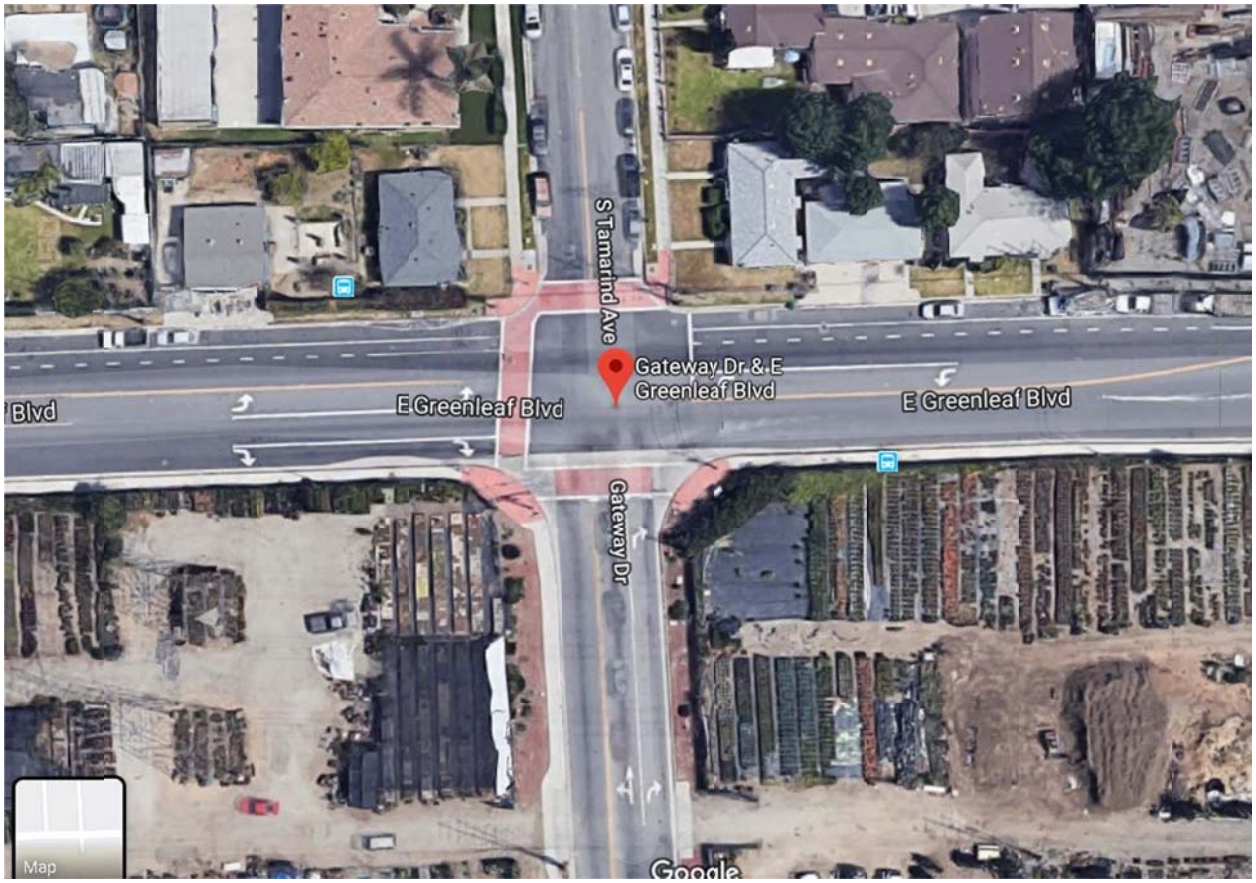
APPROACH LANES	One	2 or More	*am peak*	*pm peak*
Both Approaches - Major Street		x	343	298
Higher Approach - Minor Street		x	54	635

The plotted point falls above the curve in Figure 4C-3.	YES ☐	NO ☒
OR, The plotted point falls above the curve in Figure 4C-4.	YES ☐	NO ☐

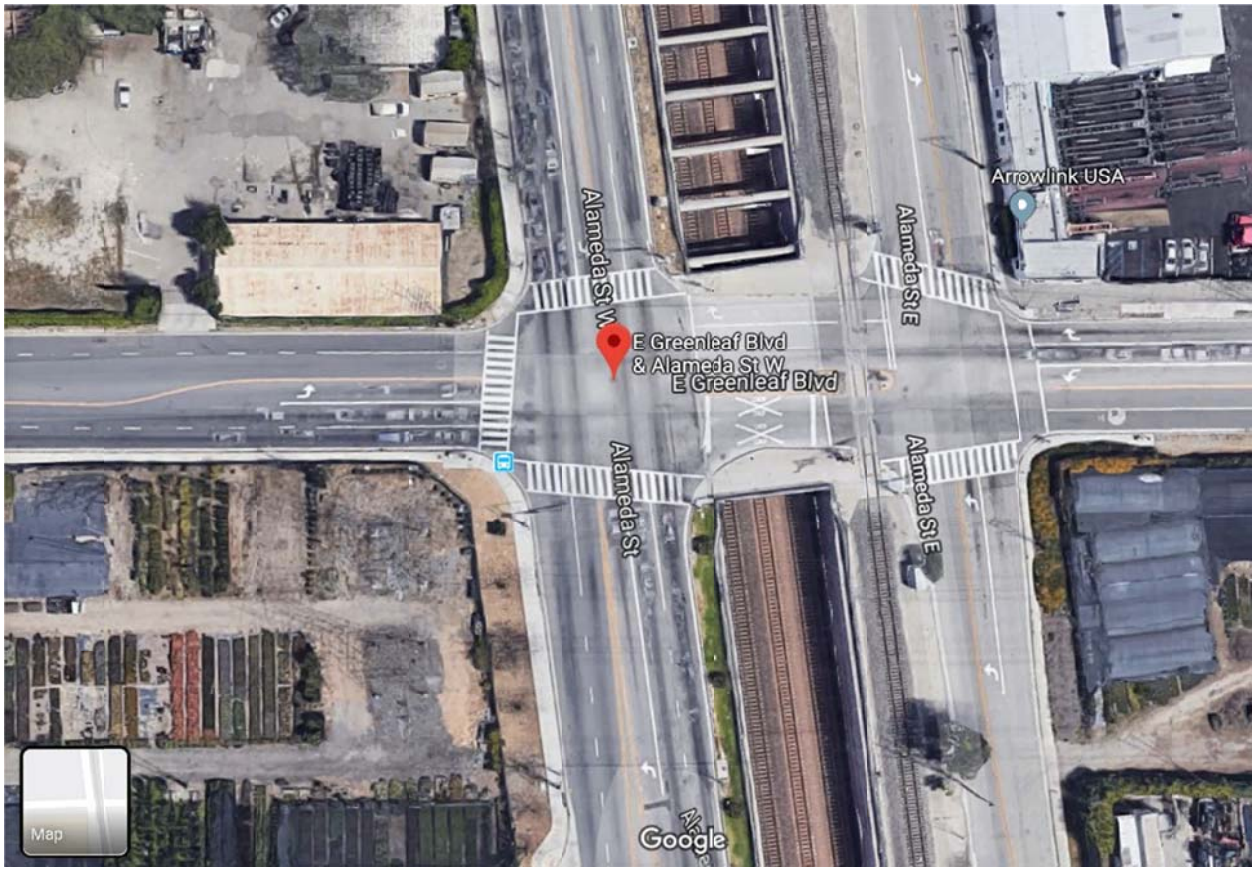
The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

APPENDIX L
AERIAL MAPS OF SIGNIFICANTLY-IMPACTED INTERSECTIONS

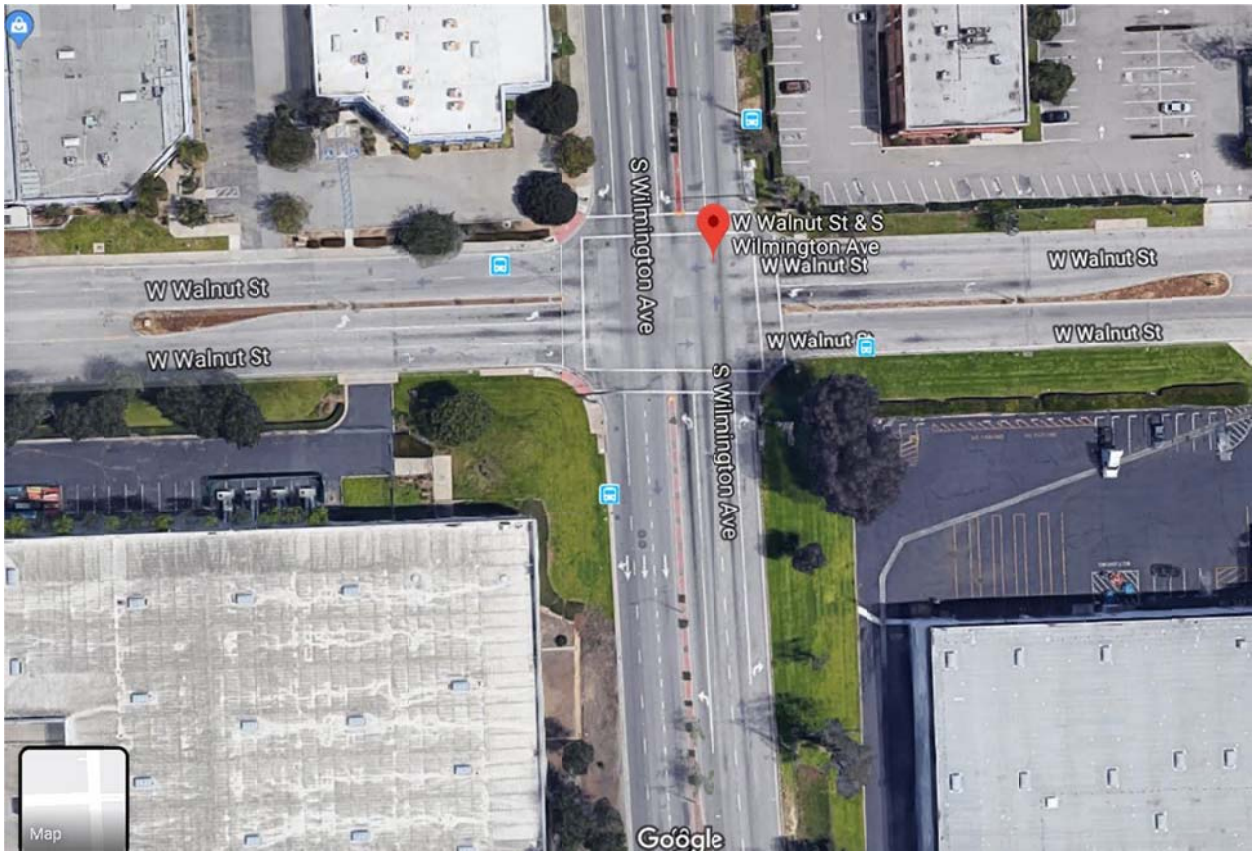
1	Gateway Dr/Tamarind Ave & Greenleaf Blvd



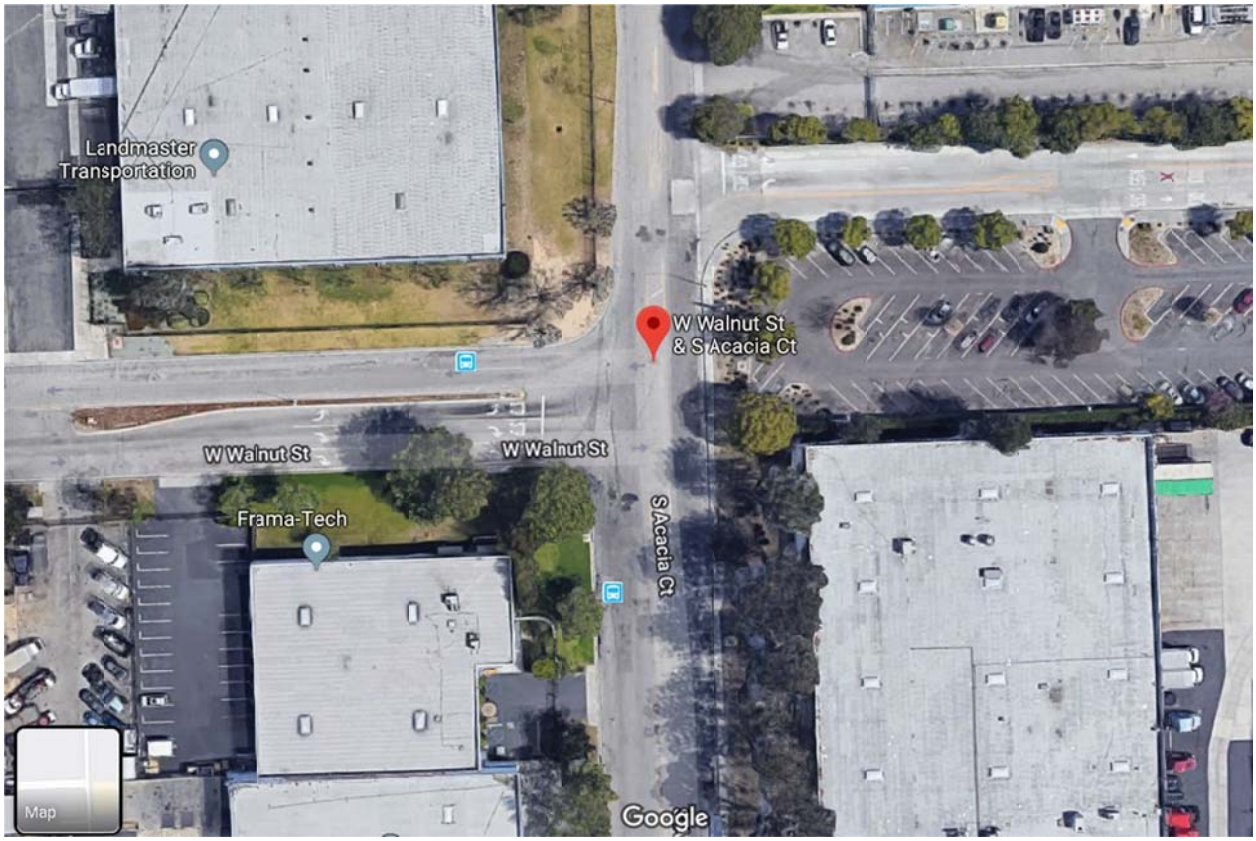
2	Alameda St West & Greenleaf Blvd



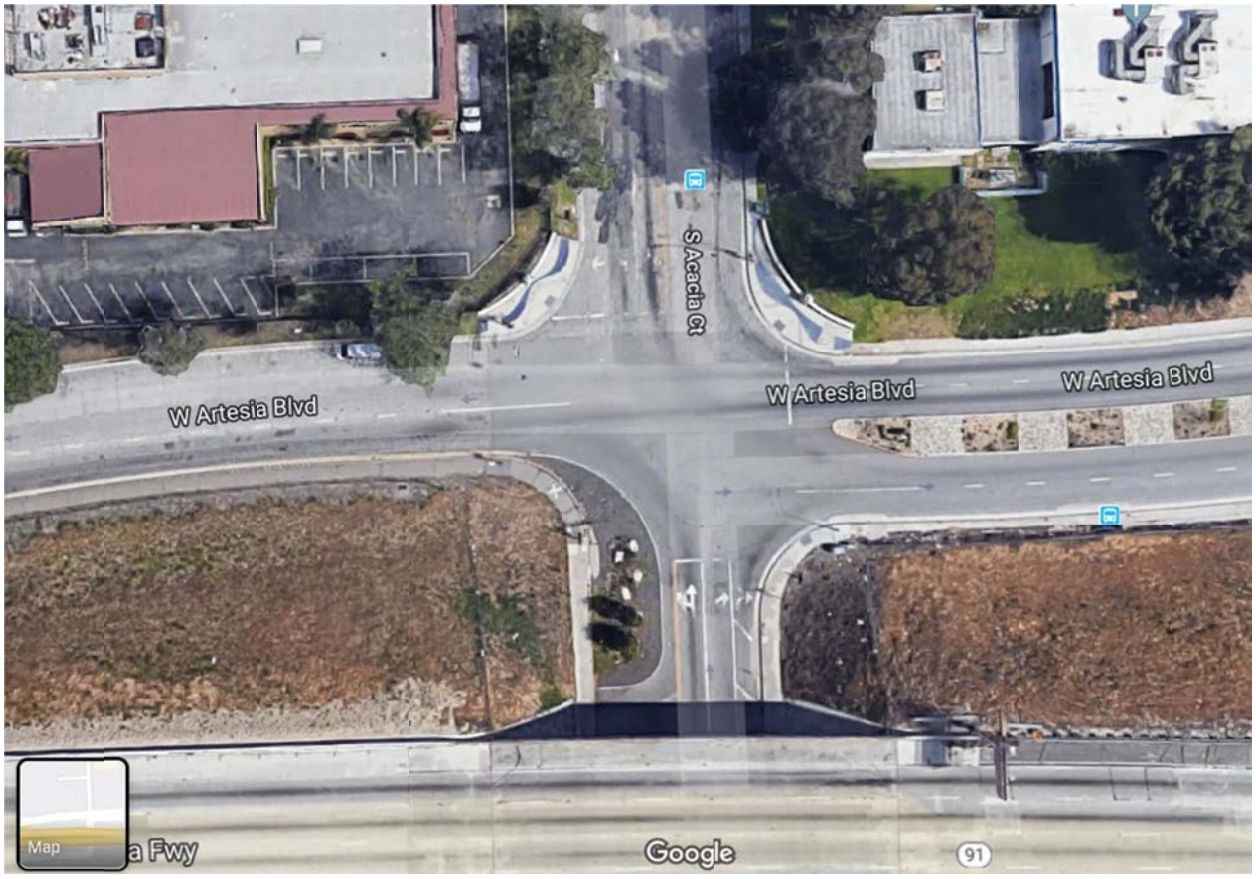
3	Wilmington Ave & Walnut St



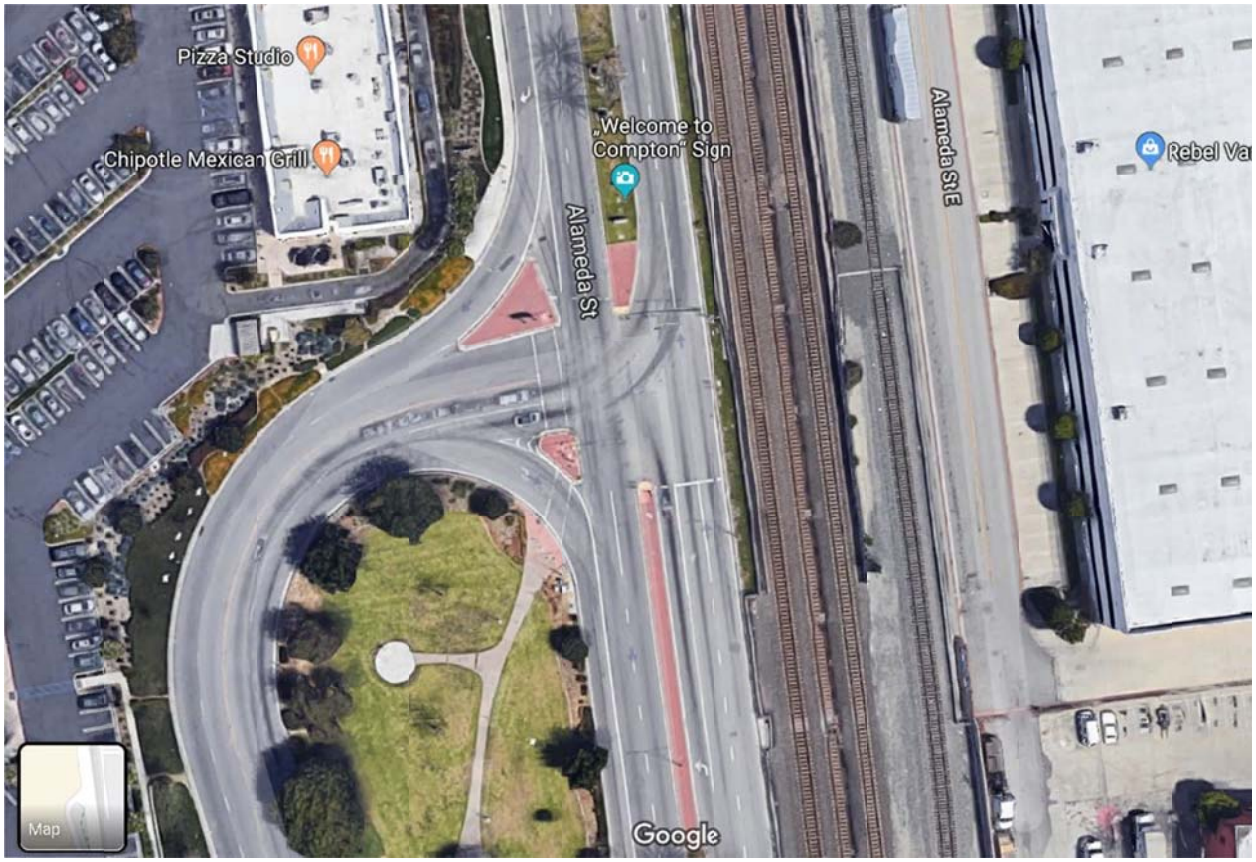
4	Acacia Court & Walnut St



8	Acacia Court & Artesia Blvd



10	Artesia Blvd Connector & Alameda St



APPENDIX M
Vehicle Miles Traveled (VMT) Analysis Output

Compton TOD VMT Analysis - OD trips * OD Skim Method

2018 Existing Conditions

	Peak Period		Off-peak Period		Daily	
	Outside	Study Area	Outside	Study Area	Outside	Study Area
Outside	89,567,664	21,999	126,538,200	32,607	216,105,864	54,607
Study Area	22,813	8	33,732	21	56,545	29
Total VMT		89,612,485		126,604,560		216,217,044
Project VMT		44,821		66,360		111,180

2018 Primary Scenario

	Peak Period		Off-peak Period		Daily		
	Outside	Study Area	Outside	Study Area	Outside	Study Area	
Outside	89,625,200	62,156	126,638,416	94,073	216,263,616	156,229	
Study Area	62,678	282	88,863	712	151,541	995	
Total VMT		89,750,317		126,822,064		216,572,381	Delta VMT
Project VMT		125,117		183,648		308,765	197,585

2018 Secondary Scenario

	Peak Period		Off-peak Period		Daily		
	Outside	Study Area	Outside	Study Area	Outside	Study Area	
Outside	89,880,608	27,834	126,500,416	42,748	216,381,024	70,582	
Study Area	27,707	45	40,094	121	67,801	166	
Total VMT		89,936,194		126,583,379		216,519,573	Delta VMT
Project VMT		55,586		82,963		138,549	27,369

Project VMT Summary

Model Scenarios	Gross VMT	Change in VMT from Baseline	Delta Service Population	VMT/Service Population
Baseline	111,180	-		
Primary Alternative	308,765	197,585	8,766	22.5
Secondary Alternative	138,549	27,369	2,128	12.9