APPENDICES

Appendix 1.0-1:
NOP Comments

Riverside County
Waste Management Department
Hans W. Kernkamp, General Manager-Chief Engineer

March 17, 2015

Eric Norris, Planning Director
City of Eastvale
12363 Limonite Avenue, Suite 910
Eastvale, CA 91752

RE: Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR) for the Leal Master Plan

Dear Mr. Norris:

The Riverside County Waste Management Department (RCWMD) has reviewed the NOP for a Draft EIR for the Leal Master Plan. The project is located in the northeastern section of Eastvale, the site is bounded by 58th Street to the north, Hamner Avenue to the east, Limonite Avenue to the south, and Cleveland Avenue to the west, within the City of Eastvale (City). The following comments should be addressed in the forthcoming DEIR:

1. Construction of the proposed Project may substantially increase the quantity of construction and demolition (C&D) waste generated within the City. Should a large quantity of the C&D waste be brought to a County landfill for disposal, it could exceed the landfill's daily permitted capacity, thus a violation of state regulations. The DEIR should quantitatively analyze this potential solid waste impact and discuss feasible mitigation programs.

2. Build-out of the Project may have the potential to generate a substantial amount of waste that might adversely affect solid waste facilities. To assess waste impacts, the DEIR will need to include the projected maximum amount of waste generated at built-out of the Project, using appropriate waste generation factors for the proposed land uses. (Note: Consult the CalRecycle website to determine waste generation factors at:

   www.calrecycle.ca.gov/wastechar/wastegenrates)

3. The following information can be useful in the analysis of solid waste impacts:

   a) The El Sobrante and Badlands landfills are the nearest landfills to the project site.

      El Sobrante Landfill:

      The El Sobrante Landfill is located east of Interstate 15 and Temescal Canyon Road, and south of the City of Corona and Cajalco Road at 10910 Dawson Canyon Road. The landfill is owned and operated by USA Waste of California, a subsidiary of Waste Management, Inc., and encompasses 1,322 acres, of which 645 acres are permitted for landfill operation. According to Solid Waste Facility Permit (SWFP) # AA-33-0217 issued on 09/09/2009, the El Sobrante Landfill has a total disposal capacity of approximately 209.91 million cubic yards and can receive up to 70,000 tons per week (tpw) of refuse. USA Waste must allot at least 28,000 tpw for County refuse. The SWFP allows a maximum of 16,054 tons per day (tpd) of

waste to be accepted into the landfill, due to the limits on vehicle trips. If needed, 5,000 tpd must be reserved for County waste, leaving the maximum commitment of Non-County waste at 11,054 tpd. As of January 1, 2014 (beginning of day), the landfill had a remaining in-County disposal capacity of approximately 36.471 million tons.[1] In 2013, the El Sobrante Landfill accepted a total of 685,611 tons, or approximately 0.685 million tons, of waste generated within Riverside County. The daily average for in-County waste was 2,233 tons during 2013. The landfill is expected to reach capacity in approximately 2045.

Badlands Landfill:

The Badlands Landfill is located northeast of the City of Moreno Valley at 31125 Ironwood Avenue and accessed from State Highway 60 at Theodore Avenue. The landfill is owned and operated by Riverside County. The existing landfill encompasses 1,168.3 acres, of which 150 acres are permitted for refuse disposal and another 96 acres are designated for existing and planned ancillary facilities and activities. The landfill is currently permitted to receive 4,000 tons per day and had an estimated total capacity of approximately 17.620 million tons.[2] As of January 1, 2014 (beginning of day), the landfill had a total remaining disposal capacity of approximately 7.322 million tons.[3] The Badlands Landfill is projected to reach capacity, at the earliest time, in 2024.[4] During 2013, the Badlands Landfill accepted a daily average volume of 1,980 tons and a period total of approximately 607,977 tons. Further landfill expansion potential exists at the Badlands Landfill site.

4. The project proponent is also encouraged to consider incorporating the following measures to help reduce the anticipated project's solid waste impacts and enhance the City's efforts to comply with the State's mandate of 50% solid waste diversion from landfilling.

   - The use of mulch and/or compost in the development and maintenance of landscaped areas within the project boundaries is recommended. Recycle green waste through either onsite composting of grass, i.e., leaving the grass clippings on the lawn, or sending separated green waste to a composting facility.

   - Consider xeriscaping and the use of drought tolerant low maintenance vegetation in all landscaped areas of the project.

   - Hazardous materials are not accepted at the Riverside County landfills. Any hazardous wastes, including paint, used during construction must be properly disposed of at a licensed facility in accordance with local, state and federal regulations.

5. Since hazardous materials are not accepted at Riverside County landfills, the project proponent shall take any hazardous wastes, including paint used during construction, to facilities that are permitted to receive them, in accordance with local, state, and federal regulations. For further information, please contact the Household Hazardous Waste Collection Program at 1-800-304-2226.

---

1 Based on remaining capacity estimated for the prior year and tonnage figures as reported in SiteInfo
2 Badlands JTD, Addendum No. 5, dated June 2010.
3 GASB_2013 & SiteInfo
4 Badlands JTD, Addendum No. 5, dated June 2010.

6. AB 341 focuses on increased commercial waste recycling as a method to reduce greenhouse gas (GHG) emissions. The regulation requires businesses and organizations that generate four or more cubic yards of waste per week and multifamily units of 5 or more, to recycle. A business shall take at least one of the following actions in order to reuse, recycle, compost, or otherwise divert commercial solid waste from disposal:
   - Source separate recyclable and/or compostable material from solid waste and donate or self-haul the material to recycling facilities.
   - Subscribe to a recycling service with their waste hauler.
   - Provide recycling service to their tenants (if commercial or multi-family complex).
   - Demonstrate compliance with the requirements of California Code of Regulations Title 14.

   For more information, please visit:
   www.rivcowm.org/opencms/recycling/recycling_and_compost_business.html#mandatory

7. AB 1826 (effective April 1, 2016) requires businesses that generate 8 cubic yards or more of organic waste per week to arrange for organic waste recycling services. The threshold amount of organic waste generated requiring compliance by businesses is reduced in subsequent years. Businesses subject to AB 1826 shall take at least one of the following actions in order to divert organic waste from disposal:

   - Source separate organic material from all other recyclables and donate or self-haul to a permitted organic waste processing facility.

   - Enter into a contract or work agreement with gardening or landscaping service provider or refuse hauler to ensure the waste generated from those services meet the requirements of AB 1826.

Thank you for the opportunity to review and comment on the Notice of Preparation. We would appreciate a copy of the Draft EIR on CD for review and comment when available. I can be reached at (951) 486-3200 if you have any questions regarding the above comments.

Sincerely,

Jose Merlan
Urban/Regional Planner II

PD#171811

CITY OF ONTARIO
303 EAST "B" STREET, CIVIC CENTER ONTARIO CALIFORNIA 91764-4105
(909) 395-2000
FAX (909) 395-2070

April 6, 2015

City of Eastvale
Mr. Eric Norris, Planning Director
12363 Limonite Avenue, Suite 910
Eastvale, California 91752

RE: NOTICE OF PREPARATION FOR PROPOSED LEAL MASTER PLAN LOCATED IN THE CITY OF EASTVALE

Mr. Norris,

Thank you for allowing the City of Ontario an opportunity to review and comment on the above referenced project. After reviewing the Notice of Preparation, the City requests that the following comment be addressed:

- The EIR traffic analysis should include analyses of all intersections on Hamner, Haven and Archibald Avenues between the county line and the SR 60 Freeway projected to receive 50 or more two-way peak hour trips at project build out.

- The EIR traffic analysis should determine the fair share mitigation cost for the widening of Archibald Avenue crossing over the county line channel.

We appreciate being involved in the environmental review of the project and look forward to continued communications regarding this project. If you have any questions regarding our comments, please contact me at (909) 395-2419, or Richard Ayala, Senior Planner, at (909) 395-2421.

Sincerely,

Scott Murphy, AICP
Planning Director

Santa Ana Watershed Project Authority

OVER 45 YEARS OF INNOVATION, VISION, AND WATERSHED LEADERSHIP

One Water One Watershed
AWRA INTEGRATED WATER RESOURCES MANAGEMENT AWARD
HARVARD KENNEDY SCHOOL'S TOP 25 INNOVATIONS IN AMERICAN GOVERNMENT

March 18, 2015

RECEIVED
MAR 24 2015
CITY OF EASTVALE

Mr. Eric Norris
Planning Director
City of Eastvale
12363 Limonite Avenue, Suite 910
Eastvale, CA 91752

Re: City of Eastvale Notice of Preparation (NOP) of Leal Master Plan Draft Environmental Impact Report (EIR)

Dear Mr. Norris,

We appreciate the opportunity to provide comments to the City of Eastvale's NOP of the Leal Master Plan Draft EIR. We are hopeful that you find these comments helpful from the Santa Ana Watershed Project Authority, SAWPA, the owner and operator of the Inland Empire Brine Line.

The Inland Empire Brine Line, formerly known as the Santa Ana Regional Interceptor (SARI Line), provides a cost-effective, sustainable means of disposal of non-reclaimable wastes for utilities and industry within the Santa Ana River Watershed. It allows utilities and industries to locate in the Inland Empire that normally would need to locate near a sanitation plant that is capable of discharging the treated brine.

We wanted to bring to your attention that the Inland Empire Brine Line runs near the project boundary along the east side of Hamner Avenue. Please keep us apprised of any planning documents in order for our agencies to coordinate before the construction phase of the project.

If you have any questions regarding these comments please contact Ian Achimore at (951) 354-4233 or iachimore@sawpa.org.

Sincerely,

Celeste Cantú
General Manager

825 East Third Street, San Bernardino, CA 92415-0835 | Phone: 909.387.8109 Fax: 909.387.7876

www.SBCounty.gov

SAN BERNARDINO COUNTY

Department of Public Works
- Environmental & Construction • Flood Control
- Operations • Solid Waste Management
- Surveyor • Transportation

Gerry Newcombe
Director

April 7, 2015

File: 10(ENV)-4.01

Eric Norris, Planning Director
City of Eastvale
12363 Limonite Avenue, Suite 910
Eastvale, CA 91752

RE: CEQA – NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE LEAL MASTER PLAN FOR THE CITY OF EASTVALE

Dear Mr. Norris:

Thank you for giving the San Bernardino County Department of Public Works the opportunity to comment on the above-referenced project. **We received this request on March 10, 2015,** and pursuant to our review, the following comments are provided:

Environmental Management Division (Erma Hurse, Senior Planner, 909-387-1864):

The cumulative impact of this project, when considered with the possible cumulative impacts of all other approved (or anticipated) development in the project area, is potentially significant. Please address cumulative impacts as it relates to this project and other anticipated development in the area.

If you have any questions, please contact the individuals who provided the specific comment, as listed above.

Sincerely,

NIDHAM ARAM ALRAYES, MSCE, P.E., QSD/P
Public Works Engineer III
Environmental Management

NAA:PE:nh/CEQAComment_Eastvale_DEIR_LealMasterPlan_2015-04-07-01.docx

STATE OF CALIFORNIA

GOVERNOR'S OFFICE *of* PLANNING AND RESEARCH

STATE CLEARINGHOUSE AND PLANNING UNIT

EDMUND G. BROWN JR.
GOVERNOR

KEN ALEX
DIRECTOR

Notice of Preparation

March 6, 2015

To: Reviewing Agencies

Re: Leal Master Plan (Planning Application No. 14-0009) EIR
SCH# 2015031028

Attached for your review and comment is the Notice of Preparation (NOP) for the Leal Master Plan (Planning Application No. 14-0009) EIR draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Eric Norris
City of Eastvale
12363 Limonite Avenue, Suite 910
Eastvale, CA 91752

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Attachments
cc: Lead Agency

1400 10th Street P.O. Box 3044 Sacramento, California 95812-3044
(916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

Document Details Report
State Clearinghouse Data Base

SCH#	2015031028
Project Title	Leal Master Plan (Planning Application No. 14-0009) EIR
Lead Agency	Eastvale, City of

Type	NOP Notice of Preparation
Description	The proposed Leal Master Plan allows for the development of commercial, office, hotel, civic, and residential uses on an approximately 160-acre site. The Master Plan does not include a map specifying the location of intended land uses, but rather includes a table of land uses that can occur at any location on the project site. The project includes a minimum of 500 dwelling units and possibly more. Non-residential uses can range from 1.3 million sf of retails space to a civic center, or hotel or 920,000 sf of office space.

Lead Agency Contact

Name	Eric Norris		
Agency	City of Eastvale		
Phone	951 703 4460	*Fax*	
email			
Address	12363 Limonite Avenue, Suite 910		
City	Eastvale	*State* CA	*Zip* 91752

Project Location

County	Riverside			
City	Eastvale			
Region				
Cross Streets	Northwest of the intersection of Limonite Avenue and Hammer Avenue			
Lat / Long				
Parcel No.	Various			
Township		*Range*	*Section*	*Base*

Proximity to:

Highways	I-15
Airports	
Railways	
Waterways	Santa Ana River is approx. two miles to the southeast
Schools	Various
Land Use	Z: Heavy Agriculture (A-2); LUD: Medium Density Residential, High Density Residential, and Business Park

Project Issues	Aesthetic/Visual; Air Quality; Archaeologic-Historic; Drainage/Absorption; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wildlife; Growth Inducing; Landuse; Cumulative Effects
Reviewing Agencies	Resources Agency; Department of Conservation; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Department of Fish and Wildlife, Region 6; Native American Heritage Commission; California Highway Patrol; Caltrans, District 8; Air Resources Board; Regional Water Quality Control Board, Region 8

Date Received	03/06/2015	*Start of Review*	03/06/2015	*End of Review*	04/06/2015

Note: Blanks in data fields result from insufficient information provided by lead agency.

City of Eastvale

2015031028

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, PO Box 3044, Sacramento, CA 95812-3044
(916) 445-0613 state.clearinghouse@opr.ca.gov

SCH # _____

PROJECT TITLE
Leal Master Plan (Planning Application No. 14-0009) Environmental Impact Report (EIR)

LEAD AGENCY		CONTACT PERSON
City of Eastvale		Eric Norris, Planning Director
STREET ADDRESS		PHONE
12363 Limonite Avenue, Suite 910		(951) 703-4460
CITY	ZIP CODE	COUNTY
Eastvale	91752	Riverside

PROJECT LOCATION

COUNTY		CITY/NEAREST COMMUNITY	
Riverside		City of Eastvale	
CROSS STREETS		ZIP CODE	TOTAL ACRES
Northwest of the intersection of Limonite Avenue and Hamner Avenue		91752	160
ASSESSOR'S PARCEL NUMBER	SECTION	TOWNSHIP	RANGE
APNs: 164-030-010, 164-030-012, 164-030-013, 164-030-014, 164-030-024, 164-030-025			

WITHIN 2 MILES.

STATE HIGHWAY NUMBER
Interstate 15

AIRPORTS
None within two miles.

SCHOOLS
Tutor Time (immediately east of project across Hamner Ave.)
Child Day Care Center (immediately south of project across Limonite Avenue.)
Loves Family Day Care (approx. one half mile to southwest)
Rosa Parks Elementary (approx. two miles to the southwest)
Harada Elementary (approx. a half mile to the south)
ICON Performing Arts Academy (approx one mile to the south)
Eastvale Elementary (approx. two miles to the south)
River Heights Intermediate (approx. two miles to the south)
Eleanor Roosevelt High School (approx. two miles to the south)
Louis Vendermolen Fundamental Elementary (approx. two miles to the southeast)
Calvary Christian Academy (approx. one mile to the northeast)
Sky Country Elementary (approx one mile to the northeast)
Kingston Academy (approx. two miles to the east)
Jurupa Valley High School (approx. two miles to northeast)
Munoz Family Day Care (approx. two miles to northeast)
Kiddie Kollege (approx. two miles to northeast)
Troth Street Elementary (approx. two miles to the east)
Colony High School (approx. two miles to the north)
Ramirez Intermediate (approx. two miles to the southwest)
Clara Barton Elementary (approx. two miles to the southwest)

RECEIVED
MAR 06 2015
STATE CLEARING HOUSE

RAILWAYS
The closest railway is the Metrolink approx. 3 or 4 miles northeast

WATERWAYS
Santa Ana River is approx. two miles to the southeast.

DOCUMENT TYPE

CEQA	NEPA	OTHER
☒ NOP	☐ NOI	☐ Joint Document
☐ Early Cons	☐ EA	☐ Final Document
☐ Neg Dec	☐ Draft EIS	☐ Other ____
☐ Draft EIR	☐ FONSI	
☐ Supplement/Subsequent EIR (Prior SCH No.) ____		
☐ Other		

LOCAL ACTION TYPE

☐ General Plan Update	☐ Specific Plan Amendment	☒ Rezone	☐ Annexation
☒ General Plan Amendment	☒ Master Plan	☐ Prezone	☐ Redevelopment
☐ General Plan Element	☐ Planned Unit Development	☐ Use Permit	☐ Coastal Permit
☐ Community Plan	☐ Site Plan	☐ Land Division (Subdivision, etc.)	☐ Other

DEVELOPMENT TYPE

☒ Residential	Units	Acres		☐ Transportation	Type ____
☒ Office	Sq. ft ____	Acres	Employees ____	☐ Mining	Mineral ____
☒ Shopping/Commercial	Sq. ft.	Acres	Employees ____	☐ Waste Treatment	Type ____
☐ Industrial	Sq. ft. ____	Acres ____	Employees ____	☐ Hazardous Waste	Type ____
☐ Educational	Sq. ft. ____				
☒ Other - Civic	Sq. ft. ____				
☒ Recreational				☐ Water Facilities	Type ____ MGD ____
				☐ Power	Type ____ Watts ____

FUNDING

Federal $ _____ State $ _____ Total $ _____

PROJECT ISSUES DISCUSSED IN DOCUMENT

☒ Aesthetic/Visual	☐ Flood Plain/Flooding	☒ Schools/Universities	☒ Water Supply
☐ Agricultural Land	☐ Forest Land/Fire Hazard	☐ Septic Systems	☐ Wetland/Riparian
☒ Air Quality	☐ Geological/Seismic	☒ Soil Erosion/Compaction/Grading	☒ Wildlife
☒ Archaeological/Historical	☐ Minerals	☒ Solid Waste	☒ Growth Inducing
☐ Coastal Zone	☒ Noise	☒ Toxic/Hazardous	☒ Land Use
☒ Drainage/Absorption	☒ Population/Housing Balance	☒ Traffic/Circulation	☒ Cumulative Effects
☐ Economic/Jobs	☒ Public Services/Facilities	☒ Vegetation	☐ Other ____
☐ Fiscal	☒ Recreation/Parks	☒ Water Quality	

NOP Distribution List

cumx

County: Riverside

SCH# 2015031028

esources Agency

- [■] **Resources Agency**
  Nadell Gayou
- [ ] **Dept. of Boating & Waterways**
  Nicole Wong
- [ ] **California Coastal Commission**
  Elizabeth A. Fuchs
- [ ] **Colorado River Board**
  Lisa Johansen
- [ ] **Dept. of Conservation**
  Elizabeth Carpenter
- [ ] **California Energy Commission**
  Eric Knight
- [ ] **Cal Fire**
  Dan Foster
- [ ] **Central Valley Flood Protection Board**
  James Herota
- [ ] **Office of Historic Preservation**
  Ron Parsons
- [■] **Dept of Parks & Recreation**
  Environmental Stewardship Section
- [ ] **California Department of Resources, Recycling & Recovery**
  Sue O'Leary
- [ ] **S.F. Bay Conservation & Dev't. Comm.**
  Steve McAdam
- [ ] **Dept. of Water Resources**
  Resources Agency
  Nadell Gayou

Fish and Game

- [ ] **Depart. of Fish & Wildlife**
  Scott Flint
  Environmental Services Division
- [ ] **Fish & Wildlife Region 1**
  Donald Koch
- [ ] **Fish & Wildlife Region 1E**
  Laurie Harnsberger
- [ ] **Fish & Wildlife Region 2**
  Jeff Drongesen
- [ ] **Fish & Wildlife Region 3**
  Charles Armor
- [ ] **Fish & Wildlife Region 4**
  Julie Vance
- [ ] **Fish & Wildlife Region 5**
  Leslie Newton-Reed
  Habitat Conservation Program
- [ ] **Fish & Wildlife Region 6**
  Tiffany Ellis
  Habitat Conservation Program
- [ ] **Fish & Wildlife Region 6 I/M**
  Heidi Sickler
  Inyo/Mono, Habitat Conservation Program
- [ ] **Dept. of Fish & Wildlife M**
  George Isaac
  Marine Region

Other Departments

- [ ] **Food & Agriculture**
  Sandra Schubert
  Dept. of Food and Agriculture
- [ ] **Depart. of General Services**
  Public School Construction
- [ ] **Dept. of General Services**
  Anna Garbeff
  Environmental Services Section
- [ ] **Delta Stewardship Council**
  Kevan Samsam
- [ ] **Housing & Comm. Dev.**
  CEQA Coordinator
  Housing Policy Division

Independent Commissions,Boards

- [ ] **Delta Protection Commission**
  Michael Machado
- [ ] **OES (Office of Emergency Services)**
  Dennis Castrillo
- [■] **Native American Heritage Comm.**
  Debbie Treadway
- [ ] **Public Utilities Commission**
  Leo Wong
- [ ] **Santa Monica Bay Restoration**
  Guangyu Wang
- [ ] **State Lands Commission**
  Jennifer Deleong
- [ ] **Tahoe Regional Planning Agency (TRPA)**
  Cherry Jacques

Cal State Transportation Agency CalSTA

- [ ] **Caltrans - Division of Aeronautics**
  Philip Crimmins
- [ ] **Caltrans – Planning**
  HQ LD-IGR
  Terri Pencovic
- [ ] **California Highway Patrol**
  Suzann Ikeuchi
  Office of Special Projects

Dept. of Transportation

- [ ] **Caltrans, District 1**
  Rex Jackman
- [ ] **Caltrans, District 2**
  Marcelino Gonzalez
- [ ] **Caltrans, District 3**
  Eric Federicks – South
  Susan Zanchi - North
- [ ] **Caltrans, District 4**
  Erik Alm
- [ ] **Caltrans, District 5**
  Larry Newland
- [ ] **Caltrans, District 6**
  Michael Navarro
- [ ] **Caltrans, District 7**
  Dianna Watson
- [■] **Caltrans, District 8**
  Mark Roberts
- [ ] **Caltrans, District 9**
  Gayle Rosander
- [ ] **Caltrans, District 10**
  Tom Dumas
- [ ] **Caltrans, District 11**
  Jacob Armstrong
- [ ] **Caltrans, District 12**
  Maureen El Harake

Cal EPA

Air Resources Board

- [■] **All Other Projects**
  Cathi Slaminski
  - [ ] **Transportation Projects**
    Nesamani Kalandiyur
  - [ ] **Industrial/Energy Projects**
    Mike Tollstrup
- [ ] **State Water Resources Control Board**
  Regional Programs Unit
  Division of Financial Assistance
- [ ] **State Water Resources Control Board**
  Jeffery Werth
  Division of Drinking Water
- [ ] **State Water Resources Control Board**
  Student Intern, 401 Water Quality Certification Unit
  Division of Water Quality
- [ ] **State Water Resouces Control Board**
  Phil Crader
  Division of Water Rights
- [ ] **Dept. of Toxic Substances Control**
  CEQA Tracking Center
- [ ] **Department of Pesticide Regulation**
  CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

- [ ] **RWQCB 1**
  Cathleen Hudson
  North Coast Region (1)
- [ ] **RWQCB 2**
  Environmental Document Coordinator
  San Francisco Bay Region (2)
- [ ] **RWQCB 3**
  Central Coast Region (3)
- [ ] **RWQCB 4**
  Teresa Rodgers
  Los Angeles Region (4)
- [ ] **RWQCB 5S**
  Central Valley Region (5)
  - [ ] **RWQCB 5F**
    Central Valley Region (5)
    Fresno Branch Office
  - [ ] **RWQCB 5R**
    Central Valley Region (5)
    Redding Branch Office
- [ ] **RWQCB 6**
  Lahontan Region (6)
  - [ ] **RWQCB 6V**
    Lahontan Region (6)
    Victorville Branch Office
- [ ] **RWQCB 7**
  Colorado River Basin Region (7)
- [■] **RWQCB 8**
  Santa Ana Region (8)
- [ ] **RWQCB 9**
  San Diego Region (9)

- [ ] **Other** _____
- [ ] _____
  Conservancy

Last Updated 10/13/2014

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

March 13, 2015

Eric Norris, Planning Director
City of Eastvale
Planning/Engineering/Building Department
12363 Limonite Avenue, Suite 910
Eastvale, CA 91752

Notice of Preparation of a CEQA Document for the Leal Master Plan

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

Air Quality Analysis

The SCAQMD adopted its California Environmental Quality Act (CEQA) Air Quality Handbook in 1993 to assist other public agencies with the preparation of air quality analyses. The SCAQMD recommends that the Lead Agency use this Handbook as guidance when preparing its air quality analysis. Copies of the Handbook are available from the SCAQMD's Subscription Services Department by calling (909) 396-3720. More recent guidance developed since this Handbook was published is also available on SCAQMD's website here: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993). SCAQMD 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.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the project and all air pollutant sources related to the 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, that is, sources that generate or attract vehicular trips should be included in the analysis.

The SCAQMD has also developed both regional and localized significance thresholds. The SCAQMD staff requests that the lead agency quantify criteria pollutant emissions and compare the results to the recommended regional significance thresholds found here: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2. In addition to analyzing regional air quality impacts, the SCAQMD staff recommends calculating localized air quality impacts and comparing the results to localized significance thresholds (LSTs). LST's 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 the SCAQMD 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.

In the event that the proposed project generates or attracts vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the lead agency perform a mobile source health risk assessment. Guidance for performing a mobile source health risk assessment ("*Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*") can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis. An analysis of all toxic air contaminant impacts due to the use of equipment potentially generating such air pollutants should also be included.

In addition, guidance on siting incompatible land uses (such as placing homes near freeways) can be found in the California Air Resources Board's *Air Quality and Land Use Handbook: A Community Perspective*, which can be found at the following internet address: http://www.arb.ca.gov/ch/handbook.pdf. CARB's Land Use Handbook is a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process.

Mitigation Measures

In the event that the 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 or eliminate these impacts. Pursuant to state CEQA Guidelines §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 possible mitigation measures for the project, including:

- Chapter 11 of the SCAQMD *CEQA Air Quality Handbook*
- SCAQMD's CEQA web pages at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies.
- 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.
- SCAQMD's Rule 403 – Fugitive Dust, and the Implementation Handbook for controlling construction-related emissions
- Other measures to reduce air quality impacts from land use projects can be found in the SCAQMD's Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. This document can be found at the following internet address: http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf?sfvrsn=4.

Data Sources

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

The SCAQMD staff is available to work with the Lead Agency to ensure that project emissions are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at Jwong1@aqmd.gov or call me at (909) 396-3176.

Sincerely,

Jillian Wong

Jillian Wong, Ph.D.
Program Supervisor
Planning, Rule Development & Area Sources

SBC150310-13
Control Number

State of California - Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Inland Deserts Region
3602 Inland Empire Blvd., Suite C-220
Ontario, CA 91764
(909) 484-0459
www.wildlife.ca.gov

EDMUND G. BROWN, Jr., Governor
CHARLTON H. BONHAM, Director

April 02, 2015

Mr. Eric Norris
City of Eastvale
12363 Limonite Avenue, Suite 910
Eastvale, CA 91752

Subject: Notice of Preparation for the Leal Master Plan Project
Draft Environmental Impact Report
State Clearinghouse No. 2015031028

Dear Mr. Norris:

The Department of Fish and Wildlife (Department) appreciates the opportunity to comment on the Notice of Preparation (NOP) for the Leal Master Plan Project (Project) [State Clearinghouse No. 2015031028. The Department is responding to the NOP as a Trustee Agency for fish and wildlife resources (California Fish and Game Code Sections 711.7 and 1802, and the California Environmental Quality Act [CEQA] Guidelines Section 15386), and as a Responsible Agency regarding any discretionary actions (CEQA Guidelines Section 15381), such as the issuance of a Lake or Streambed Alteration Agreement (California Fish and Game Code Sections 1600 *et seq.*) and/or a California Endangered Species Act (CESA) Permit for Incidental Take of Endangered, Threatened, and/or Candidate species (California Fish and Game Code Sections 2080 and 2080.1).

Project Description

The Project is located within the northwestern section of the City of Eastvale, Riverside County, California; bounded by 58th Street in the north, Hamner Avenue to the east, Limonite Avenue to the South, and Cleveland Avenue to the west. The City of Eastvale proposes to adopt the Leal Master Plan, which would allow development of the approximately 160-acre Project site. Proposed land use types include a Lifestyle Center, General Commercial, Commercial Office, Hotel, Civic Center, Residential Medium Density, Residential High Density, and Other Community Features. The Master Plan does not include a map specifying the location of intended uses, but rather includes a table of land uses that can occur at any location on the Project site. Subsequent development applications will establish the precise location of land uses within the proposed Project area.

Biological Resources and Impacts

The CEQA document should contain sufficient, specific, and current biological information on the existing habitat and species at the Project site; measures to minimize and avoid sensitive biological resources; and mitigation measures to offset the loss of native flora and fauna and State waters. The CEQA document should not defer impact analysis and mitigation measures to future regulatory discretionary actions, such as a Lake or Streambed Alteration Agreement.

If state or federal endangered or threatened species have the potential to occur on the Project site, species specific surveys should be conducted using methods approved by the Department or assume the presence of the species throughout the project site. The CEQA document should include recent survey data (CEQA Guidelines Section 15125(a)). The CEQA document should also address species of special concern and federal critical habitat. To assist with review, an accompanying map showing the areas of impact should be included in the subsequent CEQA document. Additional maps detailing the location of endangered, threatened, or species of special concern should also be included in the subsequent CEQA document.

Natural Community Conservation Program (NCCP) and California Endangered Species Act (CESA)

The Department is responsible for ensuring appropriate conservation of fish and wildlife resources including threatened, endangered, and/or candidate plant and animal species, pursuant to the CESA, and administers the Natural Community Conservation Plan Program (NCCP Program). Within the Inland Deserts Region, the Department issued Natural Community Conservation Plan Approval and Take Authorization for the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) per Section 2800, *et seq.*, of the California Fish and Game Code on June 22, 2004. The MSHCP establishes a multiple species conservation program to minimize and mitigate habitat loss and provides for the incidental take of covered species in association with activities covered under the permit.

Compliance with approved habitat plans, such as the MSHCP, is discussed in CEQA. Specifically, Section 15125(d) of the CEQA Guidelines requires that the CEQA document discuss any inconsistencies between a proposed Project and applicable general plans and regional plans, including habitat conservation plans and natural community conservation plans. An assessment of the impacts to the MSHCP as a result of this Project is necessary to address CEQA requirements. To obtain additional information regarding the MSHCP please go to: http://rctlma.org/epd/WR-MSHCP.

The proposed Project occurs within the MSHCP area and is subject to the provisions and policies of the MSHCP. In order to be considered a covered activity, Permittees must demonstrate that proposed actions are consistent with the MSHCP and its associated Implementing Agreement. The City of Eastvale is the Lead Agency and is

signatory to the Implementing Agreement of the MSHCP. The Project is located in the Eastvale Plan Area of the MSHCP.

Lake and Streambed Alteration Program

For any activity that will divert or obstruct the natural flow, or change the bed, channel, or bank (which may include associated riparian resources) of a river or stream or use material from a streambed, the project applicant (or "entity") must provide written notification to the Department pursuant to Section 1602 of the Fish and Game Code. Based on this notification and other information, the Department then determines whether a Lake and Streambed Alteration (LSA) Agreement is required. The Department's issuance of an LSA Agreement is a "project" subject to CEQA (see Pub. Resources Code 21065). To facilitate issuance of an LSA Agreement, if necessary, the environmental document should fully identify the potential impacts to the lake, stream or riparian resources and provide adequate avoidance, mitigation, and monitoring and reporting commitments. Early consultation with the Department is recommended, since modification of the proposed project may be required to avoid or reduce impacts to fish and wildlife resources. To obtain a Lake or Streambed Alteration notification package, please go to http://www.dfg.ca.gov/habcon/1600/forms.html.

The Department's website has information regarding dryland streams in "A review of Stream Processes and Forms in Dryland Watersheds," available at this location: http://www.dfq.ca. gov/habcon/1600/1600resources.html.

Additional information can also be found in "Methods to Describe and Delineate Episodic Stream Processes on Arid Landscapes for Permitting Utility-Scale Solar Power Plants, With the MESA Field Guide - Final Project Report" available here: http://www.energy.ca.gov/2014publications/CEC-500-2014-013/index.html

Although the proposed Project is within the MSHCP, a Notification of Lake or Streambed Alteration may be required by the Department, should the site contain areas subject to Fish and Game Code section 1600 *et seq.* jurisdiction, and the Project proposes impacts to these areas. Additionally, the Department's criteria for determining the presence of areas subject to Fish and Game Code section 1600 *et seq.* jurisdiction is more comprehensive than the MSHCP criteria in Section 6.1.2 (Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools).

The following information will be required for the processing of a Notification of Lake or Streambed Alteration and the Department recommends incorporating this information into the CEQA document to avoid subsequent documentation and project delays. Please note that failure to include this analysis in the project's environmental document could preclude the Department from relying on the Lead Agency's analysis to issue an LSA Agreement without the Department first conducting its own, separate Lead Agency subsequent or supplemental analysis for the project:

1) Delineation of lakes, streams, and associated habitat that will be temporarily and/or permanently impacted by the proposed project (include an estimate of impact to each habitat type);
2) Discussion of avoidance and minimization measures to reduce project impacts; and,
3) Discussion of potential mitigation measures required to reduce the project impacts to a level of insignificance. Please refer to section 15370 of the CEQA Guidelines for the definition of mitigation.

Cumulative Impacts

The Project is proposed in a densely populated region of southern California. The regional scarcity of biological resources may increase the cumulative significance of Project activities. Cumulative effects analysis should be developed as described under CEQA Guidelines Section 15130. Please include all potential direct and indirect project related impacts to riparian areas, wetlands, vernal pools, alluvial fan habitats, wildlife corridors or wildlife movement areas, aquatic habitats, sensitive species and other sensitive habitats, open lands, open space, and adjacent natural habitats in the cumulative effects analysis.

Alternatives Analysis

The CEQA document should analyze a range of fully considered and evaluated alternatives to the Project (CEQA Guidelines Section 15126.6). The analysis should include a range of alternatives which avoid or otherwise minimize impacts to sensitive biological resources. The Department considers Rare Natural Communities as threatened habitats, having both local and regional significance. Thus, these communities should be fully avoided and otherwise protected from Project-related impacts. The CEQA document should include an evaluation of specific alternative locations with lower resource sensitivity where appropriate. Off-site compensation for unavoidable impacts through acquisition and protection of high-quality habitat should be addressed.

Please note that the Department generally does not support the use of relocation, salvage, and/or transplantation as mitigation for impacts to rare, threatened, or endangered species. Department studies have shown that these efforts are experimental in nature and largely unsuccessful.

Department Recommendations

The Department has the following concerns about the Project, and requests that these concerns be addressed in the CEQA document:

1. The CEQA document should quantify impacts to habitats and species as per the informational requirements of CEQA. An accompanying map showing the areas of impact should also be included.

2. The CEQA document should include *recent* biological surveys for fauna and flora (CEQA Guidelines Section 15125(a)). The Department recommends that the Lead Agency contact the Department's California Natural Diversity Database (CNDDB) in Sacramento, (916) 327-5960, to obtain current information on any previously reported sensitive species and habitat, including Significant Natural Areas identified under Chapter 12 of the California Fish and Game Code. Please note that the Department's CNDDB is not exhaustive in terms of the data it houses, nor is it an absence database. The Department recommends that it be used as a starting point in gathering information about the *potential presence* of species within the general area of the project site. If state or federal threatened or endangered species may occur within the project area, species specific surveys, conducted at the appropriate time of year and time of day, should be included with the CEQA document. Acceptable species specific surveys have been developed by the Department, and by the U.S. Fish and Wildlife Service, and are accessible through each agencies websites. Assessments for rare plants and rare plant natural communities should follow the Department's 2009 Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities. If the Department's 2009 guidelines were not used, surveys conducted after the issuance of the 2009 guidance should be updated following the 2009 guidelines. The guidance document is available here: http://www.dfg.ca.gov/biogeodata/cnddb/pdfs/protocols_for_surveying_and_evaluating_impacts.pdf

3. The CEQA document should provide an analysis of habitat conservation plans and natural community conservation plans, including the MSHCP. The CEQA document should include a discussion of how the project will affect reserve assembly; how the Project will affect the goals and objectives of the NCCP; the applicable policies and procedures that pertain to the Project; a discussion of survey requirements; and a list of proposed mitigation measures pursuant to the NCCP. A copy of any documents discussing the Project's consistency with the NCCP (e.g., Determination of Biologically Equivalent or Superior Preservation) should be included with the CEQA document.

4. The analysis in the CEQA document should satisfy the requirements of the Department's Lake and Streambed Alteration Program and CESA (if deemed necessary).

5. The CEQA document should provide a thorough analysis of direct, indirect, and cumulative impacts and identify specific measures to offset such impacts.

6. The CEQA document should analyze a range of fully considered and evaluated alternatives to the Project (CEQA Guidelines Section 15126.6).

In summary, the Department requests that the CEQA document include current information regarding biological resources, adequately address whether the project will be processed through the MSHCP, provide a thorough analysis of cumulative impacts, and provide an alternatives analysis. If you should have any questions pertaining to these comments, please contact Gabriele Quillman at (909) 980-3818.

Sincerely,

(for) Leslie MacNair
Acting Regional Manager

cc: State Clearinghouse, Sacramento

May 21, 2015

Attn: Eric Norris, Planning Director
City of Eastvale
12363 Limonite Avenue, Suite 910
Eastvale, CA 91752

SOBOBA BAND OF LUISEÑO INDIANS
EST. JUNE 19, 1883

Re: Leal Master Plan

The Soboba Band of Luiseño Indians appreciates your observance of Tribal Cultural Resources and their preservation in your project. The information provided to us on said project has been assessed through our Cultural Resource Department, where it was concluded that although it is outside the existing reservation, the project area does fall within the bounds of our Tribal Traditional Use Areas. It is in proximity to other known sites and is a shared use area that was used in ongoing trade between the various tribal bands, not considered as a location occupied by one existing band. For these reasons the site is regarded as sensitive to the people of Soboba.

Soboba Band of Luiseño Indians is requesting the following:

1. To initiate a consultation with the Project Developer and Land owner.
2. The transfer of information to the Soboba Band of Luiseno Indians regarding the progress of this project should be done as soon as new developments occur.
3. Soboba Band of Luiseño Indians continues to act as a consulting tribal entity for this project.
4. Working in and around traditional use areas intensifies the possibility of encountering cultural resources during the construction/excavation phase. For this reason the Soboba Band of Luiseño Indians requests that a Native American monitoring component be included as a mitigation measure in the Environmental Impact Report. The Tribe is requesting that a Treatment and Dispositions Agreement between the developer and The Soboba Band be provided to the City of Eastvale prior to the issuance of a grading permit and before conducting any additional archaeological fieldwork.
5. Request that proper procedures be taken and requests of the tribe be honored (Please see the attachment)

The Soboba Band of Luiseno Indians is requesting a face-to-face meeting between the City of Eastvale and the Soboba Cultural Resource Department. Please contact me at your earliest convenience either by email or phone in order to make arrangements.

Sincerely,

Joseph Ontiveros
Soboba Cultural Resource Department
P.O. Box 487
San Jacinto, CA 92581
Phone (951) 654-5544 ext. 4137
Cell (951) 663-5279
jontiveros@soboba-nsn.gov

Cultural Items (Artifacts). Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer should agree to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. When appropriate and agreed upon in advance, the Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.

The Developer should waive any and all claims to ownership of Native American ceremonial and cultural artifacts that may be found on the Project site. Upon completion of authorized and mandatory archeological analysis, the Developer should return said artifacts to the Soboba Band within a reasonable time period agreed to by the Parties and not to exceed (30) days from the initial recovery of the items.

Treatment and Disposition of Remains.

A. The Soboba Band shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and grave goods shall be treated and disposed of with appropriate dignity.

B. The Soboba Band, as MLD, shall complete its inspection within twenty-four (24) hours of receiving notification from either the Developer or the NAHC, as required by California Public Resources Code § 5097.98 (a). The Parties agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes.

C. Reburial of human remains shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The Soboba Band, as the MLD in consultation with the Developer, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains.

D. All parties are aware that the Soboba Band may wish to rebury the human remains and associated ceremonial and cultural items (artifacts) on or near, the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The Developer should accommodate on-site reburial in a location mutually agreed upon by the Parties.

E. The term "human remains" encompasses more than human bones because the Soboba Band's traditions periodically necessitated the ceremonial burning of human remains. Grave goods are those artifacts associated with any human remains. These items, and other funerary remnants and their ashes are to be treated in the same manner as human bone fragments or bones that remain intact.

Coordination with County Coroner's Office. The Lead Agencies and the Developer should immediately contact both the Coroner and the Soboba Band in the event that any human remains are discovered during implementation of the Project. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c).

Non-Disclosure of Location Reburials. It is understood by all parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, parties, and Lead Agencies, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code § 6254 (r).

Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer agrees to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. Where appropriate and agreed upon in advance, Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.

Appendix 3.2:
Traffic Impact Analysis

Leal Specific Plan

Prepared for:
Michael Baker International
And
The City of Eastvale

May 12, 2015

OC14-0341

FEHR PEERS

Table of Contents

Appendices

Appendix A: Data Count Sheets

List of Figures

List of Tables

1.0 SUMMARY OF IMPACTS AND MITIGATION MEASURES

The purpose of this report is to analyze the projected impact of traffic generated by the proposed Leal Specific Plan on the area surrounding the project site. This report will begin with a summary of impacts in the area due to the proposed project. Mitigation measures for these impacts will then be discussed. This information is presented first to provide decision makers with an up-front summary of the impacts and mitigation measures for the project.

The following chapters summarize the remaining components of this assessment, including the methodology used for the analysis in this project and a detailed description of the environmental setting.

TRANSPORTATION IMPACT ASSESSMENT

According to the California Environmental Quality Act (CEQA) guidelines, a project results in a significant impact from a transportation perspective if the project:

- Conflicts with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit
    - In the City of Eastvale, the performance standards that are identified in the City's General Plan and in this specific plan include:
        - Maintaining Level of Service (LOS) C on local roadways.
            - This specific plan does identify the need to modify the "acceptable" LOS threshold in the study area, particularly on Limonite Avenue, as it will operate at LOS F into the future
            - For Caltrans facilities, LOS C was identified as the minimum acceptable operating level per their guidelines, which state that the threshold between LOS C and LOS D should apply
- Conflicts with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways.
- Substantially increases hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)
- Results in inadequate emergency access

- Conflicts with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities

CEQA also requires the project to be evaluated for its impacts to the existing setting and the cumulative impacts of the project. As such, this transportation assessment evaluates the following scenarios from a transportation perspective:

1. Existing Conditions
2. Existing plus Project Conditions
3. Cumulative No Project Conditions
4. Cumulative plus Project Conditions

IMPACTS

The proposed project and the analysis results were compared to the significance criteria described above to identify project impacts. The results are summarized below.

a) Does the proposed project conflict with an applicable plan, ordinance or policy?

Determination: Significant impacts with mitigation measures

The proposed project is consistent with adopted plans and policies related to non-motorized travel in the area. In fact, the project includes facilities to support bicycles and pedestrians on site. Additionally, the land use plan allows for a mix of uses that will increase project trip internalization and potential land use densities on the project site will support transit use in the study area.

To evaluate motorized facilities, the significance criteria from applicable jurisdictions summarized above were applied to the analysis results to identify significant impacts. The results are summarized in Table 1-1.

All locations where significant project impacts occur are subject to mitigation, if feasible, which is described later in this chapter.

Existing Plus Project impacts are projected to be:

- Limonite Avenue: Between Harrison Avenue & Scholar Way - The addition of project traffic degrades traffic operations from LOS C to LOS D
- Limonite Avenue: Between Scholar Way & Hamner Avenue- The addition of project traffic degrades operations from LOS C to LOS F
- Limonite Avenue: Between Hamner Avenue & I-15 SB Ramp - The addition of project traffic degrades operations from LOS C to LOS F

Table 1-1

Roadway Level of Service

Roadway Segment	Lanes (Existing/ Cumulative)	Existing Conditions			Existing Plus Project Conditions			Cumulative Conditions			Cumulative Plus Project Conditions		
		Volume	V/C[1]	LOS	Volume	V/C[1]	LOS	Volume	V/C[1]	LOS	Volume	V/C[1]	LOS
1. Limonite Avenue: Archibald Avenue to Harrison Avenue	4 / 6	17,425	0.49	C	23,725	0.66	C	44,000	0.82	D	50,300	0.93	E
2. Limonite Avenue: Harrison Avenue to Scholar Way	4 / 6	24,674	0.69	C	30,974	0.86	D	50,780	0.94	E	57080	1.06	F
3. Limonite Avenue: Scholar Way to Hamner Avenue	4 / 6	27,836	0.78	C	59,336	1.65	F	48,960	0.91	E	80,460	1.49	F
4. Limonite Avenue: Hamner Avenue to I-15 Ramps	6	41,744	0.77	C	70,094	1.30	F	69,110	1.28	F	97,460	1.81	F
5. Limonite Avenue: I-15 Ramps to Wineville Avenue	4 / 6	31,893	0.89	D	38,193	1.06	F	65,010	1.21	F	71,310	1.32	F
6. Hamner Avenue: Citrus Street to Schleisman Road	4 / 6	19,424	0.54	C	25,724	0.72	C	25,400	0.47	C	31,700	0.59	C
7. Hamner Avenue: Schleisman Road to 68th Street	6	11,145	0.21	C	17,445	0.32	C	15,030	0.28	C	21,330	0.40	C
8. Hamner Avenue: 68th Street to Limonite Avenue	6	19,016	0.35	C	22,166	0.41	C	22,730	0.42	C	25,880	0.48	C
9. Hamner Avenue: Limonite Avenue to Bellgrave Avenue	4 / 6	14,742	0.41	C	43,092	1.20	F	31,890	0.59	C	60,240	1.12	F
10. Scholar Way: Limonite Avenue to 68th	2	4,627	0.36	C	7,777	0.60	C	6,860	0.53	C	10,010	0.77	C

Table 1-1

Roadway Level of Service

Roadway Segment	Lanes (Existing/ Cumulative)	Existing Conditions			Existing Plus Project Conditions			Cumulative Conditions			Cumulative Plus Project Conditions		
		Volume	V/C[1]	LOS	Volume	V/C[1]	LOS	Volume	V/C[1]	LOS	Volume	V/C[1]	LOS
11. I-15: South of Limonite Avenue	6	75,950	0.65	C	88,550	0.75	C	81,750	0.70	C	94,350	0.80	D
12. I-15: Limonite Avenue to Cantu-Galleano Ranch Road	6	78,515	0.67	C	87,965	0.75	C	81,340	0.69	C	90,790	0.77	C
13. I-15: North of SR-60	8	108,967	0.68	C	118,417	0.74	C	127,570	0.79	C	137,020	0.85	D
14. Cleveland Avenue: Bellgrave Avenue to Limonite Avenue	4	2,110	0.16	C	5,260	0.40	C	2,810	0.22	C	5,960	0.46	C
15. SR-60: West of I-15	10	65,073	0.32	C	74,523	0.37	C	78,910	0.39	C	88,360	0.44	C
16. SR-60: East of I-15	8	76,718	0.48	C	86,168	0.54	C	83,360	0.52	C	92,810	0.58	C
17. Cantu-Galleano Ranch Rd: I-15 Ramps to Hamner Avenue	4	12,335	0.34	C	18,635	0.52	C	23,980	0.67	C	30,280	0.84	D

Notes:

Shading indicates unacceptable operations.

1. Volume to capacity ratio (V/C) measures the actual volume of vehicles observed or counted on any street segment in relation to the throughput capacity of the facility. Any measure higher than about 0.80 indicates some level of congestion. The number can exceed 1.00, indicating an overloaded situation with stop and go traffic.
2. The proposed I-15 Toll Lanes are assumed but are not incorporated in this volume-to-capacity assessment (e.g. the assessment only evaluates the general purpose lanes).

Source: Fehr & Peers, 2015

- Limonite Avenue: Between NB I-15 Ramp & Wineville Avenue - The addition of project traffic degrades operations from LOS D to LOS F
- Hamner Avenue: Between Limonite Avenue & Bellgrave Avenue- The addition of project traffic degrades operations from LOS C to LOS F

Cumulative impacts are projected to be:

- Limonite Anenue: Between Archibald Avenue and Harrison Avenue – The addition of project traffic degrades operations from LOS D to LOS E
- Limonite Avenue: Between Harrison Avenue & Scholar Way – The addition of project traffic degrades operations from LOS E to LOS F
- Limonite Avenue: Between Scholar Way & Hamner Avenue – The addition of project traffic degrades operations from LOS E to LOS F
- Limonite Avenue: Between Hamner Avenue & I-15 SB Ramp – The project adds traffic to a segment already operating at LOS F
- Limonite Avenue: Between I-15 Northbound Ramps & Wineville Avenue – The project adds traffic to a segment already operating at LOS F
- Hamner Avenue: Between Limonite Avenue & Bellgrave Avenue- The addition of project traffic degrades operations from LOS C to LOS F
- I-15 South of Limonite – The addition of project traffic degrades operations from LOS C to LOS D
- Cantu-Galleano Ranch Road: Between I-15 Ramps & Hamner Avenue – The addition of project traffic degrades operations from LOS C to LOS D.

b) Would the project conflict with an applicable congestion management program (CMP), including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

Determination: Less than significant

The Riverside County CMP does not require any specific analysis methodology or analysis requirements be addressed in a transportation impact analysis for a development project. Therefore, Part B of the significance thresholds does not apply to analysis of the project.

c) Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

Determination: Less than significant

The project does not include any characteristics that would change air traffic in the study area nor is the site within an airport land use influence area. Therefore, the impacts of the project are considered less-than-significant.

d) Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Determination: Less than significant with mitigation

Given that specific tract maps have not been completed for the project, it is unknown whether project driveways and internal circulation would have specific design features that would potentially increase hazards in the study area. Given the potential that increased hazards could occur due to a design feature, this impact is considered potentially significant.

e) Would the project result in inadequate emergency access?

Determination: Less than significant with mitigation

The project includes a series of connectivity that will provide for servicing emergency personnel. However, since tentative tract maps have not been completed yet, not every development building could be assessed, nor could internal neighborhood roadways be reviewed to assess emergency accessibility. Therefore, this impact is considered ***potentially significant***.

f) Would the project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

Determination: Less than significant

The mixed use nature of the Specific Plan supports use of alternative modes of travel. As such, this impact is considered ***less-than-significant***.

MITIGATION MEASURES

For potentially significant impacts described above, the project is responsible for implementing feasible mitigation measures as described below.

Mitigation 1 – Improvements to Roadway Segments

Improvements to the roadway segments identified below would provide acceptable operations. Additionally, the project will be required to contribute its fair share funding for many regional impacts

through the County's Transportation Uniform Mitigation Fee (TUMF) program, which is the regional funding source for many facilities in Riverside County, and any local transportation fees.

Additionally, future development within the project shall be required to prepare a focused traffic study that will assess the following to ensure consistency with the assessment prepared for this project:

- Parking assessment
- Site access and on-site circulation assessment
- Interaction of driveways with adjacent intersections (if appropriate)
- Impact assessment of local intersections
- Impacts to pedestrian, transit, and bicycle facilities
- Trip generation monitoring study to ensure that, as land develops in the Leal specific plan area, the total development generates traffic at or below those assumed in this EIR

The locational improvements described below were developed to mitigate potentially significant impacts of the project at the study locations. Fehr & Peers also identified the amount of development that can occur from the project prior to triggering the identified impact. This is anticipated to assist the City in identifying levels of development that can occur prior to the impact occurring.

Existing plus Project Mitigation Measures

Limonite Avenue: Between Harrison Avenue & Scholar Way

The addition of project traffic degrades operations from LOS C to LOS D under Existing plus Project Conditions. To mitigate this impact, the roadway would need to be widened to six lanes. Since the regional TUMF program will widen this segment to six lanes, the project shall be responsible to pay its fair share of this improvement through the TUMF program. With this mitigation and implementation of the planned TUMF improvements, the impact would be mitigated to a ***less-than-significant level.***

Limonite Avenue: Between Scholar Way & Hamner Avenue

The addition of project traffic degrades operations from LOS C to LOS F under Existing plus Project Conditions. To mitigate this impact, the roadway would need to be widened to eight lanes. It should be noted that the project shall be responsible for a fair share payment toward the TUMF program, which is responsible for widening this facility to six lanes. However, widening beyond six lanes is inconsistent with the City's General Plan.

Given that the project identifies the need to widen this segment beyond six lanes, the City shall be responsible implementing the proposed general plan policy amendment to change the level of service threshold for acceptability from LOS C to LOS F on Limonite Avenue. With this policy change, although there will be congestion on this segment with the project, it would operate acceptably and the impact would be ***less-than-significant.***

Limonite Avenue: Between Hamner Avenue & I-15 Ramps

The addition of project traffic degrades operations from LOS C to LOS F under Existing plus Project Conditions. To mitigate this impact, the roadway would need to be widened beyond eight lanes which would be inconsistent with the City's General Plan.

Given that the roadway would need to be widened beyond six lanes, the City shall be responsible implementing the proposed general plan policy amendment to change the level of service threshold for acceptability from LOS C to LOS F on Limonite Avenue. With this policy change, although there will be congestion on this segment with the project, it would operate acceptably and the impact would be ***less-than-significant.***

Limonite Avenue: Between I-15 Ramps & Wineville Avenue

The addition of project traffic degrades operations from LOS D to LOS F under Existing plus Project Conditions. To mitigate this impact, the roadway would need to be widened to six lanes. The project shall be responsible to implement this improvement. It should be noted that this segment is a TUMF-designated facility; however, the TUMF program will only widen the roadway to its current cross-section. Additionally, this segment is outside the City of Eastvale and, as such, neither the City nor any developer can guarantee implementation of the mitigation measure. As such, this impact is considered ***significant-and-unavoidable.***

Hamner Avenue: Between Limonite Avenue & Bellgrave Avenue

The addition of project traffic degrades operations from LOS C to LOS F under Existing plus Project Conditions. To mitigate this impact, the roadway would need to be widened to six lanes. The project shall be responsible to implement this improvement. With implementation of the mitigation measure, the impact would be mitigated to a ***less-than-significant level.***

Cumulative plus Project Impacts

Limonite Avenue: Between Archibald Avenue & Harrison Avenue

The addition of project traffic degrades cumulative operations from LOS D to LOS E under Cumulative plus Project Conditions. To mitigate this impact, the roadway would need to be widened beyond six lanes. With this improvement, the roadway segment would operate at an acceptable level of service. However, this widening would be inconsistent with the City's General Plan roadway designation for this facility and the ultimate planned improvements through the regional TUMF program.

Given that the roadway would need to be widened beyond six lanes, the City shall be responsible implementing the proposed general plan policy amendment to change the level of service threshold for acceptability from LOS C to LOS F on Limonite Avenue. With this policy change, although there will be congestion on this segment with the project, it would operate acceptably and the impact would be ***less-than-significant.***

Limonite Avenue: Between Harrison Avenue & Scholar Way

The addition of project traffic degrades cumulative operations from LOS E to LOS F under Cumulative plus Project Conditions. To mitigate this impact, the roadway would need to be widened beyond six lanes. With this improvement, the roadway segment would operate at an acceptable level of service. However, this widening would be inconsistent with the City's General Plan roadway designation for this facility and the ultimate planned improvements through the regional TUMF program.

Given that the roadway would need to be widened beyond six lanes, the City shall be responsible implementing the proposed general plan policy amendment to change the level of service threshold for acceptability from LOS C to LOS F on Limonite Avenue. With this policy change, although there will be congestion on this segment with the project, it would operate acceptably and the impact would be ***less-than-significant.***

Limonite Avenue: Between Scholar Way & Hamner Avenue

The addition of project traffic degrades cumulative operations from LOS E to LOS F under Cumulative plus Project Conditions. To mitigate this impact, the roadway would need to be widened beyond six lanes. With this improvement, the roadway segment would operate at an acceptable level of service. However, this widening would be inconsistent with the City's General Plan roadway designation for this facility and the ultimate planned improvements through the regional TUMF program.

Given that the roadway would need to be widened beyond six lanes, the City shall be responsible implementing the proposed general plan policy amendment to change the level of service threshold for acceptability from LOS C to LOS F on Limonite Avenue. With this policy change, although there will be congestion on this segment with the project, it would operate acceptably and the impact would be ***less-than-significant.***

Limonite Avenue: Between Hamner Avenue & I-15

The project adds traffic to a segment already operating at LOS F under Cumulative plus Project Conditions. To mitigate this impact, the roadway would need to be widened beyond six lanes. However, this widening would be inconsistent with the City's General Plan roadway designation for this facility and the ultimate planned improvements through the regional TUMF program.

Given that the roadway would need to be widened beyond six lanes, the City shall be responsible implementing the proposed general plan policy amendment to change the level of service threshold for acceptability from LOS C to LOS F on Limonite Avenue. With this policy change, although there will be congestion on this segment with the project, it would operate acceptably and the impact would be ***less-than-significant.***

Limonite Avenue: Between I-15 Ramps & Wineville Avenue

The project adds traffic to a roadway segment already projected to operate at LOS F. To mitigate this impact, the roadway would need to be widened beyond six lanes and the project would be responsible to contribute a fair share payment through the TUMF program as it is a TUMF designated facility. It should be noted that the TUMF program will only widen the roadway to its current cross-section. Additionally,

this segment is outside the City of Eastvale and, as such, neither the City nor any developer can guarantee implementation of the mitigation measure. As such, this impact is considered ***significant-and-unavoidable.***

Hamner Avenue: Between Limonite Avenue & Bellgrave Avenue

The addition of project traffic degrades operations from LOS C to LOS F under Cumulative plus Project Conditions. To mitigate this impact, the roadway would need to be widened beyond the six lanes that are planned for in the City's General Plan. The project shall be responsible to for a fair share contribution toward this improvement.

Given that the roadway would need to be widened beyond six lanes (which would be inconsistent with the City's General Plan) the City shall be responsible implementing a proposed general plan policy amendment to change the level of service threshold for acceptability from LOS C to LOS F on this roadway segment. With this policy change, although there will be congestion on this segment with the project, it would operate acceptably and the impact would be ***less-than-significant.***

I-15: South of Limonite

The project is expected to degrade operations on this roadway segment from LOS C to LOS D. To mitigate this impact, the project would be responsible for a fair share contribution toward additional freeway capacity beyond that already planned for along the segment. Additionally, this segment is outside the City of Eastvale and, as such, neither the City nor any developer can guarantee implementation of the mitigation measure. As such, this impact is considered ***significant-and-unavoidable.***

I-15: North of SR-60

The project is expected to degrade operations on this roadway segment from LOS C to LOS D. To mitigate this impact, the project would be responsible for a fair share contribution toward additional freeway capacity beyond that already planned for along the segment. Additionally, this segment is outside the City of Eastvale and, as such, neither the City nor any developer can guarantee implementation of the mitigation measure. As such, this impact is considered ***significant-and-unavoidable.***

Cantu-Galleano Ranch Road: Between the I-15 Ramps & Hamner Avenue

The project is expected to degrade operations on this roadway segment from LOS C to LOS D. To mitigate this impact, the project would be responsible for a fair share contribution toward widening this segment from four lanes to six lanes through the City's development impact fee program. With this improvement, the impacts would be mitigated and the impact would be less-than-significant.

Transportation Impact 2 - Potential Increase in Hazards Due to a Design Feature

The following policy/mitigation measure shall be added to the Leal specific plan to address the impact identified above:

All future improvements in the Leal area shall be consistent with design standards set forth by the City or Leal Specific Plan. All designs, including site access points, shall be reviewed to determine that designs are consistent with appropriate design standards. Implementation of this policy/mitigation measure will reduce this impact to a ***less-than-significant*** level and no further mitigation is required.

Transportation Impact 3 - Potential Inadequate Emergency Access

The following policy/mitigation measure shall be added to the leal specific plan to address the impact identified above:

- All proposed development in the Leal area shall be reviewed by appropriate emergency services personnel to ensure adequate emergency access is provided. Implementation of this policy/mitigation measure will reduce this impact to a ***less-than-significant*** level and no further mitigation is required.

2.0 METHODOLOGY

This section of the report describes the methodologies used to complete this programmatic assessment.

TRAFFIC OPERATIONS

The analysis methodology used to analyze roadway segments is described below. The operations of roadway facilities are described with the term *level of service*. Level of service (LOS) is a qualitative description of traffic flow from the perspective of motorists based on factors such as speed, travel time, delay, freedom to maneuver, traffic volume, and the capacity of the roadway. Six levels are defined from LOS A, as the least congested operating conditions, to LOS F, or the most congested operating conditions. LOS E represents "at-capacity" operations. When volumes exceed capacity, stop-and-go conditions result and operations are designated as LOS F.

Roadway segments were analyzed by comparing the average daily traffic (ADT) volume to daily volume thresholds. Table 2-1, Roadway Segment Daily Volume Thresholds**,** displays the daily volume thresholds for various facility types. These thresholds are used as guidelines to identify the need for new or upgraded facilities.

TABLE 2-1

ROADWAY SEGMENT DAILY VOLUME THRESHOLDS[1]

Facility Type	Max Two-Way Traffic Volume		
	LOS C	LOS D	LOS E
Secondary Collector	10,400	11,700	13,000
Urban Arterial (4 Lanes)	28,700	32,300	35,900
Urban Arterial (6 Lanes)	43,100	48,500	53,900
Freeway (6 Lanes)	9,4000	105,800	117,500
Freeway (8 Lanes)	128,400	144,500	160,500
Freeway (10 Lanes)	160,500	180,500	200,600

Notes:

1. All volume thresholds are approximate and assume ideal roadway characteristics. Actual thresholds for each LOS listed above may vary depending on a variety of factors including (but not limited to) roadway curvature and grade, intersection or interchange spacing, driveway spacing, percentage of trucks and other heavy vehicles, lane widths, signal timing, on-street parking, volume of cross traffic and pedestrians, etc.

Source: Highway Capacity Manual, Transportation Research Board, 2000. & City of Eastvale General Plan

TRIP GENERATION AND INTERNALIZATION

This study utilized the 9th Edition of the Institute *of Transportation Engineers* (ITE) Trip Generation rates to determine daily trips generated by the proposed land use. Internalization rates were determined based on Mixed Use Development trip generation methodology (MXD). This methodology evaluates numerous components of a project and identifies the projects' potential to internalize traffic. The MXD model's methodology was developed based on 239 mixed-use sites across the United States, including sites in San Diego and Sacramento. Because of this the MXD model provides the most statistically valid and reliable way to estimate trip internalization for mixed-use development.

Because the specific plan allows for a range of development potential, a "worst case" assumption was made for the specific plan land uses. Our assumptions are summarized below:

- 660 multi-family homes (apartments)
- 1,525,000 sq. ft. of general retail (shopping center)
- 460,000 sq. ft. of general office
- 460,000 sq. ft. of medical office
- 450 hotel rooms
- 100,000 sq. ft. civic center

Utilizing the ITE trip generation and MXD trip internalization estimates, the project is expected to result in the following trip generation:

- 69,900 Gross Daily Trips
- 10% Trip Internalization (e.g. trips that stay within the specific plan area based on the land use information provided above (plus the project's proximity to transit, assumed intersection density, and other factors that affect trip internalization)
- 63,000 Net Daily Trips after accounting for trip internalization

The project trips were distributed to the surrounding roadway system using existing travel patterns in the area and the locations of complementary land uses in the area. The trip distribution information is summarized below:

- Limonite Avenue between Archibald Avenue & Scholar Way will see 10% of the total project trips.
- Limonite Avenue between Scholar Way & Hamner Avenue will see 50% of the total project trips.
- Limonite Avenue between Hamner Avenue & Southbound I-15 Ramps will see 45% of the total project trips.

- Limonite Avenue between the Northbound I-15 Ramps & Wineville Avenue will see 10% of the total project trips.
- Hamner Avenue between Citrus Avenue and 68th Street will see 10% of the total project trips.
- Hamner Avenue between 68th Street & Limonite Avenue, as well as Scholar Way between 68th Street & Limonite Avenue will see 5% of the total project trips.
- Hamner Avenue between Limonite Avenue & Bellgrave Avenue will see 45% of the total project trips.
- Hamner Avenue north of SR-60 will see 5% of total project trips.
- Cleveland Avenue between 58th Street & Limonite Avenue will see 5% of the total project trips.
- I-15 south of Limonite Avenue will see 20% of the total project trips.
- I-15 between Limonite Avenue & Cantu-Galleano Ranch Road will see 15% of the total project trips.
- I-15 north of SR-60 will see 15% of the total project trips.
- Cantu-Galleano Ranch Road will see 10% of the total project trips.
- SR-60 west of I-15 will see 15% of the total project trips.
- SR-60 east of I-15 will see 15% of the total project trips.

TRAVEL DEMAND FORECASTING

The Riverside Traffic Analysis Model (RIVTAM) was used for developing cumulative forecasts in the study area. This model incorporates land use information and roadway network characteristics (roadway alignments, roadway capacities, speeds) to forecast existing and future volumes on area roadways in Riverside County. This model also accounts for projected growth and land use changes within the county allowing for a more accurate forecast of future conditions.

Before the model could be used for this study, the land use and socio-economic components of the model were modified. These modifications are refinements to the model, and are intended to enable the model to more accurately reflect the proposed land use in the Leal Specific Plan study area.

One modification that was made was an update to the socio-economic data within the model to incorporate approved and pending projects in the study area. The approved and pending projects were converted from square feet of development to numbers of employees using conversion factors from the County of Riverside General Plan and were incorporated into the travel demand model. The model was also modified to delete any assumed land use in the Leal specific plan area as that land use was manually added to the "no project" forecasts.

APPROVED/PENDING PROJECTS

The resulting RIVTAM model incorporates several large scale developments in the City of Eastvale. Major land use projects included in the forecasts are listed in Table 2-2 below.

TABLE 2-2

APPROVED/PENDING PROJECTS

Project Name	Location	Description	Year	Source
Estancia by Lennar Homes	Citrus Avenue. between Sumner Avenue & Scholar Way	197 Single Family Homes	2013	City of Eastvale
The Trails at Eastvale	Corner of Archibald Avenue . & 65th Street	224 Single Family Homes	2013	City of Eastvale
Copper Sky	Schleisman Road & Scholar Way	224 Condominium Units	2007	City of Eastvale
Cleveland Square	Scholar Way & Limonite Avenue	350 Condominium Units	2009	City of Eastvale
Eastvale Business Park	North of 65th Street, East of Cucamonga Creek & West of Archibald Avenue	694,770 SF Industrial, 33,600 SF Office, 10,600 SF Retail	2014	City of Eastvale
Eastvale San Antonio Medical Plaza	Eastvale Gateway South	69,562 SF Medical Buildings	2013	City of Eastvale
Arco Gas Station	SE Corner of Hamner Avenue & Riverside Dr.	5,670 SF Gas Station	2014	City of Eastvale
Marketplace at The Enclave	SW Corner of Archibald Avenue & Schleisman Rd	Additional Retail Space	2014	City of Eastvale
Eastvale Gateway I & II	NE Corner of Hamner Avenue & Limonite Avenue	6,000 SF Retail	2014	City of Eastvale
Eastvale Gateway South	SE Corner of Hamner Avenue & Limonite Avenue	11,000 SF Retail	2014	City of Eastvale

Source: City of Eastvale- Development Projects in The City of Eastvale

3.0 REGULATORY CONTEXT

Existing transportation policies, laws, and regulations that would apply to the proposed project are summarized below. This information provides a context for the input discussion related to the project's consistency with applicable regulatory conditions.

CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS)

Caltrans policies are applicable to I-15, and SR-60 are summarized in the Caltrans' *Guide for the Preparation of Traffic Impact* Studies (State of California Department of Transportation, December 2002). These guidelines identify when a traffic impact study is required, what should be included in the study, analysis scenarios, and guidance on acceptable analysis methodologies.

Caltrans endeavors to maintain a target service level of LOS C on State highway facilities. However, this may not always be feasible and it is recommended that the lead agency consult with Caltrans to determine the appropriate target LOS. For the purposes of this study, LOS C is considered the minimum acceptable operating level for Caltrans' controlled facilities (SR-60 roadway segments, I-15 roadway segments).

CITY OF EASTVALE GENERAL PLAN

The City of Eastvale provides the following policies regarding traffic and circulation issues such as LOS Standards, roadway funding, growth impacts, road standards, transit, and access:

- **Policy C-3:** The cumulative and indirect traffic impacts of development may be mitigated through the payment of impact mitigation fees.

- **Policy C-10:** Seek to maintain the following target levels of service: "C" along all City-maintained roads. A peak hour level of service of "D" may be allowed in commercial and employment areas, and at intersections of any combination of major highways, urban arterials, secondary highways, or freeway ramp intersections.

- **Policy C-11:** Alternative levels of service may be allowed on intersections in planned development or similar identified mixed-use areas that demonstrate links to transit, trails, and alternative transportation and comfortable walking distance to goods and services.

- **Policy C-13:** Construct and improve traffic signals at appropriate intersections. Traffic signals should be spaced and operated as part of coordinated systems to optimize traffic operation.

RIVERSIDE COUNTY CONGESTION MANAGEMENT PROGRAM

The Riverside County Congestion Management Program provides the following policies regarding LOS and Transportation Demand Management for SR-60, I-15, and Limonite Avenue:

- Minimum LOS threshold is LOS "E". Therefore when a CMP street or highway falls to "F" a deficiency plan is required.

It should be noted that the CMP does not require any specific assessment for development projects. As such, no specific analysis is required to show consistency with the CMP.

4.0 ENVIRONMENTAL SETTING

EXISTING TRANSPORTATION SYSTEM

The proposed Leal Specific Plan project is located in the City of Eastvale in the northeast portion of Riverside County. The site is located east of Cleveland Avenue, west of Hamner Avenue, and north of Limonite Avenue. The site is located approximately 0.5 miles west of Interstate 15 (I-15) which provides the major north-south regional access to the area.

Primary access to the project site is provided by Limonite Avenue, Hamner Avenue, and Cleveland Avenue.

The area surrounding the site is primarily residential. There is retail existing to the east and south of the project site. Automobiles are the primary mode of travel. Limited bus transit service and bicycle and pedestrian facilities exist in the immediate vicinity of the project site. The existing transportation facilities are described in detail below.

ROADWAY NETWORK

Regional access to the project site is provided by I-15 and State Route 60 (SR-60) in the area. Access to the project site from I-15 is provided by the interchange with Cantu-Galleano Ranch Road, and by the interchange at Limonite Avenue. SR-60 provides access to the project site through the I-15 interchange and Hamner Avenue. Local access to the project site is provided by Cleveland Avenue/Scholar Way to the west of the project site, Limonite Avenue to the south, and Hamner Avenue to the east. See Figure 4-1, Project Location for the existing roadway network within the project area. A brief description of the key roadway facilities in the vicinity of the proposed project is provided below.

- Interstate 15 (I-15) is the main north-south facility through Riverside County. It extends the entire length of Riverside County, from its southern border with San Diego County to its northern border with San Bernardino County. I-15 is a six-lane divided freeway from the San Diego County line to the San Bernardino County line. Near the project site, it is a six-lane freeway with interchanges at 6th Street, Cantu-Galleano Ranch Road, and SR-60.
- State Route 60 (SR-60) is a major east-west ten-lane divided freeway, which intersects I-15 in the City of Eastvale. Interchanges near the project site include Archibald Avenue, Haven Avenue to the east, and the I-15 interchange, and Mission Boulevard to the west.

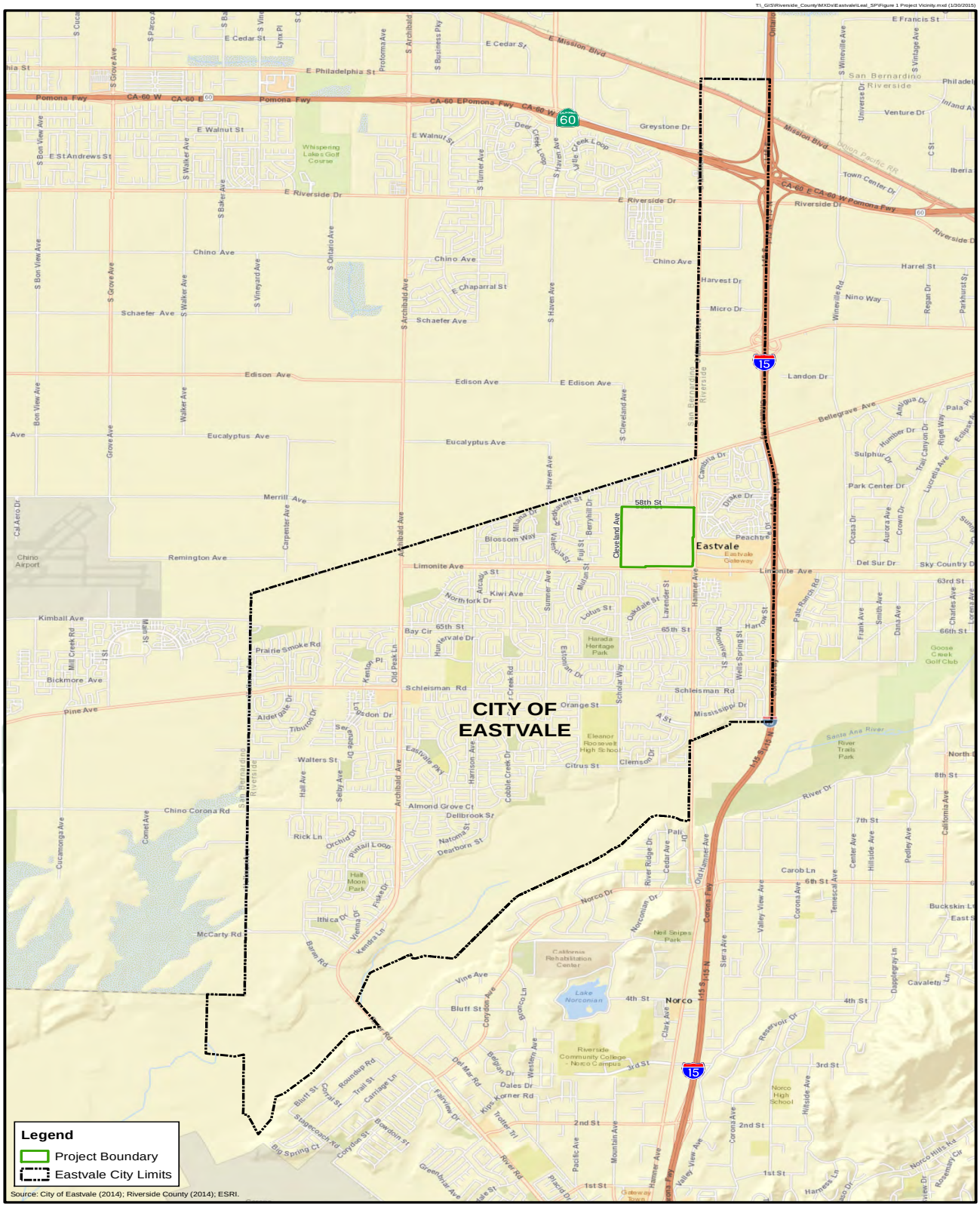


Figure 4-1
Project Location

- Hamner Avenue is a major thoroughfare running north-south through the City of Eastavle. Hamner operates as a four-lane roadway throughout most of the City with two-lanes in some areas, and as many as six lanes in some parts of the city. Hamner provides direct access to the project site from the west, and has two lanes of northbound traffic, and one lane of southbound traffic.
- Cleveland Avenue/Scholar Way is a four-lane roadway running from Citrus Street to Bellgrave Avenue. The roadway is designated as Cleveland Avenue north of Limonite, and Scholar Way south of Limonite in the city. It provides direct access to the project site from the east.
- Limonite Avenue is a major thoroughfare in the City of Eastvale running in the east-west direction. Limonite allows for two-lanes of traffic in each direction, and up to three-lanes in each direction in parts of the city. Limonite provides direct access to the project site from the south.

TRANSIT SYSTEM

Public transportation within Riverside County is provided by Riverside Transit Agency (RTA), which offers both fixed route and Dial-A-Ride service to the City of Eastvale. RTA currently operates two fixed routes to the City, Route 3 and Route 29. Route 3 operates seven days a week with weekday headways of thirty minutes, and weekend headways of one hour. Route 29 operates seven days a week with one hour headways. Route 3 provides access to the project site with stops at Hamner and Swan Lake Estates, and at Limonite and Hamner. Route 29 provides access to the project site with a stop at Limonite and Hamner.

RAIL SYSTEM

Riverside County is served by the Metrolink Riverside Line, which transports commuters from Riverside County to Union Station in Downton Los Angeles. The City of Eastvale has no stations providing service to this line but nearby Jurupa Valley provides riders access to the line.

BIKEWAY SYSTEM

The City of Eastvale does not currently provide an extensive bikeway system. The City identifies three classes of bikeways as:

- Class I: Provides a completely separated right-of-way for the exclusive use of bicycles and pedestrians
- Class II: Provides a striped lane for one-way bike travel on a street or highway
- Class III: Provides for shared use with pedestrian or motor vehicle traffic
- Class IV: This is a new classification that has just been created. Class IV bike facilities are called protected bike lanes or cycle tracks – these facilities are a hybrid between a Class I bicycle facility

and a Class II bicycle facility. They can be either on-street or off-street and are protected by some type of barrier from the adjacent travel lanes.

There are currently no bikeways serving the project site, but the City has an on-going Bicycle Master Plan.

TRAFFIC STUDY AREA

The following study locations were included in our assessment.

Roadway Segments (daily operations)

1. Limonite Avenue: Archibald Avenue to Harrison Avenue
2. Limonite Avenue: Harrison Avenue to Scholar Way
3. Limonite Avenue: Scholar Way to Hamner Avenue
4. Limonite Avenue: Hamner Avenue to I-15 Ramps
5. Limonite Avenue: I-15 Ramps to Wineville Avenue
6. Hamner Avenue: Citrus Street to Schleisman Road
7. Hamner Avenue: Schleisman Road to 68th Street
8. Hamner Avenue: 68th Street to Limonite Avenue
9. Hamner Avenue: Limonite Avenue to Bellgrave Avenue
10. Scholar Way: Limonite Avenue to 68th Street
11. Interstate 15: South of Limonite Avenue
12. Interstate 15: Limonite Avenue to Cantu-Galleano
13. Interstate 15: North of State Route 60
14. Cleveland Avenue: Bellgrave Avenueto Limonite Avenue
15. State Route 60: West of Interstate 15
16. State Route 60: East of Interstate 15
17. Cantu-Galleano Ranch Rd: Interstate 15 Ramps to Hamner Avenue

EXISTING TRAFFIC VOLUMES

Fehr & Peers obtained existing daily traffic counts from the Caltrans District 8 Caltrans Performance Measurement System database for the freeway system and traffic counts conducted by Fehr & Peers on April 14th through April 16th 2015 for local roadways. The average of these three days was used to determine existing volumes. These volumes can be found in Table 4-1.

TABLE 4-1

ROADWAY LEVEL OF SERVICE (LOS) – EXISTING CONDITIONS

ROADWAY SEGMENT	EXISTING CONDITIONS			
	LANES	VOLUME1	V/C2	LOS
LIMONITE AVENUE: ARCHIBALD AVENUE TO HARRISON AVENUE	4	17,425	0.49	C
LIMONITE AVENUE: HARRISON AVENUE TO SCHOLAR WAY	4	24,674	0.69	C
LIMONITE AVENUE: SCHOLAR WAY TO HAMNER AVENUE	4	27,836	0.78	C
LIMONITE AVENUE: HAMNER AVENUE TO I-15 RAMPS	6	41,744	0.77	C
LIMONITE AVENUE: I-15 RAMPS TO WINEVILLE AVENUE	4	31,893	0.89	D
HAMNER AVENUE: CITRUS STREET TO SCHLEISMAN ROAD	4	19,424	0.54	C
HAMNER AVENUE: SCHLEISMAN ROAD TO 68TH STREET	6	11,145	0.21	C
HAMNER AVENUE: 68TH STREET TO LIMONITE AVENUE	6	19,016	0.35	C
HAMNER AVENUE: LIMONITE AVENUE TO BELLGRAVEAVENUE	4	14,742	0.41	C
SCHOLAR WAY: LIMONITE AVENUE TO 68TH STREET	2	4,627	0.36	C
I-15: SOUTH OF LIMONITE AVENUE	6	75,950	0.65	C
I-15: LIMONITE AVENUE TO CANTU-GALLEANO RANCH ROAD	6	78,515	0.67	C
I-15: NORTH OF SR-60	8	108,967	0.68	C
CLEVELAND AVENUE: BELLGRAVE AVENUETO LIMONITE AVENUE	4	2,110	0.16	C
SR 60: WEST OF I-15	10	65,073	0.32	C
SR-60: EAST OF I-15	8	76,718	0.48	C
CANTU-GALLEANO RANCH ROAD: I-15 RAMPS TO HAMNER AVENUE	4	12,335	0.34	C

NOTES:

1.EXISITING 2015 TRAFFIC COUNTS

2. VOLUME TO CAPACITY RATIO (V/C) MEASURES THE ACTUAL VOLUME OF VEHICLES OBSERVED OR COUNTED ON ANY STREET SEGMENT IN RELATION TO THE THROUGHPUT CAPACITY OF THE FACILITY. ANY MEASURE HIGHER THAN ABOUT 0.80 INDICATES CONGESTION. THE NUMBER CAN EXCEED 1.00, INDICATING AN OVERLOADED SITUATION WITH STOP AND GO TRAFFIC.

SOURCE: FEHR & PEERS, 2015

EXISTING TRAFFIC CONDITIONS

Fehr & Peers conducted a detailed analysis of the study roadway segments. Areas identified as operating unacceptably are based on the level of service (LOS) policies published in the jurisdictions planning documents. For purposes of this study, the "acceptable" operating level is identified as LOS C, consistent with those thresholds identified in the Riverside County General Plan (which the City of Jurupa Valley operates under), the City of Eastvale General Plan, and the Caltrans Guidelines for Traffic Impact Assessment.

Table 4-1, Roadway Level of Service-Existing Conditions, presents the existing conditions analysis for roadway segments. Currently only one segment, Limonite Avenue from the I-15 Northbound Ramp to Wineville Avenue is operating below the acceptable LOS C.

5.0 EXISTING PLUS PROJECT CONDITIONS

Fehr & Peers added the "with project" forecasts developed for the project to the existing traffic counts to develop Existing Plus Project Traffic Volumes. These volumes are summarized on Figure 5-1 and are presented in Table 5-1.

As shown in Table 5-1, the project is expected to result in a significant impact to the following locations:

- Limonite Avenue: Harrison Avenue to Scholar Way
- Limonite Avenue: Scholar Way to Hamner Avenue
- Limonite Avenue: Hamner Avenue to I-15 Ramps
- Limonite Avenue: I-15 Ramps to Wineville Avenue
- Hamner Avenue: Limonite Avenue to Bellgrave Avenue

Measures to mitigate project impacts are summarized in Chapter 1.

TABLE 5-1

ROADWAY LEVEL OF SERVICE – EXISTING VS. EXISTING PLUS PROJECT CONDITIONS

ROADWAY SEGMENT	LANES	EXISTING NO PROJECT			EXISTING PLUS PROJECT		
		VOLUME[1]	V/C[2]	LOS	VOLUME[1]	V/C[2]	LOS
Limonite Avenue: Archibald Avenue to Harrison Avenue	4	17,425	0.49	C	23,725	0.66	C
Limonite Avenue: Harrison Avenue to Scholar Way	4	24,674	0.69	C	30,974	0.86	D
Limonite Avenue: Scholar Way to Hamner Avenue	4	27,836	0.78	C	59,336	1.65	F
Limonite Avenue: Hamner Avenue to I-15 Ramps	6	41,744	0.77	C	70,094	1.30	F
Limonite Avenue: I-15 Ramps to Wineville Avenue	4	31,893	0.89	D	38,193	1.06	F
Hamner Avenue: Citrus Street to Schleisman Road	4	19,424	0.54	C	25,724	0.72	C
Hamner Avenue: Schleisman Road to 68th Street	6	11,145	0.21	C	17,445	0.32	C
Hamner Avenue: 68th Street to Limonite Avenue	6	19,016	0.35	C	22,166	0.41	C

TABLE 5-1

ROADWAY LEVEL OF SERVICE – EXISTING VS. EXISTING PLUS PROJECT CONDITIONS

Hamner Avenue: Limonite Avenue to Bellgrave Avenue	4	14,742	0.41	C	43,092	1.20	F
Scholar Way: Limonite Avenue to 68th Street	2	4,627	0.36	C	7,777	0.60	C
I-15: South of Limonite Avenue	6	75,950	0.65	C	88,550	0.75	C
I-15: Limonite Avenue to Cantu-Galleano Ranch Road	6	78,515	0.67	C	87,965	0.75	C
I-15: North of SR-60	8	108,967	0.68	C	118,417	0.74	C
Cleveland Avenue: Bellgrave Avenue to Limonite Avenue	4	2,110	0.16	C	5,260	0.40	C
SR-60: West of I-15	10	65,073	0.32	C	74,523	0.37	C
SR-60: East of I-15	8	76,718	0.48	C	86,168	0.54	C
Cantu Galleano Ranch Road: I-15 Ramps to Hamner Avenue	4	12,335	0.34	C	18,635	0.52	C

Notes:

1.Exisiting 2015 Traffic Counts

2. Volume to capacity ratio (V/C) measures the actual volume of vehicles observed or counted on any street segment in relation to the throughput capacity of the facility. Any measure higher than about 0.80 indicates congestion. The number can exceed 1.00, indicating an overloaded situation with stop and go traffic.

Source: Fehr & Peers, 2015

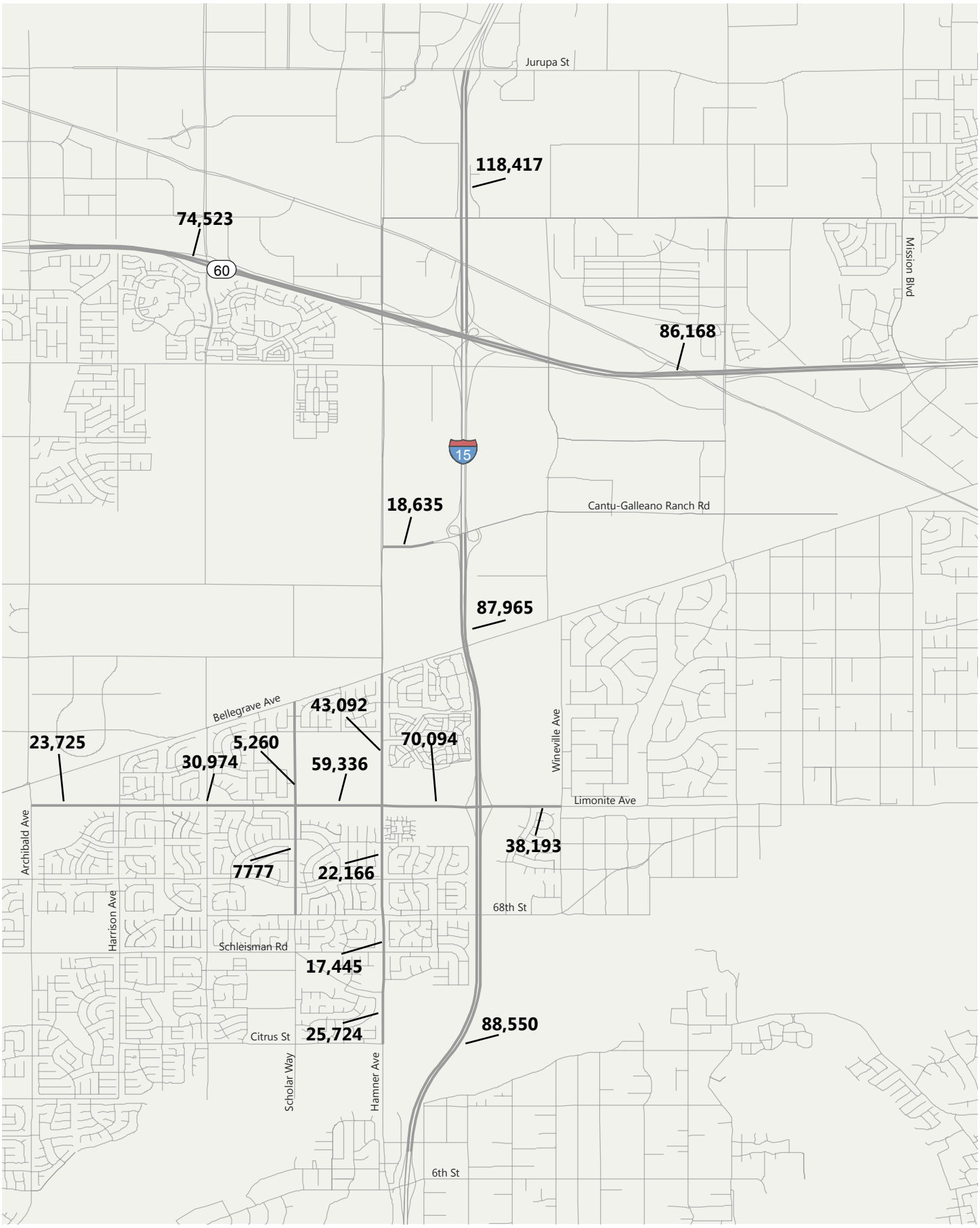


Figure 5-1

Existing (2015) Plus Project Conditions

Daily Volumes

6.0 CUMULATIVE CONDITIONS

As noted previously, cumulative traffic volumes were developed using the RIVTAM travel demand forecasting model after updating the land use information to incorporate approved and pending projects in the study area that were not included in the travel demand model assumptions.

In addition to the modeling modifications, it is assumed that the following roadways improvements would occur by year 2035 and these improvements are included in the forecasting and analysis assumptions:

- Limonite will be widened to six lanes
- Two express lanes each direction will be implemented on I-15 (please note that the reported traffic volumes on I-15 and the assumed capacity in the technical analysis is for the general purpose lanes only)
- Hamner Avenue will be widened to six lanes

Table 6-1 summarizes the results of the Cumulative No Project assessment. The Cumulative No Project traffic volumes are summarized on Figure 6-1.

As shown in Table 6-1, the following roadway segments are expected to operate unacceptably under the Cumulative No Project Condition:

- Limonite Avenue: Archibald Avenue to Harrison Avenue
- Limonite Avenue: Harrison Avenue to Scholar Way
- Limonite Avenue: Scholar Way to Hamner Avenue
- Limonite Avenue: Hamner Avenue to I-15 Ramps
- Limonite Avenue: I-15 Ramps to Wineville Avenue

TABLE 6-1

ROADWAY LEVEL OF SERVICE – CUMULATIVE NO PROJECT CONDITIONS

ROADWAY SEGMENT	LANES	CUMULATIVE NO PROJECT		
		VOLUME	V/C[1]	LOS
LIMONITE AVENUE: ARCHIBALD AVENUE TO HARRISON AVENUE	6	44,000	0.82	D
LIMONITE AVENUE: HARRISON AVENUE TO SCHOLAR WAY	6	50,780	0.94	E
LIMONITE AVENUE: SCHOLAR WAY TO HAMNER AVENUE	6	48,960	0.91	E
LIMONITE AVENUE: HAMNER AVENUE TO I-15 RAMPS	6	69,110	1.28	F
LIMONITE AVENUE: I-15 RAMPS TO WINEVILLE AVENUE	6	65,010	1.21	F
HAMNER AVENUE: CITRUS STREET TO SCHLEISMAN ROAD	6	25,400	0.47	C
HAMNER AVENUE: SCHLEISMAN ROAD TO 68TH STREET	6	15,030	0.28	C
HAMNER AVENUE: 68TH STREET TO LIMONITE AVENUE	6	22,730	0.42	C
HAMNER AVENUE: LIMONITE AVENUE TO BELLGRAVE AVENUE	6	31,890	0.59	C
SCHOLAR WAY: LIMONITE AVENUE TO 68TH STREET	2	6,860	0.53	C
I-15: SOUTH OF LIMONITE AVENUE	6	81,750	0.70	C
I-15: LIMONITE AVENUE TO CANTU-GALLEANO RANCH ROAD	6	81,340	0.69	C
I-15: NORTH OF SR-60	8	127,570	0.79	C
CLEVELAND AVENUE: BELLGRAVE AVENUE TO LIMONITE AVENUE	4	2,810	0.22	C
SR-60: WEST OF I-15	10	78,910	0.39	C
SR-60: EAST OF I-15	8	83,360	0.52	C
CANTU GALLEANO RANCH ROAD: I-15 RAMPS TO HAMNER AVENUE	4	23,980	0.67	C

SHADING INDICATES UNACCEPTABLE OPERATIONS.

1. VOLUME TO CAPACITY RATIO (V/C) MEASURES THE ACTUAL VOLUME OF VEHICLES OBSERVED OR COUNTED ON ANY STREET SEGMENT IN RELATION TO THE THROUGHPUT CAPACITY OF THE FACILITY. ANY MEASURE HIGHER THAN ABOUT 0.80 INDICATES CONGESTION. THE NUMBER CAN EXCEED 1.00, INDICATING AN OVERLOADED SITUATION WITH STOP AND GO TRAFFIC.

SOURCE: FEHR & PEERS, 2015

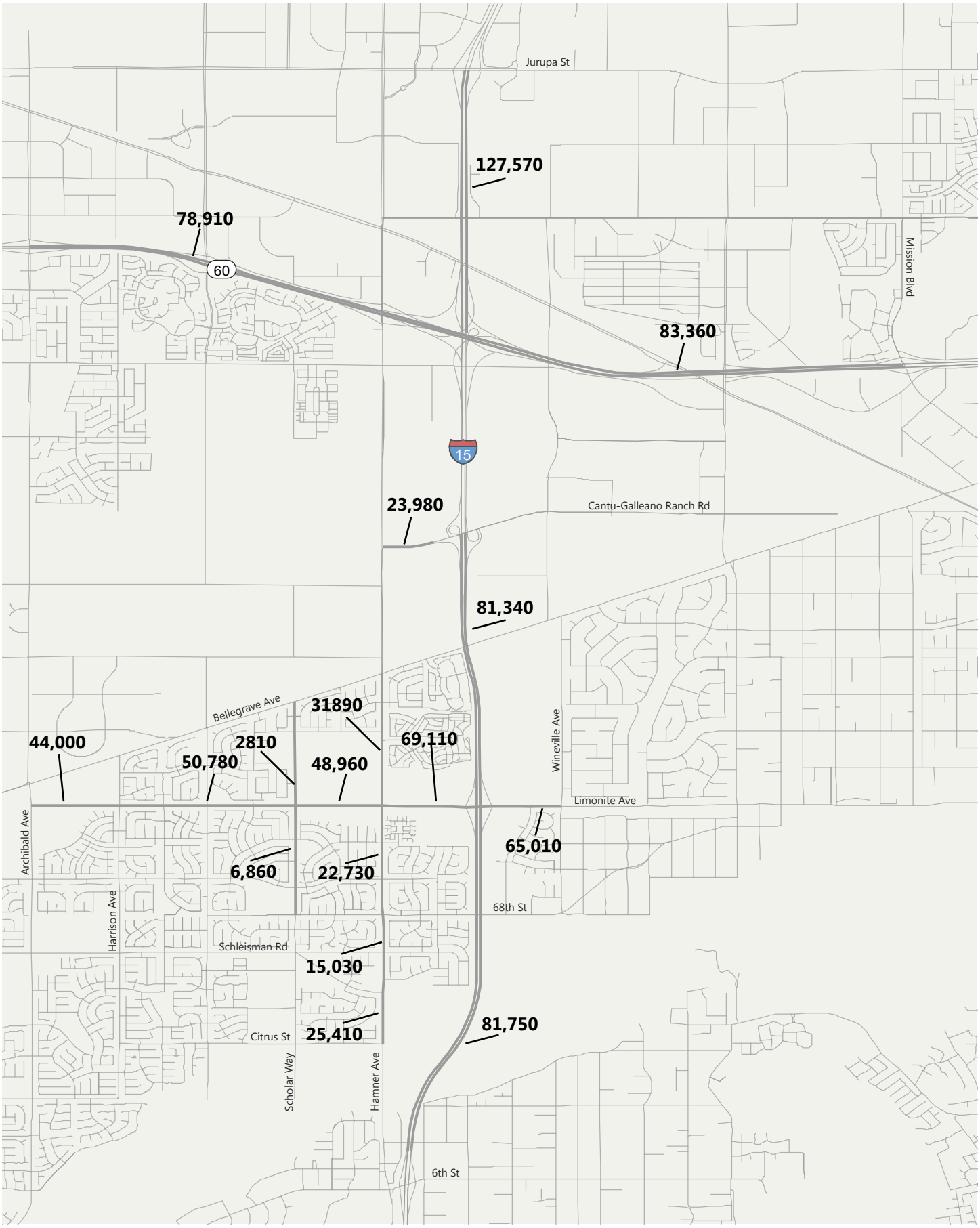


Figure 6-1

Cumulative (2035) No Project Conditions

Daily Volumes

7.0 CUMULATIVE PLUS PROJECT CONDITIONS

Project trips were added to the Cumulative No Project traffic volumes to develop Cumulative Plus Project traffic volumes. These volumes are summarized in Table 7-1 and are shown on Figure 7-1.

As shown in Table 7-1, the following locations are projected to operate at an unacceptable level under the Cumulative Plus Project Condition:

- Limonite Avenue: Archibald Avenue to Harrison Avenue
- Limonite Avenue: Harrison Avenue to Scholar Way
- Limonite Avenue: Scholar Way to Hamner Avenue
- Limonite Avenue: Hamner Avenue to I-15 Ramps
- Limonite Avenue: I-15 Ramps to Wineville Avenue
- Hamner Avenue: Limonite Avenue to Bellgrave Avenue
- I-15: South of Limonite Avenue
- I-15: North of SR-60
- Cantu Galleano Ranch Road: I-15 Ramps to Hamner Avenue

Measures to mitigate cumulative impacts are summarized in Chapter 1.

TABLE 7-1

ROADWAY LEVEL OF SERVICE – CUMULATIVE NO PROJECT VS. CUMULATIVE PLUS PROJECT CONDITIONS

Roadway Segment	Lanes	Cumulative No Project			Cumulative Plus Project		
		Volume	V/C[1]	LOS	Volume	V/C[1]	LOS
1. Limonite Avenue: Archibald Avenue to Harrison Avenue	6	44,000	0.82	D	50,300	0.93	E
2. Limonite Avenue: Harrison Avenue to Scholar Way	6	50,780	0.94	E	57080	1.06	F
3. Limonite Avenue: Scholar Way to Hamner Avenue	6	48,960	0.91	E	80,460	1.49	F
4. Limonite Avenue: Hamner Avenue to I-15 Ramps	6	69,110	1.28	F	97,460	1.81	F
5. Limonite Avenue: I-15 Ramps to Wineville Avenue	6	65,010	1.21	F	71,310	1.32	F
6. Hamner Avenue: Citrus Street to Schleisman Road	6	25,400	0.47	C	31,700	0.59	C
7. Hamner Avenue: Schleisman Road to 68th Street	6	15,030	0.28	C	21,330	0.40	C
8. Hamner Avenue: 68th Street to Limonite Avenue	6	22,730	0.42	C	25,880	0.48	C
9. Hamner Avenue: Limonite Avenue to Bellgrave Avenue	6	31,890	0.59	C	60,240	1.12	F
10. Scholar Way: Limonite Avenue to 68th Street	2	6,860	0.53	C	10,010	0.77	C
11. I-15: South of Limonite Avenue	6	81,750	0.70	C	94,350	0.80	D
12. I-15: Limonite Avenue to Cantu-Galleano Ranch Road	6	81,340	0.69	C	90,790	0.77	C
13. I-15: North of SR-60	8	127,570	0.79	C	137,020	0.85	D
14. Cleveland Avenue: Bellgrave Avenue to Limonite Avenue	4	2,810	0.22	C	5,960	0.46	C
15. SR-60: West of I-15	10	78,910	0.39	C	88,360	0.44	C
16. SR-60: East of I-15	8	83,360	0.52	C	92,810	0.58	C
17. Cantu Galleano Ranch Road: I-15 Ramps to Hamner Avenue	4	23,980	0.67	C	30,280	0.84	D

Shading indicates unacceptable operations.

1. Volume to capacity ratio (V/C) measures the actual volume of vehicles observed or counted on any street segment in relation to the throughput capacity of the facility. Any measure higher than about 0.80 indicates congestion. The number can exceed 1.00, indicating an overloaded situation with stop and go traffic.

Source: Fehr & Peers, 2015

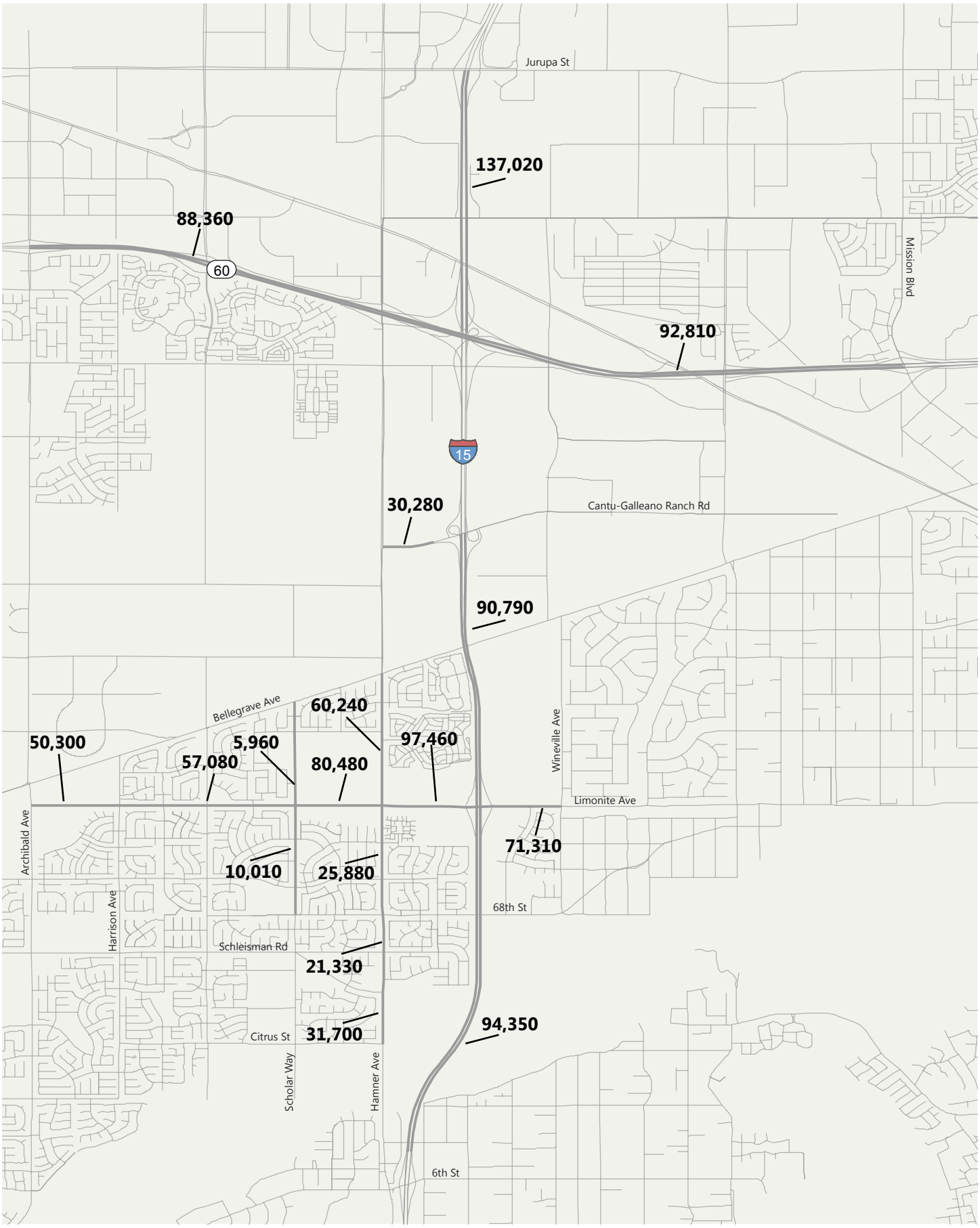


Figure 7-1

Cumulative (2035) Plus Project Conditions

Daily Volumes

APPENDIX A: DATA COUNT SHEETS

Prepared by NDS/ATD

VOLUME

Cantu-Galleano Ranch Rd Bet. I-15 Ramps & Hamner Ave

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_017

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,921	6,407	12,328

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			16		18		34		12:00			79		77		156	
00:15			17		12		29		12:15			82		73		155	
00:30			11		14		25		12:30			106		98		204	
00:45			7	51	9	53	16	104	12:45			74	341	81	329	155	670
01:00			10		12		22		13:00			68		86		154	
01:15			8		9		17		13:15			77		86		163	
01:30			6		8		14		13:30			90		100		190	
01:45			8	32	8	37	16	69	13:45			84	319	95	367	179	686
02:00			9		8		17		14:00			84		82		166	
02:15			7		5		12		14:15			84		100		184	
02:30			7		16		23		14:30			128		119		247	
02:45			12	35	24	53	36	88	14:45			82	378	102	403	184	781
03:00			8		13		21		15:00			113		83		196	
03:15			9		21		30		15:15			103		107		210	
03:30			10		22		32		15:30			135		139		274	
03:45			15	42	51	107	66	149	15:45			113	464	165	494	278	958
04:00			18		11		29		16:00			111		156		267	
04:15			25		19		44		16:15			110		124		234	
04:30			33		29		62		16:30			101		154		255	
04:45			29	105	69	128	98	233	16:45			117	439	146	580	263	1019
05:00			33		50		83		17:00			116		145		261	
05:15			22		65		87		17:15			104		151		255	
05:30			55		64		119		17:30			100		147		247	
05:45			38	148	100	279	138	427	17:45			83	403	123	566	206	969
06:00			47		66		113		18:00			74		105		179	
06:15			91		52		143		18:15			71		82		153	
06:30			128		70		198		18:30			92		86		178	
06:45			144	410	88	276	232	686	18:45			38	275	77	350	115	625
07:00			133		77		210		19:00			45		73		118	
07:15			155		70		225		19:15			45		85		130	
07:30			170		75		245		19:30			42		66		108	
07:45			158	616	92	314	250	930	19:45			42	174	70	294	112	468
08:00			110		94		204		20:00			26		70		96	
08:15			117		75		192		20:15			30		67		97	
08:30			124		70		194		20:30			34		62		96	
08:45			93	444	75	314	168	758	20:45			28	118	64	263	92	381
09:00			89		60		149		21:00			34		50		84	
09:15			80		59		139		21:15			35		55		90	
09:30			80		60		140		21:30			32		57		89	
09:45			46	295	66	245	112	540	21:45			22	123	62	224	84	347
10:00			66		47		113		22:00			29		50		79	
10:15			57		49		106		22:15			23		51		74	
10:30			59		54		113		22:30			32		46		78	
10:45			72	254	61	211	133	465	22:45			19	103	34	181	53	284
11:00			53		44		97		23:00			27		24		51	
11:15			67		65		132		23:15			12		27		39	
11:30			70		57		127		23:30			21		23		44	
11:45			89	279	74	240	163	519	23:45			13	73	25	99	38	172
TOTALS				2711		2257		**4968**	**TOTALS**				3210		4150		**7360**
SPLIT %				54.6%		45.4%		**40.3%**	**SPLIT %**				43.6%		56.4%		**59.7%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,921	6,407	12,328

AM Peak Hour			07:00	07:30	**07:00**	**PM Peak Hour**			15:30	15:45	**15:30**
AM Pk Volume			616	336	**930**	**PM Pk Volume**			469	599	**1053**
Pk Hr Factor			0.906	0.894	**0.930**	**Pk Hr Factor**			0.869	0.908	**0.947**
7 - 9 Volume	0	0	1060	628	**1688**	**4 - 6 Volume**	0	0	842	1146	**1988**
7 - 9 Peak Hour			07:00	07:30	**07:00**	**4 - 6 Peak Hour**			16:15	16:30	**16:30**
7 - 9 Pk Volume	0	0	616	336	**930**	**4 - 6 Pk Volume**	0	0	444	596	**1034**
Pk Hr Factor	0.000	0.000	0.906	0.894	**0.930**	**Pk Hr Factor**	0.000	0.000	0.949	0.968	**0.983**

Prepared by NDS/ATD

VOLUME

Cantu-Galleano Ranch Rd Bet. I-15 Ramps & Hamner Ave

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_017

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,031	6,481	12,512

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			15		12		27		12:00			65		59		124	
00:15			13		17		30		12:15			85		68		153	
00:30			17		11		28		12:30			121		78		199	
00:45			16	61	10	50	26	111	12:45			61	332	91	296	152	628
01:00			12		10		22		13:00			70		78		148	
01:15			14		7		21		13:15			78		84		162	
01:30			11		11		22		13:30			93		113		206	
01:45			14	51	8	36	22	87	13:45			90	331	87	362	177	693
02:00			5		6		11		14:00			86		93		179	
02:15			9		9		18		14:15			90		103		193	
02:30			15		13		28		14:30			117		86		203	
02:45			11	40	19	47	30	87	14:45			98	391	119	401	217	792
03:00			7		16		23		15:00			99		81		180	
03:15			8		18		26		15:15			101		103		204	
03:30			10		23		33		15:30			155		104		259	
03:45			18	43	46	103	64	146	15:45			105	460	110	398	215	858
04:00			17		20		37		16:00			92		138		230	
04:15			33		13		46		16:15			126		145		271	
04:30			43		35		78		16:30			134		157		291	
04:45			37	130	62	130	99	260	16:45			90	442	124	564	214	1006
05:00			32		56		88		17:00			95		129		224	
05:15			29		62		91		17:15			97		124		221	
05:30			47		66		113		17:30			116		116		232	
05:45			45	153	92	276	137	429	17:45			91	399	137	506	228	905
06:00			45		75		120		18:00			92		115		207	
06:15			68		74		142		18:15			92		95		187	
06:30			129		87		216		18:30			64		77		141	
06:45			133	375	85	321	218	696	18:45			58	306	76	363	134	669
07:00			129		75		204		19:00			59		95		154	
07:15			154		133		287		19:15			48		86		134	
07:30			171		153		324		19:30			54		71		125	
07:45			170	624	137	498	307	1122	19:45			26	187	59	311	85	498
08:00			110		102		212		20:00			36		62		98	
08:15			131		99		230		20:15			39		79		118	
08:30			130		84		214		20:30			29		56		85	
08:45			97	468	84	369	181	837	20:45			33	137	72	269	105	406
09:00			79		54		133		21:00			30		53		83	
09:15			69		44		113		21:15			23		68		91	
09:30			66		58		124		21:30			25		56		81	
09:45			57	271	78	234	135	505	21:45			28	106	68	245	96	351
10:00			71		56		127		22:00			20		45		65	
10:15			64		65		129		22:15			19		30		49	
10:30			66		49		115		22:30			29		40		69	
10:45			62	263	55	225	117	488	22:45			30	98	37	152	67	250
11:00			48		52		100		23:00			20		32		52	
11:15			74		61		135		23:15			28		22		50	
11:30			75		50		125		23:30			34		24		58	
11:45			69	266	66	229	135	495	23:45			15	97	18	96	33	193
TOTALS				2745		2518		5263	TOTALS				3286		3963		7249
SPLIT %				52.2%		47.8%		42.1%	SPLIT %				45.3%		54.7%		57.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,031	6,481	12,512

AM Peak Hour			07:00	07:15	07:15	PM Peak Hour			15:30	16:00	15:45
AM Pk Volume			624	525	1130	PM Pk Volume			478	564	1007
Pk Hr Factor			0.912	0.858	0.872	Pk Hr Factor			0.771	0.898	0.865
7 - 9 Volume	0	0	1092	867	1959	4 - 6 Volume	0	0	841	1070	1911
7 - 9 Peak Hour			07:00	07:15	07:15	4 - 6 Peak Hour			16:15	16:00	16:00
7 - 9 Pk Volume	0	0	624	525	1130	4 - 6 Pk Volume	0	0	445	564	1006
Pk Hr Factor	0.000	0.000	0.912	0.858	0.872	Pk Hr Factor	0.000	0.000	0.830	0.898	0.864

Prepared by NDS/ATD

VOLUME

Cantu-Galleano Ranch Rd Bet. I-15 Ramps & Hamner Ave

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_017

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,955	6,208	12,163

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			9		15		24		12:00			68		63		131	
00:15			15		18		33		12:15			74		79		153	
00:30			12		17		29		12:30			95		77		172	
00:45			4	40	14	64	18	104	12:45			80	317	86	305	166	622
01:00			5		4		9		13:00			74		97		171	
01:15			11		6		17		13:15			72		88		160	
01:30			11		13		24		13:30			97		82		179	
01:45			8	35	8	31	16	66	13:45			69	312	96	363	165	675
02:00			8		6		14		14:00			99		93		192	
02:15			8		4		12		14:15			75		102		177	
02:30			7		9		16		14:30			129		98		227	
02:45			13	36	28	47	41	83	14:45			112	415	83	376	195	791
03:00			16		16		32		15:00			98		72		170	
03:15			10		11		21		15:15			114		100		214	
03:30			14		24		38		15:30			127		104		231	
03:45			22	62	40	91	62	153	15:45			112	451	117	393	229	844
04:00			21		18		39		16:00			117		121		238	
04:15			28		22		50		16:15			112		144		256	
04:30			36		23		59		16:30			106		134		240	
04:45			29	114	60	123	89	237	16:45			95	430	155	554	250	984
05:00			26		50		76		17:00			95		136		231	
05:15			33		64		97		17:15			116		134		250	
05:30			46		81		127		17:30			122		161		283	
05:45			46	151	98	293	144	444	17:45			83	416	129	560	212	976
06:00			52		65		117		18:00			82		105		187	
06:15			83		61		144		18:15			82		125		207	
06:30			115		73		188		18:30			97		82		179	
06:45			136	386	83	282	219	668	18:45			56	317	99	411	155	728
07:00			138		70		208		19:00			59		65		124	
07:15			148		60		208		19:15			38		72		110	
07:30			163		70		233		19:30			54		52		106	
07:45			149	598	93	293	242	891	19:45			46	197	61	250	107	447
08:00			114		96		210		20:00			40		65		105	
08:15			104		83		187		20:15			30		53		83	
08:30			98		85		183		20:30			38		54		92	
08:45			91	407	73	337	164	744	20:45			38	146	70	242	108	388
09:00			86		80		166		21:00			27		58		85	
09:15			67		52		119		21:15			30		67		97	
09:30			67		56		123		21:30			32		56		88	
09:45			57	277	71	259	128	536	21:45			33	122	64	245	97	367
10:00			64		63		127		22:00			26		51		77	
10:15			69		40		109		22:15			16		38		54	
10:30			56		51		107		22:30			30		38		68	
10:45			61	250	46	200	107	450	22:45			28	100	25	152	53	252
11:00			58		69		127		23:00			16		22		38	
11:15			74		53		127		23:15			26		19		45	
11:30			67		66		133		23:30			34		20		54	
11:45			80	279	63	251	143	530	23:45			21	97	25	86	46	183
TOTALS				2635		2271		4906	TOTALS				3320		3937		7257
SPLIT %				53.7%		46.3%		40.3%	SPLIT %				45.7%		54.3%		59.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,955	6,208	12,163

AM Peak Hour			07:00	07:45	07:15	PM Peak Hour			15:15	16:45	16:45
AM Pk Volume			598	357	893	PM Pk Volume			470	586	1014
Pk Hr Factor			0.917	0.930	0.923	Pk Hr Factor			0.925	0.910	0.896
7 - 9 Volume	0	0	1005	630	1635	4 - 6 Volume	0	0	846	1114	1960
7 - 9 Peak Hour			07:00	07:45	07:15	4 - 6 Peak Hour			16:00	16:45	16:45
7 - 9 Pk Volume	0	0	598	357	893	4 - 6 Pk Volume	0	0	430	586	1014
Pk Hr Factor	0.000	0.000	0.917	0.930	0.923	Pk Hr Factor	0.000	0.000	0.919	0.910	0.896

Prepared by NDS/ATD

VOLUME

Cleveland Ave Bet. Bellgrave St & Limonite Ave

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_014

DAILY TOTALS	NB	SB	EB	WB	Total
	1,016	1,086	0	0	2,102

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	0		2				2		12:00	8		10				18	
00:15	1		1				2		12:15	8		10				18	
00:30	1		0				1		12:30	11		5				16	
00:45	1	3	0	3			1	6	12:45	5	32	9	34			14	66
01:00	0		1				1		13:00	8		7				15	
01:15	0		0				0		13:15	6		8				14	
01:30	1		0				1		13:30	10		7				17	
01:45	1	2	0	1			1	3	13:45	8	32	9	31			17	63
02:00	0		1				1		14:00	6		14				20	
02:15	0		1				1		14:15	7		16				23	
02:30	0		1				1		14:30	10		36				46	
02:45	0		0	3			0	3	14:45	19	42	42	108			61	150
03:00	0		0				0		15:00	46		25				71	
03:15	1		0				1		15:15	39		21				60	
03:30	0		0				0		15:30	41		25				66	
03:45	0	1	0				0	1	15:45	13	139	27	98			40	237
04:00	0		1				1		16:00	20		19				39	
04:15	0		3				3		16:15	22		15				37	
04:30	3		3				6		16:30	21		21				42	
04:45	2	5	1	8			3	13	16:45	17	80	16	71			33	151
05:00	3		7				10		17:00	20		27				47	
05:15	0		2				2		17:15	22		22				44	
05:30	0		4				4		17:30	19		31				50	
05:45	4	7	6	19			10	26	17:45	15	76	24	104			39	180
06:00	5		8				13		18:00	25		25				50	
06:15	6		6				12		18:15	15		22				37	
06:30	17		17				34		18:30	20		14				34	
06:45	22	50	27	58			49	108	18:45	10	70	14	75			24	145
07:00	19		23				42		19:00	16		14				30	
07:15	35		43				78		19:15	18		18				36	
07:30	33		26				59		19:30	16		12				28	
07:45	32	119	26	118			58	237	19:45	18	68	11	55			29	123
08:00	25		58				83		20:00	16		11				27	
08:15	31		26				57		20:15	9		6				15	
08:30	29		12				41		20:30	5		9				14	
08:45	11	96	13	109			24	205	20:45	14	44	5	31			19	75
09:00	9		8				17		21:00	11		9				20	
09:15	9		16				25		21:15	12		4				16	
09:30	5		7				12		21:30	8		4				12	
09:45	7	30	10	41			17	71	21:45	1	32	7	24			8	56
10:00	15		15				30		22:00	5		8				13	
10:15	8		7				15		22:15	5		2				7	
10:30	3		5				8		22:30	6		5				11	
10:45	10	36	8	35			18	71	22:45	1	17	4	19			5	36
11:00	9		3				12		23:00	1		0				1	
11:15	6		6				12		23:15	2		3				5	
11:30	10		10				20		23:30	1		2				3	
11:45	6	31	15	34			21	65	23:45	0	4	2	7			2	11
TOTALS		380		429				809	TOTALS		636		657				1293
SPLIT %		47.0%		53.0%				38.5%	SPLIT %		49.2%		50.8%				61.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,016	1,086	0	0	2,102

AM Peak Hour	07:15	07:15			07:15	PM Peak Hour	14:45	14:30			14:45
AM Pk Volume	125	153			278	PM Pk Volume	145	124			258
Pk Hr Factor	0.893	0.659			0.837	Pk Hr Factor	0.788	0.738			0.908
7 - 9 Volume	215	227	0	0	442	4 - 6 Volume	156	175	0	0	331
7 - 9 Peak Hour	07:15	07:15			07:15	4 - 6 Peak Hour	16:00	17:00			17:00
7 - 9 Pk Volume	125	153	0	0	278	4 - 6 Pk Volume	80	104	0	0	180
Pk Hr Factor	0.893	0.659	0.000	0.000	0.837	Pk Hr Factor	0.909	0.839	0.000	0.000	0.900

Prepared by NDS/ATD

VOLUME

Cleveland Ave Bet. Bellgrave St & Limonite Ave

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_014

DAILY TOTALS	NB	SB	EB	WB	Total
	1,056	1,123	0	0	2,179

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	0		1				1		12:00	8		10				18	
00:15	2		2				4		12:15	10		6				16	
00:30	0		1				1		12:30	10		6				16	
00:45	2	4	1	5			3	9	12:45	11	39	8	30			19	69
01:00	1		0				1		13:00	7		11				18	
01:15	1		2				3		13:15	9		19				28	
01:30	1		0				1		13:30	17		26				43	
01:45	0	3	1	3			1	6	13:45	12	45	33	89			45	134
02:00	0		0				0		14:00	30		20				50	
02:15	0		1				1		14:15	25		21				46	
02:30	0		0				0		14:30	16		14				30	
02:45	1	1	0	1			1	2	14:45	14	85	22	77			36	162
03:00	1		0				1		15:00	33		17				50	
03:15	0		2				2		15:15	24		23				47	
03:30	0		1				1		15:30	27		17				44	
03:45	1	2	0	3			1	5	15:45	19	103	14	71			33	174
04:00	0		0				0		16:00	13		17				30	
04:15	1		3				4		16:15	18		21				39	
04:30	2		1				3		16:30	12		25				37	
04:45	2	5	4	8			6	13	16:45	18	61	24	87			42	148
05:00	2		3				5		17:00	17		21				38	
05:15	1		3				4		17:15	19		27				46	
05:30	3		7				10		17:30	18		27				45	
05:45	4	10	4	17			8	27	17:45	27	81	27	102			54	183
06:00	4		16				20		18:00	25		19				44	
06:15	12		11				23		18:15	10		20				30	
06:30	13		16				29		18:30	19		19				38	
06:45	19	48	13	56			32	104	18:45	20	74	19	77			39	151
07:00	14		19				33		19:00	32		29				61	
07:15	19		18				37		19:15	17		13				30	
07:30	20		24				44		19:30	12		13				25	
07:45	27	80	44	105			71	185	19:45	14	75	12	67			26	142
08:00	26		72				98		20:00	19		10				29	
08:15	34		30				64		20:15	11		14				25	
08:30	34		22				56		20:30	9		10				19	
08:45	17	111	18	142			35	253	20:45	9	48	6	40			15	88
09:00	13		11				24		21:00	10		8				18	
09:15	8		9				17		21:15	15		9				24	
09:30	9		6				15		21:30	16		10				26	
09:45	5	35	7	33			12	68	21:45	6	47	2	29			8	76
10:00	7		6				13		22:00	5		8				13	
10:15	6		5				11		22:15	3		2				5	
10:30	11		5				16		22:30	7		5				12	
10:45	6	30	9	25			15	55	22:45	3	18	2	17			5	35
11:00	11		12				23		23:00	2		3				5	
11:15	14		6				20		23:15	3		1				4	
11:30	9		9				18		23:30	0		3				3	
11:45	9	43	5	32			14	75	23:45	3	8	0	7			3	15
TOTALS		372		430				802	TOTALS		684		693				1377
SPLIT %		46.4%		53.6%				36.8%	SPLIT %		49.7%		50.3%				63.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,056	1,123	0	0	2,179

AM Peak Hour	07:45	07:30			07:45	PM Peak Hour	15:00	17:00			17:15
AM Pk Volume	121	170			289	PM Pk Volume	103	102			189
Pk Hr Factor	0.890	0.590			0.737	Pk Hr Factor	0.780	0.944			0.875
7 - 9 Volume	191	247	0	0	438	4 - 6 Volume	142	189	0	0	331
7 - 9 Peak Hour	07:45	07:30			07:45	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	121	170	0	0	289	4 - 6 Pk Volume	81	102	0	0	183
Pk Hr Factor	0.890	0.590	0.000	0.000	0.737	Pk Hr Factor	0.750	0.944	0.000	0.000	0.847

Prepared by NDS/ATD

VOLUME

Cleveland Ave Bet. Bellgrave St & Limonite Ave

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_014

DAILY TOTALS	NB	SB	EB	WB	Total
	969	1,078	0	0	2,047

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	2		1				3		12:00	14		17				31	
00:15	0		2				2		12:15	16		9				25	
00:30	4		0				4		12:30	11		6				17	
00:45	2	8	2	5			4	13	12:45	7	48	4	36			11	84
01:00	1		1				2		13:00	7		9				16	
01:15	1		0				1		13:15	11		6				17	
01:30	2		1				3		13:30	7		8				15	
01:45	0	4	0	2			0	6	13:45	7	32	12	35			19	67
02:00	0		0				0		14:00	6		16				22	
02:15	0		0				0		14:15	10		16				26	
02:30	1		0				1		14:30	15		34				49	
02:45	1	2	0				1	2	14:45	28	59	39	105			67	164
03:00	0		1				1		15:00	49		36				85	
03:15	0		0				0		15:15	36		20				56	
03:30	0		0				0		15:30	38		27				65	
03:45	1	1	1	2			2	3	15:45	13	136	29	112			42	248
04:00	2		0				2		16:00	26		19				45	
04:15	1		4				5		16:15	12		15				27	
04:30	3		1				4		16:30	23		27				50	
04:45	2	8	3	8			5	16	16:45	11	72	31	92			42	164
05:00	4		1				5		17:00	11		20				31	
05:15	1		4				5		17:15	13		19				32	
05:30	3		9				12		17:30	13		22				35	
05:45	3	11	4	18			7	29	17:45	14	51	15	76			29	127
06:00	1		12				13		18:00	18		22				40	
06:15	10		13				23		18:15	21		15				36	
06:30	19		12				31		18:30	13		11				24	
06:45	16	46	14	51			30	97	18:45	11	63	13	61			24	124
07:00	30		26				56		19:00	14		17				31	
07:15	26		36				62		19:15	11		13				24	
07:30	31		26				57		19:30	12		11				23	
07:45	36	123	26	114			62	237	19:45	9	46	10	51			19	97
08:00	18		71				89		20:00	10		12				22	
08:15	35		28				63		20:15	5		4				9	
08:30	24		17				41		20:30	7		9				16	
08:45	13	90	9	125			22	215	20:45	8	30	8	33			16	63
09:00	9		10				19		21:00	8		6				14	
09:15	6		10				16		21:15	13		12				25	
09:30	10		12				22		21:30	3		0				3	
09:45	7	32	7	39			14	71	21:45	6	30	5	23			11	53
10:00	8		7				15		22:00	3		2				5	
10:15	3		11				14		22:15	1		6				7	
10:30	9		5				14		22:30	3		1				4	
10:45	9	29	10	33			19	62	22:45	0	7	3	12			3	19
11:00	9		11				20		23:00	2		3				5	
11:15	10		4				14		23:15	1		3				4	
11:30	7		10				17		23:30	2		0				2	
11:45	9	35	13	38			22	73	23:45	1	6	1	7			2	13
TOTALS		389		435				824	TOTALS		580		643				1223
SPLIT %		47.2%		52.8%				40.3%	SPLIT %		47.4%		52.6%				59.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	969	1,078	0	0	2,047

AM Peak Hour	07:00	07:15			07:30	PM Peak Hour	14:45	14:30			14:45
AM Pk Volume	123	159			271	PM Pk Volume	151	129			273
Pk Hr Factor	0.854	0.560			0.761	Pk Hr Factor	0.770	0.827			0.803
7 - 9 Volume	213	239	0	0	452	4 - 6 Volume	123	168	0	0	291
7 - 9 Peak Hour	07:00	07:15			07:30	4 - 6 Peak Hour	16:00	16:30			16:00
7 - 9 Pk Volume	123	159	0	0	271	4 - 6 Pk Volume	72	97	0	0	164
Pk Hr Factor	0.854	0.560	0.000	0.000	0.761	Pk Hr Factor	0.692	0.782	0.000	0.000	0.820

Prepared by NDS/ATD

VOLUME

Scholar Wy Bet. 68th St & Limonite Ave

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_010

DAILY TOTALS	NB	SB	EB	WB	Total
	2,051	2,713	0	0	4,764

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	5		5				10		12:00	13		43				56	
00:15	3		5				8		12:15	24		32				56	
00:30	2		1				3		12:30	22		22				44	
00:45	2	12	2	13			4	25	12:45	18	77	34	131			52	208
01:00	1		0				1		13:00	25		33				58	
01:15	3		4				7		13:15	24		33				57	
01:30	1		2				3		13:30	21		23				44	
01:45	2	7	0	6			2	13	13:45	28	98	32	121			60	219
02:00	1		1				2		14:00	20		19				39	
02:15	3		1				4		14:15	30		27				57	
02:30	1		2				3		14:30	44		59				103	
02:45	0	5	2	6			2	11	14:45	69	163	61	166			130	329
03:00	0		6				6		15:00	57		68				125	
03:15	0		1				1		15:15	47		81				128	
03:30	1		1				2		15:30	45		61				106	
03:45	1	2	2	10			3	12	15:45	36	185	45	255			81	440
04:00	2		1				3		16:00	40		55				95	
04:15	1		1				2		16:15	39		34				73	
04:30	2		7				9		16:30	34		41				75	
04:45	2	7	6	15			8	22	16:45	40	153	36	166			76	319
05:00	4		6				10		17:00	41		60				101	
05:15	6		7				13		17:15	44		41				85	
05:30	3		8				11		17:30	57		33				90	
05:45	3	16	10	31			13	47	17:45	49	191	41	175			90	366
06:00	10		14				24		18:00	49		56				105	
06:15	10		15				25		18:15	59		64				123	
06:30	23		45				68		18:30	46		61				107	
06:45	20	63	35	109			55	172	18:45	51	205	40	221			91	426
07:00	40		36				76		19:00	46		53				99	
07:15	61		65				126		19:15	36		47				83	
07:30	40		87				127		19:30	36		38				74	
07:45	26	167	77	265			103	432	19:45	33	151	28	166			61	317
08:00	27		91				118		20:00	23		38				61	
08:15	45		86				131		20:15	24		32				56	
08:30	20		67				87		20:30	21		29				50	
08:45	14	106	26	270			40	376	20:45	17	85	34	133			51	218
09:00	19		36				55		21:00	35		27				62	
09:15	17		23				40		21:15	14		29				43	
09:30	19		24				43		21:30	23		28				51	
09:45	18	73	31	114			49	187	21:45	17	89	11	95			28	184
10:00	12		24				36		22:00	12		10				22	
10:15	18		22				40		22:15	10		9				19	
10:30	13		23				36		22:30	13		8				21	
10:45	20	63	25	94			45	157	22:45	6	41	2	29			8	70
11:00	16		27				43		23:00	3		4				7	
11:15	18		26				44		23:15	4		3				7	
11:30	20		29				49		23:30	9		0				9	
11:45	17	71	30	112			47	183	23:45	5	21	3	10			8	31
TOTALS		592		1045				1637	TOTALS		1459		1668				3127
SPLIT %		36.2%		63.8%				34.4%	SPLIT %		46.7%		53.3%				65.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,051	2,713	0	0	4,764

AM Peak Hour	07:00	07:30			07:30	PM Peak Hour	14:45	14:45			14:45
AM Pk Volume	167	341			479	PM Pk Volume	218	271			489
Pk Hr Factor	0.684	0.937			0.914	Pk Hr Factor	0.790	0.836			0.940
7 - 9 Volume	273	535	0	0	808	4 - 6 Volume	344	341	0	0	685
7 - 9 Peak Hour	07:00	07:30			07:30	4 - 6 Peak Hour	17:00	16:30			17:00
7 - 9 Pk Volume	167	341	0	0	479	4 - 6 Pk Volume	191	178	0	0	366
Pk Hr Factor	0.684	0.937	0.000	0.000	0.914	Pk Hr Factor	0.838	0.742	0.000	0.000	0.906

Prepared by NDS/ATD

VOLUME

Scholar Wy Bet. 68th St & Limonite Ave

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_010

DAILY TOTALS	NB	SB	EB	WB	Total
	1,960	2,709	0	0	4,669

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	3		5				8		12:00	15		15				30	
00:15	4		2				6		12:15	10		24				34	
00:30	2		4				6		12:30	16		25				41	
00:45	1	10	1	12			2	22	12:45	16	57	21	85			37	142
01:00	1		2				3		13:00	22		29				51	
01:15	0		1				1		13:15	30		28				58	
01:30	2		3				5		13:30	33		76				109	
01:45	2	5	1	7			3	12	13:45	43	128	62	195			105	323
02:00	2		1				3		14:00	41		44				85	
02:15	1		1				2		14:15	45		65				110	
02:30	0		3				3		14:30	31		48				79	
02:45	0	3	2	7			2	10	14:45	51	168	30	187			81	355
03:00	0		5				5		15:00	37		65				102	
03:15	1		2				3		15:15	36		50				86	
03:30	2		1				3		15:30	39		44				83	
03:45	3	6	2	10			5	16	15:45	36	148	40	199			76	347
04:00	0		2				2		16:00	19		36				55	
04:15	0		3				3		16:15	32		38				70	
04:30	3		9				12		16:30	30		40				70	
04:45	2	5	7	21			9	26	16:45	38	119	41	155			79	274
05:00	1		7				8		17:00	39		38				77	
05:15	4		8				12		17:15	31		49				80	
05:30	2		6				8		17:30	62		48				110	
05:45	1	8	10	31			11	39	17:45	54	186	34	169			88	355
06:00	10		15				25		18:00	59		46				105	
06:15	8		20				28		18:15	37		47				84	
06:30	15		35				50		18:30	37		44				81	
06:45	11	44	28	98			39	142	18:45	44	177	50	187			94	364
07:00	23		28				51		19:00	47		73				120	
07:15	31		39				70		19:15	33		38				71	
07:30	21		58				79		19:30	37		37				74	
07:45	35	110	70	195			105	305	19:45	32	149	45	193			77	342
08:00	40		87				127		20:00	35		48				83	
08:15	55		84				139		20:15	34		32				66	
08:30	42		68				110		20:30	34		30				64	
08:45	44	181	64	303			108	484	20:45	15	118	18	128			33	246
09:00	17		48				65		21:00	21		36				57	
09:15	29		23				52		21:15	20		33				53	
09:30	16		26				42		21:30	12		16				28	
09:45	11	73	23	120			34	193	21:45	10	63	22	107			32	170
10:00	13		23				36		22:00	10		23				33	
10:15	12		36				48		22:15	14		11				25	
10:30	12		27				39		22:30	8		8				16	
10:45	16	53	32	118			48	171	22:45	7	39	11	53			18	92
11:00	23		41				64		23:00	9		6				15	
11:15	25		29				54		23:15	7		3				10	
11:30	25		22				47		23:30	5		1				6	
11:45	15	88	23	115			38	203	23:45	1	22	4	14			5	36
TOTALS		586		1037				1623	TOTALS		1374		1672				3046
SPLIT %		36.1%		63.9%				34.8%	SPLIT %		45.1%		54.9%				65.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,960	2,709	0	0	4,669

AM Peak Hour	08:00	07:45			08:00	PM Peak Hour	17:30	13:30			13:30
AM Pk Volume	181	309			484	PM Pk Volume	212	247			409
Pk Hr Factor	0.823	0.888			0.871	Pk Hr Factor	0.855	0.813			0.930
7 - 9 Volume	291	498	0	0	789	4 - 6 Volume	305	324	0	0	629
7 - 9 Peak Hour	08:00	07:45			08:00	4 - 6 Peak Hour	17:00	16:45			17:00
7 - 9 Pk Volume	181	309	0	0	484	4 - 6 Pk Volume	186	176	0	0	355
Pk Hr Factor	0.823	0.888	0.000	0.000	0.871	Pk Hr Factor	0.750	0.898	0.000	0.000	0.807

Prepared by NDS/ATD

VOLUME

Scholar Wy Bet. 68th St & Limonite Ave

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_010

DAILY TOTALS	NB	SB	EB	WB	Total
	1,888	2,558	0	0	4,446

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	2		2				4		12:00	22		43				65	
00:15	4		1				5		12:15	19		29				48	
00:30	2		2				4		12:30	16		22				38	
00:45	4	12	2	7			6	19	12:45	21	78	25	119			46	197
01:00	2		1				3		13:00	22		17				39	
01:15	0		0				0		13:15	17		23				40	
01:30	2		1				3		13:30	17		13				30	
01:45	3	7	2	4			5	11	13:45	14	70	20	73			34	143
02:00	1		0				1		14:00	17		22				39	
02:15	1		1				2		14:15	27		31				58	
02:30	0		2				2		14:30	31		60				91	
02:45	0	2	3	6			3	8	14:45	69	144	73	186			142	330
03:00	0		3				3		15:00	67		61				128	
03:15	0		2				2		15:15	43		81				124	
03:30	1		0				1		15:30	48		63				111	
03:45	2	3	3	8			5	11	15:45	46	204	49	254			95	458
04:00	0		0				0		16:00	35		56				91	
04:15	0		3				3		16:15	43		40				83	
04:30	1		12				13		16:30	36		44				80	
04:45	4	5	7	22			11	27	16:45	43	157	39	179			82	336
05:00	1		6				7		17:00	40		28				68	
05:15	3		6				9		17:15	40		43				83	
05:30	5		11				16		17:30	49		50				99	
05:45	5	14	7	30			12	44	17:45	49	178	49	170			98	348
06:00	5		13				18		18:00	37		40				77	
06:15	8		19				27		18:15	37		48				85	
06:30	21		34				55		18:30	32		57				89	
06:45	19	53	36	102			55	155	18:45	35	141	36	181			71	322
07:00	45		45				90		19:00	33		51				84	
07:15	63		52				115		19:15	25		50				75	
07:30	34		88				122		19:30	37		41				78	
07:45	31	173	68	253			99	426	19:45	38	133	31	173			69	306
08:00	28		83				111		20:00	29		29				58	
08:15	39		89				128		20:15	13		25				38	
08:30	23		59				82		20:30	18		17				35	
08:45	19	109	41	272			60	381	20:45	21	81	24	95			45	176
09:00	12		31				43		21:00	32		22				54	
09:15	12		28				40		21:15	22		19				41	
09:30	16		25				41		21:30	11		22				33	
09:45	15	55	22	106			37	161	21:45	17	82	15	78			32	160
10:00	14		21				35		22:00	9		8				17	
10:15	15		32				47		22:15	6		6				12	
10:30	9		21				30		22:30	3		11				14	
10:45	14	52	24	98			38	150	22:45	6	24	5	30			11	54
11:00	17		24				41		23:00	3		5				8	
11:15	26		23				49		23:15	7		4				11	
11:30	19		30				49		23:30	3		5				8	
11:45	31	93	21	98			52	191	23:45	5	18	0	14			5	32
TOTALS		578		1006				1584	TOTALS		1310		1552				2862
SPLIT %		36.5%		63.5%				35.6%	SPLIT %		45.8%		54.2%				64.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	1,888	2,558	0	0	4,446

AM Peak Hour	07:00	07:30			07:30	PM Peak Hour	14:45	14:45			14:45
AM Pk Volume	173	328			460	PM Pk Volume	227	278			505
Pk Hr Factor	0.687	0.921			0.898	Pk Hr Factor	0.822	0.858			0.889
7 - 9 Volume	282	525	0	0	807	4 - 6 Volume	335	349	0	0	684
7 - 9 Peak Hour	07:00	07:30			07:30	4 - 6 Peak Hour	17:00	16:00			17:00
7 - 9 Pk Volume	173	328	0	0	460	4 - 6 Pk Volume	178	179	0	0	348
Pk Hr Factor	0.687	0.921	0.000	0.000	0.898	Pk Hr Factor	0.908	0.799	0.000	0.000	0.879

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Limonite Ave & Bellgrave St

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_009

DAILY TOTALS	NB	SB	EB	WB	Total
	7,510	7,480	0	0	14,990

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	7		17						24		12:00	86		121						207	
00:15	3		9						12		12:15	105		113						218	
00:30	6		13						19		12:30	108		103						211	
00:45	6	22	9	48					15	70	12:45	97	396	99	436					196	832
01:00	8		6						14		13:00	138		106						244	
01:15	3		7						10		13:15	95		75						170	
01:30	3		9						12		13:30	116		84						200	
01:45	11	25	5	27					16	52	13:45	127	476	97	362					224	838
02:00	2		10						12		14:00	96		105						201	
02:15	3		1						4		14:15	105		137						242	
02:30	4		8						12		14:30	117		126						243	
02:45	9	18	4	23					13	41	14:45	123	441	182	550					305	991
03:00	14		9						23		15:00	157		139						296	
03:15	5		6						11		15:15	125		143						268	
03:30	8		9						17		15:30	128		167						295	
03:45	17	44	9	33					26	77	15:45	147	557	216	665					363	1222
04:00	13		7						20		16:00	106		198						304	
04:15	21		10						31		16:15	137		183						320	
04:30	32		12						44		16:30	141		231						372	
04:45	38	104	14	43					52	147	16:45	115	499	220	832					335	1331
05:00	25		12						37		17:00	96		200						296	
05:15	42		26						68		17:15	151		211						362	
05:30	44		26						70		17:30	115		209						324	
05:45	56	167	17	81					73	248	17:45	119	481	184	804					303	1285
06:00	55		27						82		18:00	113		161						274	
06:15	79		38						117		18:15	94		153						247	
06:30	111		43						154		18:30	132		132						264	
06:45	127	372	70	178					197	550	18:45	88	427	117	563					205	990
07:00	154		71						225		19:00	108		125						233	
07:15	171		66						237		19:15	112		130						242	
07:30	184		71						255		19:30	94		112						206	
07:45	167	676	79	287					246	963	19:45	94	408	98	465					192	873
08:00	140		89						229		20:00	77		97						174	
08:15	151		66						217		20:15	103		95						198	
08:30	136		70						206		20:30	86		78						164	
08:45	102	529	63	288					165	817	20:45	100	366	81	351					181	717
09:00	85		66						151		21:00	67		57						124	
09:15	96		65						161		21:15	67		74						141	
09:30	95		76						171		21:30	52		49						101	
09:45	79	355	80	287					159	642	21:45	57	243	44	224					101	467
10:00	49		84						133		22:00	35		42						77	
10:15	77		75						152		22:15	21		38						59	
10:30	98		79						177		22:30	34		44						78	
10:45	90	314	76	314					166	628	22:45	30	120	42	166					72	286
11:00	94		90						184		23:00	17		28						45	
11:15	104		89						193		23:15	10		19						29	
11:30	104		93						197		23:30	19		27						46	
11:45	113	415	85	357					198	772	23:45	9	55	22	96					31	151
TOTALS		3041		1966						5007	TOTALS		4469		5514						9983
SPLIT %		60.7%		39.3%						33.4%	SPLIT %		44.8%		55.2%						66.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	7,510	7,480	0	0	14,990

AM Peak Hour	07:00	11:45			07:15	PM Peak Hour	15:00	16:30			16:30
AM Pk Volume	676	422			967	PM Pk Volume	557	862			1365
Pk Hr Factor	0.918	0.872			0.948	Pk Hr Factor	0.887	0.933			0.917
7 - 9 Volume	1205	575	0	0	1780	4 - 6 Volume	980	1636	0	0	2616
7 - 9 Peak Hour	07:00	07:15			07:15	4 - 6 Peak Hour	16:30	16:30			16:30
7 - 9 Pk Volume	676	305	0	0	967	4 - 6 Pk Volume	503	862	0	0	1365
Pk Hr Factor	0.918	0.857	0.000	0.000	0.948	Pk Hr Factor	0.833	0.933	0.000	0.000	0.917

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Limonite Ave & Bellgrave St

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_009

DAILY TOTALS	NB	SB	EB	WB	Total
	7,660	7,079	0	0	14,739

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	9		18				27		12:00	89		94				183	
00:15	11		13				24		12:15	104		92				196	
00:30	8		12				20		12:30	112		105				217	
00:45	5	33	7	50			12	83	12:45	104	409	96	387			200	796
01:00	3		9				12		13:00	107		107				214	
01:15	2		7				9		13:15	127		102				229	
01:30	2		7				9		13:30	121		105				226	
01:45	6	13	5	28			11	41	13:45	116	471	104	418			220	889
02:00	1		1				2		14:00	132		84				216	
02:15	3		5				8		14:15	130		109				239	
02:30	7		4				11		14:30	130		129				259	
02:45	7	18	3	13			10	31	14:45	100	492	118	440			218	932
03:00	7		3				10		15:00	108		124				232	
03:15	7		6				13		15:15	108		114				222	
03:30	9		2				11		15:30	127		137				264	
03:45	14	37	4	15			18	52	15:45	122	465	135	510			257	975
04:00	13		7				20		16:00	121		152				273	
04:15	22		9				31		16:15	103		201				304	
04:30	34		14				48		16:30	155		178				333	
04:45	39	108	13	43			52	151	16:45	102	481	190	721			292	1202
05:00	30		16				46		17:00	118		225				343	
05:15	39		17				56		17:15	136		191				327	
05:30	43		27				70		17:30	131		208				339	
05:45	47	159	17	77			64	236	17:45	107	492	194	818			301	1310
06:00	47		26				73		18:00	115		160				275	
06:15	83		35				118		18:15	107		150				257	
06:30	103		55				158		18:30	104		124				228	
06:45	152	385	51	167			203	552	18:45	86	412	139	573			225	985
07:00	150		58				208		19:00	93		123				216	
07:15	176		70				246		19:15	93		106				199	
07:30	216		81				297		19:30	117		112				229	
07:45	235	777	112	321			347	1098	19:45	86	389	95	436			181	825
08:00	239		108				347		20:00	71		83				154	
08:15	236		88				324		20:15	87		91				178	
08:30	176		90				266		20:30	78		73				151	
08:45	121	772	70	356			191	1128	20:45	62	298	56	303			118	601
09:00	88		64				152		21:00	61		65				126	
09:15	85		60				145		21:15	71		61				132	
09:30	84		82				166		21:30	54		56				110	
09:45	70	327	66	272			136	599	21:45	45	231	39	221			84	452
10:00	84		69				153		22:00	35		41				76	
10:15	80		74				154		22:15	33		37				70	
10:30	96		84				180		22:30	25		35				60	
10:45	93	353	54	281			147	634	22:45	27	120	27	140			54	260
11:00	93		101				194		23:00	18		19				37	
11:15	78		100				178		23:15	14		25				39	
11:30	85		97				182		23:30	16		37				53	
11:45	102	358	89	387			191	745	23:45	12	60	21	102			33	162
TOTALS		3340		2010				5350	TOTALS		4320		5069				9389
SPLIT %		62.4%		37.6%				36.3%	SPLIT %		46.0%		54.0%				63.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	7,660	7,079	0	0	14,739

AM Peak Hour	07:30	07:45			07:30	PM Peak Hour	16:30	17:00			17:00
AM Pk Volume	926	398			1315	PM Pk Volume	511	818			1310
Pk Hr Factor	0.969	0.888			0.947	Pk Hr Factor	0.824	0.909			0.955
7 - 9 Volume	1549	677	0	0	2226	4 - 6 Volume	973	1539	0	0	2512
7 - 9 Peak Hour	07:30	07:45			07:30	4 - 6 Peak Hour	16:30	17:00			17:00
7 - 9 Pk Volume	926	398	0	0	1315	4 - 6 Pk Volume	511	818	0	0	1310
Pk Hr Factor	0.969	0.888	0.000	0.000	0.947	Pk Hr Factor	0.824	0.909	0.000	0.000	0.955

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Limonite Ave & Bellgrave St

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_009

DAILY TOTALS	NB	SB	EB	WB	Total
	7,394	7,101	0	0	14,495

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	6		12				18		12:00	124		123				247	
00:15	5		17				22		12:15	108		100				208	
00:30	7		12				19		12:30	96		100				196	
00:45	2	20	5	46			7	66	12:45	109	437	97	420			206	857
01:00	8		5				13		13:00	110		97				207	
01:15	3		5				8		13:15	99		111				210	
01:30	4		4				8		13:30	112		103				215	
01:45	5	20	6	20			11	40	13:45	122	443	99	410			221	853
02:00	1		4				5		14:00	123		102				225	
02:15	5		5				10		14:15	117		108				225	
02:30	8		3				11		14:30	103		149				252	
02:45	10	24	4	16			14	40	14:45	98	441	161	520			259	961
03:00	5		4				9		15:00	137		113				250	
03:15	8		6				14		15:15	142		141				283	
03:30	8		5				13		15:30	126		157				283	
03:45	13	34	3	18			16	52	15:45	131	536	154	565			285	1101
04:00	12		8				20		16:00	118		178				296	
04:15	25		3				28		16:15	129		191				320	
04:30	33		7				40		16:30	105		191				296	
04:45	32	102	17	35			49	137	16:45	100	452	198	758			298	1210
05:00	28		14				42		17:00	112		183				295	
05:15	37		23				60		17:15	130		181				311	
05:30	47		19				66		17:30	140		201				341	
05:45	50	162	25	81			75	243	17:45	113	495	201	766			314	1261
06:00	64		29				93		18:00	123		162				285	
06:15	86		34				120		18:15	108		149				257	
06:30	106		51				157		18:30	121		118				239	
06:45	126	382	54	168			180	550	18:45	100	452	120	549			220	1001
07:00	143		54				197		19:00	116		147				263	
07:15	160		60				220		19:15	102		106				208	
07:30	188		62				250		19:30	103		99				202	
07:45	172	663	79	255			251	918	19:45	89	410	90	442			179	852
08:00	168		99				267		20:00	78		95				173	
08:15	155		82				237		20:15	72		74				146	
08:30	130		64				194		20:30	72		66				138	
08:45	134	587	76	321			210	908	20:45	76	298	87	322			163	620
09:00	100		74				174		21:00	66		43				109	
09:15	107		73				180		21:15	51		57				108	
09:30	86		60				146		21:30	43		46				89	
09:45	77	370	57	264			134	634	21:45	35	195	44	190			79	385
10:00	90		76				166		22:00	36		47				83	
10:15	84		82				166		22:15	24		45				69	
10:30	82		61				143		22:30	34		44				78	
10:45	72	328	80	299			152	627	22:45	24	118	30	166			54	284
11:00	97		84				181		23:00	13		27				40	
11:15	95		109				204		23:15	18		12				30	
11:30	81		103				184		23:30	17		19				36	
11:45	95	368	95	391			190	759	23:45	9	57	21	79			30	136
TOTALS		3060		1914				4974	TOTALS		4334		5187				9521
SPLIT %		61.5%		38.5%				34.3%	SPLIT %		45.5%		54.5%				65.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	7,394	7,101	0	0	14,495

AM Peak Hour	07:15	11:15			07:30	PM Peak Hour	15:00	17:00			17:00
AM Pk Volume	688	430			1005	PM Pk Volume	536	766			1261
Pk Hr Factor	0.915	0.874			0.941	Pk Hr Factor	0.944	0.953			0.924
7 - 9 Volume	1250	576	0	0	1826	4 - 6 Volume	947	1524	0	0	2471
7 - 9 Peak Hour	07:15	07:45			07:30	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	688	324	0	0	1005	4 - 6 Pk Volume	495	766	0	0	1261
Pk Hr Factor	0.915	0.818	0.000	0.000	0.941	Pk Hr Factor	0.884	0.953	0.000	0.000	0.924

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. 68th St & Limonite Ave

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_008

DAILY TOTALS	NB	SB	EB	WB	Total
	10,193	8,928	0	0	19,121

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	17		15				32		12:00	146		98				244	
00:15	10		18				28		12:15	144		139				283	
00:30	9		10				19		12:30	144		122				266	
00:45	6	42	3	46			9	88	12:45	141	575	156	515			297	1090
01:00	3		8				11		13:00	116		131				247	
01:15	13		10				23		13:15	136		120				256	
01:30	4		4				8		13:30	160		155				315	
01:45	6	26	7	29			13	55	13:45	153	565	117	523			270	1088
02:00	8		3				11		14:00	157		115				272	
02:15	10		2				12		14:15	163		153				316	
02:30	5		2				7		14:30	155		173				328	
02:45	9	32	3	10			12	42	14:45	160	635	166	607			326	1242
03:00	9		2				11		15:00	234		164				398	
03:15	4		5				9		15:15	206		166				372	
03:30	13		5				18		15:30	221		161				382	
03:45	26	52	4	16			30	68	15:45	133	794	144	635			277	1429
04:00	17		6				23		16:00	158		139				297	
04:15	28		5				33		16:15	149		199				348	
04:30	33		11				44		16:30	177		209				386	
04:45	37	115	17	39			54	154	16:45	148	632	170	717			318	1349
05:00	48		23				71		17:00	161		167				328	
05:15	40		15				55		17:15	167		182				349	
05:30	69		31				100		17:30	176		212				388	
05:45	44	201	22	91			66	292	17:45	153	657	190	751			343	1408
06:00	54		46				100		18:00	202		177				379	
06:15	83		56				139		18:15	177		170				347	
06:30	125		58				183		18:30	188		166				354	
06:45	166	428	68	228			234	656	18:45	151	718	191	704			342	1422
07:00	170		103				273		19:00	161		185				346	
07:15	192		161				353		19:15	167		164				331	
07:30	294		127				421		19:30	120		160				280	
07:45	222	878	110	501			332	1379	19:45	137	585	133	642			270	1227
08:00	167		106				273		20:00	106		141				247	
08:15	189		131				320		20:15	129		113				242	
08:30	186		91				277		20:30	86		118				204	
08:45	155	697	70	398			225	1095	20:45	80	401	119	491			199	892
09:00	146		79				225		21:00	101		136				237	
09:15	145		83				228		21:15	95		91				186	
09:30	117		107				224		21:30	69		99				168	
09:45	108	516	80	349			188	865	21:45	55	320	87	413			142	733
10:00	113		101				214		22:00	56		73				129	
10:15	140		98				238		22:15	45		66				111	
10:30	126		87				213		22:30	38		55				93	
10:45	132	511	105	391			237	902	22:45	28	167	43	237			71	404
11:00	137		106				243		23:00	22		47				69	
11:15	117		103				220		23:15	13		28				41	
11:30	168		119				287		23:30	11		23				34	
11:45	160	582	151	479			311	1061	23:45	18	64	18	116			36	180
TOTALS		4080		2577				6657	TOTALS		6113		6351				12464
SPLIT %		61.3%		38.7%				34.8%	SPLIT %		49.0%		51.0%				65.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	10,193	8,928	0	0	19,121

AM Peak Hour	07:00	11:45			07:00	PM Peak Hour	14:45	17:15			14:45
AM Pk Volume	878	510			1379	PM Pk Volume	821	761			1478
Pk Hr Factor	0.747	0.844			0.819	Pk Hr Factor	0.877	0.897			0.928
7 - 9 Volume	1575	899	0	0	2474	4 - 6 Volume	1289	1468	0	0	2757
7 - 9 Peak Hour	07:00	07:15			07:00	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	878	504	0	0	1379	4 - 6 Pk Volume	657	751	0	0	1408
Pk Hr Factor	0.747	0.783	0.000	0.000	0.819	Pk Hr Factor	0.933	0.886	0.000	0.000	0.907

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. 68th St & Limonite Ave

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_008

DAILY TOTALS	NB	SB	EB	WB	Total
	10,243	9,038	0	0	19,281

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	12		11				23		12:00	138		130				268	
00:15	8		16				24		12:15	153		107				260	
00:30	12		15				27		12:30	122		122				244	
00:45	5	37	13	55			18	92	12:45	141	554	128	487			269	1041
01:00	7		11				18		13:00	118		136				254	
01:15	4		6				10		13:15	145		158				303	
01:30	4		11				15		13:30	154		126				280	
01:45	4	19	10	38			14	57	13:45	144	561	149	569			293	1130
02:00	3		6				9		14:00	193		122				315	
02:15	12		9				21		14:15	184		130				314	
02:30	6		2				8		14:30	155		139				294	
02:45	8	29	10	27			18	56	14:45	132	664	152	543			284	1207
03:00	4		2				6		15:00	232		152				384	
03:15	9		8				17		15:15	166		178				344	
03:30	7		5				12		15:30	182		198				380	
03:45	23	43	6	21			29	64	15:45	153	733	174	702			327	1435
04:00	23		9				32		16:00	150		139				289	
04:15	23		9				32		16:15	156		166				322	
04:30	33		11				44		16:30	179		179				358	
04:45	44	123	14	43			58	166	16:45	141	626	166	650			307	1276
05:00	48		16				64		17:00	162		184				346	
05:15	52		23				75		17:15	183		171				354	
05:30	69		18				87		17:30	168		177				345	
05:45	57	226	24	81			81	307	17:45	156	669	202	734			358	1403
06:00	53		40				93		18:00	178		164				342	
06:15	107		48				155		18:15	165		168				333	
06:30	114		67				181		18:30	157		169				326	
06:45	133	407	80	235			213	642	18:45	152	652	192	693			344	1345
07:00	183		101				284		19:00	192		180				372	
07:15	172		118				290		19:15	145		148				293	
07:30	216		111				327		19:30	111		164				275	
07:45	222	793	128	458			350	1251	19:45	120	568	130	622			250	1190
08:00	289		99				388		20:00	124		146				270	
08:15	208		153				361		20:15	144		137				281	
08:30	229		169				398		20:30	108		141				249	
08:45	223	949	108	529			331	1478	20:45	127	503	124	548			251	1051
09:00	169		96				265		21:00	106		130				236	
09:15	117		89				206		21:15	94		114				208	
09:30	117		102				219		21:30	57		108				165	
09:45	116	519	89	376			205	895	21:45	41	298	78	430			119	728
10:00	122		93				215		22:00	49		68				117	
10:15	111		100				211		22:15	38		70				108	
10:30	123		96				219		22:30	41		55				96	
10:45	149	505	99	388			248	893	22:45	32	160	47	240			79	400
11:00	135		110				245		23:00	25		33				58	
11:15	140		126				266		23:15	13		27				40	
11:30	152		120				272		23:30	20		23				43	
11:45	112	539	118	474			230	1013	23:45	8	66	12	95			20	161
TOTALS		4189		2725				6914	TOTALS		6054		6313				12367
SPLIT %		60.6%		39.4%				35.9%	SPLIT %		49.0%		51.0%				64.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	10,243	9,038	0	0	19,281

AM Peak Hour	08:00	07:45			07:45	PM Peak Hour	15:00	17:00			15:00
AM Pk Volume	949	549			1497	PM Pk Volume	733	734			1435
Pk Hr Factor	0.821	0.812			0.940	Pk Hr Factor	0.790	0.908			0.934
7 - 9 Volume	1742	987	0	0	2729	4 - 6 Volume	1295	1384	0	0	2679
7 - 9 Peak Hour	08:00	07:45			07:45	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	949	549	0	0	1497	4 - 6 Pk Volume	669	734	0	0	1403
Pk Hr Factor	0.821	0.812	0.000	0.000	0.940	Pk Hr Factor	0.914	0.908	0.000	0.000	0.980

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. 68th St & Limonite Ave

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_008

DAILY TOTALS	NB	SB	EB	WB	Total
	9,765	8,879	0	0	18,644

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	16		19				35		12:00	159		115				274	
00:15	15		20				35		12:15	124		131				255	
00:30	7		12				19		12:30	132		111				243	
00:45	9	47	9	60			18	107	12:45	152	567	135	492			287	1059
01:00	7		9				16		13:00	108		129				237	
01:15	5		5				10		13:15	114		132				246	
01:30	4		7				11		13:30	139		142				281	
01:45	6	22	12	33			18	55	13:45	125	486	136	539			261	1025
02:00	8		4				12		14:00	106		129				235	
02:15	4		3				7		14:15	142		132				274	
02:30	7		6				13		14:30	134		160				294	
02:45	12	31	4	17			16	48	14:45	182	564	149	570			331	1134
03:00	10		4				14		15:00	219		177				396	
03:15	13		9				22		15:15	208		191				399	
03:30	13		8				21		15:30	176		174				350	
03:45	20	56	5	26			25	82	15:45	161	764	151	693			312	1457
04:00	15		7				22		16:00	138		152				290	
04:15	22		6				28		16:15	132		174				306	
04:30	32		11				43		16:30	159		198				357	
04:45	40	109	15	39			55	148	16:45	153	582	176	700			329	1282
05:00	47		23				70		17:00	136		175				311	
05:15	60		19				79		17:15	186		195				381	
05:30	58		25				83		17:30	170		196				366	
05:45	47	212	24	91			71	303	17:45	159	651	214	780			373	1431
06:00	63		43				106		18:00	165		185				350	
06:15	72		58				130		18:15	149		176				325	
06:30	113		68				181		18:30	168		173				341	
06:45	159	407	70	239			229	646	18:45	172	654	181	715			353	1369
07:00	159		111				270		19:00	175		164				339	
07:15	189		149				338		19:15	148		152				300	
07:30	254		120				374		19:30	135		156				291	
07:45	220	822	100	480			320	1302	19:45	112	570	123	595			235	1165
08:00	190		92				282		20:00	122		155				277	
08:15	175		122				297		20:15	126		118				244	
08:30	175		106				281		20:30	97		134				231	
08:45	153	693	74	394			227	1087	20:45	94	439	128	535			222	974
09:00	132		75				207		21:00	96		121				217	
09:15	155		82				237		21:15	71		102				173	
09:30	128		95				223		21:30	68		98				166	
09:45	111	526	84	336			195	862	21:45	52	287	81	402			133	689
10:00	139		96				235		22:00	40		70				110	
10:15	123		90				213		22:15	45		61				106	
10:30	129		82				211		22:30	33		49				82	
10:45	125	516	116	384			241	900	22:45	37	155	50	230			87	385
11:00	121		92				213		23:00	21		37				58	
11:15	129		94				223		23:15	25		24				49	
11:30	153		108				261		23:30	14		28				42	
11:45	129	532	131	425			260	957	23:45	13	73	15	104			28	177
TOTALS		3973		2524				6497	TOTALS		5792		6355				12147
SPLIT %		61.2%		38.8%				34.8%	SPLIT %		47.7%		52.3%				65.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	9,765	8,879	0	0	18,644

AM Peak Hour	07:15	11:45			07:15	PM Peak Hour	14:45	17:15			14:45
AM Pk Volume	853	488			1314	PM Pk Volume	785	790			1476
Pk Hr Factor	0.840	0.931			0.878	Pk Hr Factor	0.896	0.923			0.925
7 - 9 Volume	1515	874	0	0	2389	4 - 6 Volume	1233	1480	0	0	2713
7 - 9 Peak Hour	07:15	07:00			07:15	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	853	480	0	0	1314	4 - 6 Pk Volume	651	780	0	0	1431
Pk Hr Factor	0.840	0.805	0.000	0.000	0.878	Pk Hr Factor	0.875	0.911	0.000	0.000	0.939

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Schleisman Rd & 68th St

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_007

DAILY TOTALS	NB	SB	EB	WB	Total
	5,948	5,135	0	0	11,083

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	9		12				21		12:00	97		62				159	
00:15	5		7				12		12:15	98		86				184	
00:30	4		6				10		12:30	95		88				183	
00:45	1	19	6	31			7	50	12:45	82	372	81	317			163	689
01:00	3		4				7		13:00	75		77				152	
01:15	3		6				9		13:15	81		75				156	
01:30	0		6				6		13:30	92		82				174	
01:45	3	9	3	19			6	28	13:45	97	345	62	296			159	641
02:00	3		3				6		14:00	118		68				186	
02:15	3		2				5		14:15	97		80				177	
02:30	4		1				5		14:30	99		101				200	
02:45	3	13	8	14			11	27	14:45	123	437	114	363			237	800
03:00	2		0				2		15:00	194		129				323	
03:15	3		1				4		15:15	159		105				264	
03:30	4		2				6		15:30	156		88				244	
03:45	9	18	5	8			14	26	15:45	118	627	107	429			225	1056
04:00	3		8				11		16:00	103		87				190	
04:15	9		5				14		16:15	112		86				198	
04:30	10		7				17		16:30	125		97				222	
04:45	9	31	13	33			22	64	16:45	109	449	93	363			202	812
05:00	12		6				18		17:00	104		90				194	
05:15	13		17				30		17:15	104		108				212	
05:30	16		11				27		17:30	128		92				220	
05:45	13	54	9	43			22	97	17:45	89	425	131	421			220	846
06:00	19		23				42		18:00	98		86				184	
06:15	25		21				46		18:15	102		84				186	
06:30	56		36				92		18:30	102		102				204	
06:45	69	169	38	118			107	287	18:45	73	375	83	355			156	730
07:00	78		89				167		19:00	111		91				202	
07:15	123		145				268		19:15	85		71				156	
07:30	179		91				270		19:30	70		72				142	
07:45	110	490	84	409			194	899	19:45	69	335	70	304			139	639
08:00	95		73				168		20:00	50		60				110	
08:15	102		64				166		20:15	59		69				128	
08:30	76		63				139		20:30	56		60				116	
08:45	89	362	41	241			130	603	20:45	45	210	55	244			100	454
09:00	78		57				135		21:00	45		55				100	
09:15	78		51				129		21:15	49		60				109	
09:30	63		60				123		21:30	37		42				79	
09:45	51	270	60	228			111	498	21:45	21	152	28	185			49	337
10:00	66		70				136		22:00	21		33				54	
10:15	74		62				136		22:15	25		34				59	
10:30	75		62				137		22:30	10		22				32	
10:45	86	301	79	273			165	574	22:45	17	73	11	100			28	173
11:00	98		75				173		23:00	11		19				30	
11:15	78		63				141		23:15	10		13				23	
11:30	104		76				180		23:30	7		11				18	
11:45	98	378	71	285			169	663	23:45	6	34	13	56			19	90
TOTALS		2114		1702				3816	TOTALS		3834		3433				7267
SPLIT %		55.4%		44.6%				34.4%	SPLIT %		52.8%		47.2%				65.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,948	5,135	0	0	11,083

AM Peak Hour	07:15	07:00			07:15	PM Peak Hour	14:45	14:30			14:45
AM Pk Volume	507	409			900	PM Pk Volume	632	449			1068
Pk Hr Factor	0.708	0.705			0.833	Pk Hr Factor	0.814	0.870			0.827
7 - 9 Volume	852	650	0	0	1502	4 - 6 Volume	874	784	0	0	1658
7 - 9 Peak Hour	07:15	07:00			07:15	4 - 6 Peak Hour	16:15	17:00			17:00
7 - 9 Pk Volume	507	409	0	0	900	4 - 6 Pk Volume	450	421	0	0	846
Pk Hr Factor	0.708	0.705	0.000	0.000	0.833	Pk Hr Factor	0.900	0.803	0.000	0.000	0.961

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Schleisman Rd & 68th St

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_007

DAILY TOTALS	NB	SB	EB	WB	Total
	6,189	5,052	0	0	11,241

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	3		2				5		12:00	100		71				171	
00:15	4		6				10		12:15	103		51				154	
00:30	2		5				7		12:30	88		82				170	
00:45	5	14	5	18			10	32	12:45	100	391	76	280			176	671
01:00	3		6				9		13:00	106		75				181	
01:15	1		1				2		13:15	89		105				194	
01:30	2		4				6		13:30	111		85				196	
01:45	1	7	3	14			4	21	13:45	97	403	85	350			182	753
02:00	0		2				2		14:00	135		112				247	
02:15	6		4				10		14:15	143		88				231	
02:30	3		1				4		14:30	117		105				222	
02:45	2	11	4	11			6	22	14:45	126	521	118	423			244	944
03:00	1		1				2		15:00	194		98				292	
03:15	1		1				2		15:15	132		94				226	
03:30	3		4				7		15:30	143		103				246	
03:45	9	14	5	11			14	25	15:45	131	600	88	383			219	983
04:00	9		1				10		16:00	127		99				226	
04:15	7		5				12		16:15	131		82				213	
04:30	8		9				17		16:30	124		104				228	
04:45	11	35	11	26			22	61	16:45	110	492	93	378			203	870
05:00	17		11				28		17:00	112		104				216	
05:15	12		9				21		17:15	121		94				215	
05:30	14		4				18		17:30	114		100				214	
05:45	15	58	18	42			33	100	17:45	122	469	111	409			233	878
06:00	10		20				30		18:00	121		102				223	
06:15	38		28				66		18:15	103		79				182	
06:30	48		32				80		18:30	81		93				174	
06:45	59	155	47	127			106	282	18:45	80	385	85	359			165	744
07:00	80		57				137		19:00	108		77				185	
07:15	76		53				129		19:15	83		79				162	
07:30	114		50				164		19:30	68		66				134	
07:45	112	382	70	230			182	612	19:45	66	325	64	286			130	611
08:00	131		66				197		20:00	76		71				147	
08:15	101		128				229		20:15	78		77				155	
08:30	122		121				243		20:30	68		57				125	
08:45	152	506	76	391			228	897	20:45	61	283	42	247			103	530
09:00	93		61				154		21:00	50		41				91	
09:15	49		59				108		21:15	45		43				88	
09:30	67		77				144		21:30	27		36				63	
09:45	54	263	57	254			111	517	21:45	28	150	38	158			66	308
10:00	69		56				125		22:00	24		21				45	
10:15	59		59				118		22:15	16		21				37	
10:30	65		50				115		22:30	19		20				39	
10:45	83	276	59	224			142	500	22:45	18	77	14	76			32	153
11:00	83		74				157		23:00	14		17				31	
11:15	89		74				163		23:15	11		19				30	
11:30	95		67				162		23:30	10		13				23	
11:45	65	332	81	296			146	628	23:45	5	40	10	59			15	99
TOTALS		2053		1644				**3697**	**TOTALS**		4136		3408				**7544**
SPLIT %		55.5%		44.5%				**32.9%**	**SPLIT %**		54.8%		45.2%				**67.1%**

DAILY TOTALS	NB	SB	EB	WB	Total
	6,189	5,052	0	0	11,241

AM Peak Hour	08:00	08:00			**08:00**	**PM Peak Hour**	15:00	14:00			**14:45**
AM Pk Volume	506	391			**897**	**PM Pk Volume**	600	423			**1008**
Pk Hr Factor	0.832	0.764			**0.923**	**Pk Hr Factor**	0.773	0.896			**0.863**
7 - 9 Volume	888	621	0	0	**1509**	**4 - 6 Volume**	961	787	0	0	**1748**
7 - 9 Peak Hour	08:00	08:00			**08:00**	**4 - 6 Peak Hour**	16:00	17:00			**17:00**
7 - 9 Pk Volume	506	391	0	0	**897**	**4 - 6 Pk Volume**	492	409	0	0	**878**
Pk Hr Factor	0.832	0.764	0.000	0.000	**0.923**	**Pk Hr Factor**	0.939	0.921	0.000	0.000	**0.942**

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Schleisman Rd & 68th St

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_007

DAILY TOTALS	NB	SB	EB	WB	Total
	6,067	5,044	0	0	11,111

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	8		9				17		12:00	96		77				173	
00:15	5		9				14		12:15	104		76				180	
00:30	5		5				10		12:30	106		81				187	
00:45	4	22	2	25			6	47	12:45	96	402	87	321			183	723
01:00	4		6				10		13:00	81		81				162	
01:15	2		7				9		13:15	81		97				178	
01:30	3		3				6		13:30	90		93				183	
01:45	1	10	2	18			3	28	13:45	98	350	77	348			175	698
02:00	1		1				2		14:00	95		64				159	
02:15	2		1				3		14:15	87		75				162	
02:30	2		4				6		14:30	82		94				176	
02:45	3	8	2	8			5	16	14:45	153	417	100	333			253	750
03:00	2		1				3		15:00	166		119				285	
03:15	6		2				8		15:15	163		95				258	
03:30	5		2				7		15:30	139		86				225	
03:45	5	18	11	16			16	34	15:45	139	607	88	388			227	995
04:00	4		1				5		16:00	102		92				194	
04:15	7		5				12		16:15	96		75				171	
04:30	13		12				25		16:30	100		79				179	
04:45	14	38	8	26			22	64	16:45	101	399	100	346			201	745
05:00	13		14				27		17:00	94		90				184	
05:15	22		10				32		17:15	115		97				212	
05:30	16		10				26		17:30	107		88				195	
05:45	14	65	17	51			31	116	17:45	106	422	96	371			202	793
06:00	17		26				43		18:00	100		93				193	
06:15	32		31				63		18:15	80		87				167	
06:30	47		49				96		18:30	114		81				195	
06:45	62	158	38	144			100	302	18:45	99	393	94	355			193	748
07:00	80		73				153		19:00	104		71				175	
07:15	133		154				287		19:15	88		76				164	
07:30	182		105				287		19:30	83		68				151	
07:45	126	521	73	405			199	926	19:45	75	350	60	275			135	625
08:00	111		73				184		20:00	72		65				137	
08:15	86		68				154		20:15	81		56				137	
08:30	89		67				156		20:30	52		54				106	
08:45	94	380	64	272			158	652	20:45	49	254	58	233			107	487
09:00	91		49				140		21:00	56		49				105	
09:15	75		46				121		21:15	42		54				96	
09:30	59		53				112		21:30	35		43				78	
09:45	85	310	53	201			138	511	21:45	30	163	32	178			62	341
10:00	84		78				162		22:00	20		32				52	
10:15	78		59				137		22:15	25		24				49	
10:30	86		67				153		22:30	9		23				32	
10:45	75	323	90	294			165	617	22:45	19	73	22	101			41	174
11:00	77		69				146		23:00	8		16				24	
11:15	93		60				153		23:15	10		7				17	
11:30	97		77				174		23:30	7		17				24	
11:45	86	353	81	287			167	640	23:45	6	31	8	48			14	79
TOTALS		2206		1747				3953	TOTALS		3861		3297				7158
SPLIT %		55.8%		44.2%				35.6%	SPLIT %		53.9%		46.1%				64.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	6,067	5,044	0	0	11,111

AM Peak Hour	07:15	07:00			07:15	PM Peak Hour	14:45	14:30			14:45
AM Pk Volume	552	405			957	PM Pk Volume	621	408			1021
Pk Hr Factor	0.758	0.657			0.834	Pk Hr Factor	0.935	0.857			0.896
7 - 9 Volume	901	677	0	0	1578	4 - 6 Volume	821	717	0	0	1538
7 - 9 Peak Hour	07:15	07:00			07:15	4 - 6 Peak Hour	17:00	16:45			17:00
7 - 9 Pk Volume	552	405	0	0	957	4 - 6 Pk Volume	422	375	0	0	793
Pk Hr Factor	0.758	0.657	0.000	0.000	0.834	Pk Hr Factor	0.917	0.938	0.000	0.000	0.935

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Citrus St & Schleisman Rd

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_006

DAILY TOTALS	NB	SB	EB	WB	Total
	10,239	9,217	0	0	19,456

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	18		15						33		12:00	150		138						288	
00:15	11		12						23		12:15	142		128						270	
00:30	14		7						21		12:30	145		143						288	
00:45	6	49	12	46					18	95	12:45	126	563	144	553					270	1116
01:00	7		4						11		13:00	121		141						262	
01:15	10		3						13		13:15	135		124						259	
01:30	3		5						8		13:30	136		157						293	
01:45	4	24	5	17					9	41	13:45	146	538	128	550					274	1088
02:00	7		2						9		14:00	168		129						297	
02:15	6		3						9		14:15	156		158						314	
02:30	8		4						12		14:30	173		171						344	
02:45	4	25	4	13					8	38	14:45	187	684	182	640					369	1324
03:00	3		4						7		15:00	262		177						439	
03:15	2		3						5		15:15	231		178						409	
03:30	7		6						13		15:30	192		179						371	
03:45	12	24	13	26					25	50	15:45	174	859	154	688					328	1547
04:00	9		20						29		16:00	160		180						340	
04:15	10		20						30		16:15	194		150						344	
04:30	16		26						42		16:30	185		184						369	
04:45	15	50	23	89					38	139	16:45	202	741	176	690					378	1431
05:00	24		23						47		17:00	175		153						328	
05:15	26		32						58		17:15	217		182						399	
05:30	44		29						73		17:30	205		221						426	
05:45	42	136	36	120					78	256	17:45	180	777	201	757					381	1534
06:00	45		58						103		18:00	206		179						385	
06:15	71		61						132		18:15	173		159						332	
06:30	124		95						219		18:30	175		145						320	
06:45	137	377	129	343					266	720	18:45	153	707	139	622					292	1329
07:00	176		192						368		19:00	194		124						318	
07:15	231		241						472		19:15	154		94						248	
07:30	263		220						483		19:30	147		104						251	
07:45	173	843	169	822					342	1665	19:45	131	626	93	415					224	1041
08:00	175		147						322		20:00	139		90						229	
08:15	147		158						305		20:15	148		83						231	
08:30	141		141						282		20:30	101		72						173	
08:45	149	612	133	579					282	1191	20:45	90	478	74	319					164	797
09:00	132		142						274		21:00	100		51						151	
09:15	128		121						249		21:15	96		71						167	
09:30	121		130						251		21:30	68		48						116	
09:45	84	465	142	535					226	1000	21:45	62	326	36	206					98	532
10:00	118		125						243		22:00	51		45						96	
10:15	98		118						216		22:15	51		31						82	
10:30	117		127						244		22:30	30		25						55	
10:45	134	467	124	494					258	961	22:45	25	157	23	124					48	281
11:00	155		123						278		23:00	39		19						58	
11:15	131		126						257		23:15	21		19						40	
11:30	185		129						314		23:30	16		12						28	
11:45	150	621	132	510					282	1131	23:45	14	90	9	59					23	149
TOTALS		3693		3594						7287	TOTALS		6546		5623						12169
SPLIT %		50.7%		49.3%						37.5%	SPLIT %		53.8%		46.2%						62.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	10,239	9,217	0	0	19,456

AM Peak Hour	07:00	07:00			07:00	PM Peak Hour	14:45	17:15			17:15
AM Pk Volume	843	822			1665	PM Pk Volume	872	783			1591
Pk Hr Factor	0.801	0.853			0.862	Pk Hr Factor	0.832	0.886			0.934
7 - 9 Volume	1455	1401	0	0	2856	4 - 6 Volume	1518	1447	0	0	2965
7 - 9 Peak Hour	07:00	07:00			07:00	4 - 6 Peak Hour	16:45	17:00			17:00
7 - 9 Pk Volume	843	822	0	0	1665	4 - 6 Pk Volume	799	757	0	0	1534
Pk Hr Factor	0.801	0.853	0.000	0.000	0.862	Pk Hr Factor	0.921	0.856	0.000	0.000	0.900

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Citrus St & Schleisman Rd

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_006

DAILY TOTALS	NB	SB	EB	WB	Total
	10,566	9,062	0	0	19,628

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	11		5				16		12:00	132		129				261	
00:15	7		10				17		12:15	152		121				273	
00:30	8		8				16		12:30	146		127				273	
00:45	12	38	8	31			20	69	12:45	142	572	130	507			272	1079
01:00	5		5				10		13:00	139		126				265	
01:15	2		4				6		13:15	161		139				300	
01:30	7		6				13		13:30	164		141				305	
01:45	5	19	6	21			11	40	13:45	133	597	142	548			275	1145
02:00	3		6				9		14:00	175		181				356	
02:15	10		4				14		14:15	183		154				337	
02:30	7		1				8		14:30	159		173				332	
02:45	1	21	7	18			8	39	14:45	205	722	177	685			382	1407
03:00	5		5				10		15:00	241		156				397	
03:15	5		9				14		15:15	195		167				362	
03:30	3		9				12		15:30	207		170				377	
03:45	12	25	15	38			27	63	15:45	183	826	156	649			339	1475
04:00	12		15				27		16:00	179		188				367	
04:15	10		20				30		16:15	204		154				358	
04:30	13		22				35		16:30	191		162				353	
04:45	26	61	23	80			49	141	16:45	173	747	192	696			365	1443
05:00	23		24				47		17:00	201		197				398	
05:15	29		31				60		17:15	209		182				391	
05:30	41		35				76		17:30	224		201				425	
05:45	36	129	43	133			79	262	17:45	192	826	213	793			405	1619
06:00	49		45				94		18:00	233		170				403	
06:15	89		64				153		18:15	186		138				324	
06:30	88		91				179		18:30	149		158				307	
06:45	119	345	123	323			242	668	18:45	171	739	156	622			327	1361
07:00	167		141				308		19:00	227		131				358	
07:15	172		150				322		19:15	150		102				252	
07:30	226		159				385		19:30	133		82				215	
07:45	239	804	147	597			386	1401	19:45	125	635	82	397			207	1032
08:00	241		154				395		20:00	162		90				252	
08:15	163		213				376		20:15	144		94				238	
08:30	207		253				460		20:30	132		78				210	
08:45	244	855	156	776			400	1631	20:45	126	564	70	332			196	896
09:00	157		119				276		21:00	110		56				166	
09:15	93		122				215		21:15	119		50				169	
09:30	106		129				235		21:30	73		45				118	
09:45	100	456	110	480			210	936	21:45	49	351	44	195			93	546
10:00	109		118				227		22:00	48		30				78	
10:15	91		116				207		22:15	45		28				73	
10:30	118		111				229		22:30	44		22				66	
10:45	127	445	111	456			238	901	22:45	33	170	22	102			55	272
11:00	127		111				238		23:00	29		20				49	
11:15	143		148				291		23:15	20		10				30	
11:30	140		131				271		23:30	18		12				30	
11:45	122	532	136	526			258	1058	23:45	20	87	15	57			35	144
TOTALS		3730		3479				7209	TOTALS		6836		5583				12419
SPLIT %		51.7%		48.3%				36.7%	SPLIT %		55.0%		45.0%				63.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	10,566	9,062	0	0	19,628

AM Peak Hour	07:15	08:00			08:00	PM Peak Hour	17:15	17:00			17:15
AM Pk Volume	878	776			1631	PM Pk Volume	858	793			1624
Pk Hr Factor	0.911	0.767			0.886	Pk Hr Factor	0.921	0.931			0.955
7 - 9 Volume	1659	1373	0	0	3032	4 - 6 Volume	1573	1489	0	0	3062
7 - 9 Peak Hour	07:15	08:00			08:00	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	878	776	0	0	1631	4 - 6 Pk Volume	826	793	0	0	1619
Pk Hr Factor	0.911	0.767	0.000	0.000	0.886	Pk Hr Factor	0.922	0.931	0.000	0.000	0.952

Prepared by NDS/ATD

VOLUME

Miliken Ave/Hamner Ave Bet. Citrus St & Schleisman Rd

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_006

DAILY TOTALS	NB	SB	EB	WB	Total
	10,162	9,026	0	0	19,188

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	13		10				23		12:00	156		124				280	
00:15	12		7				19		12:15	148		138				286	
00:30	12		8				20		12:30	164		135				299	
00:45	10	47	4	29			14	76	12:45	127	595	122	519			249	1114
01:00	7		7				14		13:00	131		144				275	
01:15	6		4				10		13:15	122		123				245	
01:30	3		5				8		13:30	135		163				298	
01:45	3	19	3	19			6	38	13:45	130	518	129	559			259	1077
02:00	3		5				8		14:00	170		122				292	
02:15	8		4				12		14:15	125		140				265	
02:30	5		5				10		14:30	140		141				281	
02:45	7	23	3	17			10	40	14:45	226	661	175	578			401	1239
03:00	5		0				5		15:00	228		181				409	
03:15	5		5				10		15:15	196		147				343	
03:30	7		6				13		15:30	219		183				402	
03:45	5	22	14	25			19	47	15:45	207	850	150	661			357	1511
04:00	9		12				21		16:00	188		161				349	
04:15	9		18				27		16:15	172		163				335	
04:30	19		30				49		16:30	174		181				355	
04:45	22	59	19	79			41	138	16:45	173	707	157	662			330	1369
05:00	21		27				48		17:00	165		158				323	
05:15	39		27				66		17:15	200		171				371	
05:30	39		37				76		17:30	210		185				395	
05:45	35	134	41	132			76	266	17:45	192	767	174	688			366	1455
06:00	57		56				113		18:00	193		170				363	
06:15	75		62				137		18:15	176		141				317	
06:30	97		103				200		18:30	193		139				332	
06:45	126	355	113	334			239	689	18:45	177	739	162	612			339	1351
07:00	156		168				324		19:00	194		115				309	
07:15	211		256				467		19:15	151		109				260	
07:30	264		231				495		19:30	128		95				223	
07:45	218	849	163	818			381	1667	19:45	113	586	77	396			190	982
08:00	177		153				330		20:00	119		70				189	
08:15	147		155				302		20:15	149		80				229	
08:30	147		163				310		20:30	134		79				213	
08:45	170	641	138	609			308	1250	20:45	95	497	65	294			160	791
09:00	132		141				273		21:00	100		64				164	
09:15	141		127				268		21:15	80		56				136	
09:30	117		129				246		21:30	75		49				124	
09:45	111	501	138	535			249	1036	21:45	63	318	36	205			99	523
10:00	117		141				258		22:00	34		38				72	
10:15	117		122				239		22:15	34		29				63	
10:30	122		124				246		22:30	16		32				48	
10:45	130	486	151	538			281	1024	22:45	23	107	16	115			39	222
11:00	131		139				270		23:00	28		16				44	
11:15	158		129				287		23:15	20		11				31	
11:30	160		126				286		23:30	14		14				28	
11:45	151	600	158	552			309	1152	23:45	19	81	9	50			28	131
TOTALS		3736		3687				7423	TOTALS		6426		5339				11765
SPLIT %		50.3%		49.7%				38.7%	SPLIT %		54.6%		45.4%				61.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	10,162	9,026	0	0	19,188

AM Peak Hour	07:15	07:00			07:15	PM Peak Hour	14:45	17:15			14:45
AM Pk Volume	870	818			1673	PM Pk Volume	869	700			1555
Pk Hr Factor	0.824	0.799			0.845	Pk Hr Factor	0.953	0.946			0.950
7 - 9 Volume	1490	1427	0	0	2917	4 - 6 Volume	1474	1350	0	0	2824
7 - 9 Peak Hour	07:15	07:00			07:15	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	870	818	0	0	1673	4 - 6 Pk Volume	767	688	0	0	1455
Pk Hr Factor	0.824	0.799	0.000	0.000	0.845	Pk Hr Factor	0.913	0.930	0.000	0.000	0.921

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. I-15 Entrance/Exit Ramps & Wineville Ave

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_005

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	15,282	17,182	32,464

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			37		17		54		12:00			206		226		432	
00:15			44		19		63		12:15			199		249		448	
00:30			27		13		40		12:30			245		261		506	
00:45			24	132	11	60	35	192	12:45			236	886	251	987	487	1873
01:00			22		15		37		13:00			236		246		482	
01:15			23		8		31		13:15			237		260		497	
01:30			20		18		38		13:30			242		230		472	
01:45			20	85	12	53	32	138	13:45			270	985	262	998	532	1983
02:00			9		9		18		14:00			263		243		506	
02:15			18		9		27		14:15			271		272		543	
02:30			18		19		37		14:30			238		268		506	
02:45			14	59	17	54	31	113	14:45			276	1048	198	981	474	2029
03:00			16		16		32		15:00			283		270		553	
03:15			13		27		40		15:15			299		246		545	
03:30			24		50		74		15:30			255		286		541	
03:45			15	68	61	154	76	222	15:45			277	1114	260	1062	537	2176
04:00			26		75		101		16:00			296		230		526	
04:15			31		118		149		16:15			264		274		538	
04:30			43		174		217		16:30			292		285		577	
04:45			43	143	201	568	244	711	16:45			303	1155	272	1061	575	2216
05:00			38		176		214		17:00			291		252		543	
05:15			46		240		286		17:15			310		260		570	
05:30			47		254		301		17:30			282		252		534	
05:45			82	213	182	852	264	1065	17:45			276	1159	224	988	500	2147
06:00			98		232		330		18:00			297		276		573	
06:15			99		241		340		18:15			268		252		520	
06:30			115		226		341		18:30			265		279		544	
06:45			145	457	265	964	410	1421	18:45			247	1077	223	1030	470	2107
07:00			144		268		412		19:00			241		199		440	
07:15			171		308		479		19:15			227		236		463	
07:30			184		285		469		19:30			217		203		420	
07:45			174	673	267	1128	441	1801	19:45			221	906	186	824	407	1730
08:00			159		240		399		20:00			216		229		445	
08:15			185		252		437		20:15			211		197		408	
08:30			192		273		465		20:30			190		156		346	
08:45			165	701	221	986	386	1687	20:45			207	824	147	729	354	1553
09:00			149		215		364		21:00			214		120		334	
09:15			169		243		412		21:15			157		116		273	
09:30			174		218		392		21:30			172		127		299	
09:45			162	654	222	898	384	1552	21:45			144	687	108	471	252	1158
10:00			174		239		413		22:00			118		104		222	
10:15			182		209		391		22:15			111		74		185	
10:30			204		249		453		22:30			100		70		170	
10:45			209	769	245	942	454	1711	22:45			116	445	49	297	165	742
11:00			200		236		436		23:00			79		43		122	
11:15			200		249		449		23:15			56		35		91	
11:30			194		241		435		23:30			51		35		86	
11:45			227	821	231	957	458	1778	23:45			35	221	25	138	60	359
TOTALS				4775		7616		12391	TOTALS				10507		9566		20073
SPLIT %				38.5%		61.5%		38.2%	SPLIT %				52.3%		47.7%		61.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	15,282	17,182	32,464

AM Peak Hour			11:45	07:00	11:45	PM Peak Hour			16:30	16:15	16:30
AM Pk Volume			877	1128	1844	PM Pk Volume			1196	1083	2265
Pk Hr Factor			0.895	0.916	0.911	Pk Hr Factor			0.965	0.950	0.981
7 - 9 Volume	0	0	1374	2114	3488	4 - 6 Volume	0	0	2314	2049	4363
7 - 9 Peak Hour			07:45	07:00	07:00	4 - 6 Peak Hour			16:30	16:15	16:30
7 - 9 Pk Volume	0	0	710	1128	1801	4 - 6 Pk Volume	0	0	1196	1083	2265
Pk Hr Factor	0.000	0.000	0.924	0.916	0.940	Pk Hr Factor	0.000	0.000	0.965	0.950	0.981

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. I-15 Entrance/Exit Ramps & Wineville Ave

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_005

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	15,277	16,608	31,885

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			25		14		39		12:00			201		252		453	
00:15			35		12		47		12:15			244		235		479	
00:30			29		16		45		12:30			210		245		455	
00:45			25	114	8	50	33	164	12:45			233	888	246	978	479	1866
01:00			23		15		38		13:00			247		277		524	
01:15			25		6		31		13:15			243		282		525	
01:30			14		18		32		13:30			222		253		475	
01:45			15	77	8	47	23	124	13:45			239	951	237	1049	476	2000
02:00			10		15		25		14:00			280		231		511	
02:15			14		6		20		14:15			241		263		504	
02:30			17		17		34		14:30			238		222		460	
02:45			14	55	20	58	34	113	14:45			275	1034	228	944	503	1978
03:00			18		20		38		15:00			268		257		525	
03:15			14		26		40		15:15			256		265		521	
03:30			15		47		62		15:30			290		294		584	
03:45			17	64	59	152	76	216	15:45			271	1085	253	1069	524	2154
04:00			15		81		96		16:00			306		257		563	
04:15			26		109		135		16:15			299		253		552	
04:30			36		179		215		16:30			300		199		499	
04:45			35	112	169	538	204	650	16:45			289	1194	254	963	543	2157
05:00			40		198		238		17:00			272		261		533	
05:15			52		209		261		17:15			317		259		576	
05:30			45		224		269		17:30			273		271		544	
05:45			74	211	224	855	298	1066	17:45			325	1187	260	1051	585	2238
06:00			100		200		300		18:00			316		253		569	
06:15			104		237		341		18:15			296		253		549	
06:30			120		248		368		18:30			283		227		510	
06:45			123	447	258	943	381	1390	18:45			235	1130	216	949	451	2079
07:00			171		269		440		19:00			232		241		473	
07:15			168		314		482		19:15			224		201		425	
07:30			257		285		542		19:30			199		182		381	
07:45			209	805	241	1109	450	1914	19:45			226	881	188	812	414	1693
08:00			219		261		480		20:00			205		215		420	
08:15			176		265		441		20:15			190		174		364	
08:30			157		245		402		20:30			207		147		354	
08:45			188	740	212	983	400	1723	20:45			224	826	128	664	352	1490
09:00			166		219		385		21:00			187		124		311	
09:15			152		195		347		21:15			191		127		318	
09:30			187		207		394		21:30			148		93		241	
09:45			170	675	213	834	383	1509	21:45			123	649	89	433	212	1082
10:00			161		228		389		22:00			141		69		210	
10:15			182		218		400		22:15			104		60		164	
10:30			193		219		412		22:30			87		50		137	
10:45			195	731	189	854	384	1585	22:45			100	432	39	218	139	650
11:00			165		234		399		23:00			75		49		124	
11:15			201		214		415		23:15			61		36		97	
11:30			184		219		403		23:30			54		32		86	
11:45			199	749	244	911	443	1660	23:45			50	240	27	144	77	384
TOTALS				4780		7334		12114	TOTALS				10497		9274		19771
SPLIT %				39.5%		60.5%		38.0%	SPLIT %				53.1%		46.9%		62.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	15,277	16,608	31,885

AM Peak Hour			07:30	06:45	07:15	PM Peak Hour			17:15	15:00	17:15
AM Pk Volume			861	1126	1954	PM Pk Volume			1231	1069	2274
Pk Hr Factor			0.838	0.896	0.901	Pk Hr Factor			0.947	0.909	0.972
7 - 9 Volume	0	0	1545	2092	3637	4 - 6 Volume	0	0	2381	2014	4395
7 - 9 Peak Hour			07:30	07:00	07:15	4 - 6 Peak Hour			16:00	17:00	17:00
7 - 9 Pk Volume	0	0	861	1109	1954	4 - 6 Pk Volume	0	0	1194	1051	2238
Pk Hr Factor	0.000	0.000	0.838	0.883	0.901	Pk Hr Factor	0.000	0.000	0.975	0.970	0.956

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. I-15 Entrance/Exit Ramps & Wineville Ave

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_005

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,700	16,629	31,329

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			39		18		57		12:00			209		220		429	
00:15			29		9		38		12:15			196		235		431	
00:30			22		17		39		12:30			225		217		442	
00:45			26	116	10	54	36	170	12:45			205	835	245	917	450	1752
01:00			22		8		30		13:00			237		211		448	
01:15			16		9		25		13:15			232		243		475	
01:30			21		10		31		13:30			242		231		473	
01:45			24	83	11	38	35	121	13:45			229	940	258	943	487	1883
02:00			13		14		27		14:00			232		249		481	
02:15			17		13		30		14:15			240		295		535	
02:30			8		21		29		14:30			211		261		472	
02:45			15	53	15	63	30	116	14:45			296	979	276	1081	572	2060
03:00			9		14		23		15:00			254		244		498	
03:15			19		32		51		15:15			273		281		554	
03:30			18		41		59		15:30			263		274		537	
03:45			11	57	67	154	78	211	15:45			314	1104	267	1066	581	2170
04:00			12		71		83		16:00			302		276		578	
04:15			27		134		161		16:15			289		237		526	
04:30			29		192		221		16:30			313		243		556	
04:45			45	113	195	592	240	705	16:45			279	1183	261	1017	540	2200
05:00			53		200		253		17:00			234		285		519	
05:15			59		208		267		17:15			318		307		625	
05:30			64		245		309		17:30			305		266		571	
05:45			81	257	236	889	317	1146	17:45			312	1169	253	1111	565	2280
06:00			73		205		278		18:00			318		252		570	
06:15			110		260		370		18:15			285		237		522	
06:30			107		267		374		18:30			266		263		529	
06:45			147	437	257	989	404	1426	18:45			244	1113	242	994	486	2107
07:00			145		260		405		19:00			257		215		472	
07:15			194		311		505		19:15			214		211		425	
07:30			175		273		448		19:30			227		206		433	
07:45			182	696	242	1086	424	1782	19:45			243	941	193	825	436	1766
08:00			166		214		380		20:00			206		203		409	
08:15			158		234		392		20:15			195		173		368	
08:30			149		237		386		20:30			208		145		353	
08:45			168	641	187	872	355	1513	20:45			199	808	107	628	306	1436
09:00			158		231		389		21:00			188		138		326	
09:15			142		211		353		21:15			164		103		267	
09:30			153		208		361		21:30			144		90		234	
09:45			136	589	211	861	347	1450	21:45			122	618	88	419	210	1037
10:00			172		215		387		22:00			108		61		169	
10:15			179		185		364		22:15			98		77		175	
10:30			149		227		376		22:30			83		49		132	
10:45			179	679	207	834	386	1513	22:45			82	371	37	224	119	595
11:00			156		206		362		23:00			80		44		124	
11:15			181		208		389		23:15			65		33		98	
11:30			174		191		365		23:30			60		27		87	
11:45			165	676	239	844	404	1520	23:45			37	242	24	128	61	370
TOTALS				4397		7276		11673	TOTALS				10303		9353		19656
SPLIT %				37.7%		62.3%		37.3%	SPLIT %				52.4%		47.6%		62.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,700	16,629	31,329

AM Peak Hour			11:45	06:45	07:00	PM Peak Hour			17:15	16:45	17:15
AM Pk Volume			795	1101	1782	PM Pk Volume			1253	1119	2331
Pk Hr Factor			0.883	0.885	0.882	Pk Hr Factor			0.985	0.911	0.932
7 - 9 Volume	0	0	1337	1958	3295	4 - 6 Volume	0	0	2352	2128	4480
7 - 9 Peak Hour			07:15	07:00	07:00	4 - 6 Peak Hour			16:00	16:45	17:00
7 - 9 Pk Volume	0	0	717	1086	1782	4 - 6 Pk Volume	0	0	1183	1119	2280
Pk Hr Factor	0.000	0.000	0.924	0.873	0.882	Pk Hr Factor	0.000	0.000	0.945	0.911	0.912

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Hamner Ave & I-15 Entrance/Exit Ramps

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_004

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	22,246	19,709	41,955

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			58		48		106		12:00			349		284		633	
00:15			68		58		126		12:15			320		280		600	
00:30			38		35		73		12:30			337		298		635	
00:45			40	204	33	174	73	378	12:45			331	1337	272	1134	603	2471
01:00			31		43		74		13:00			360		274		634	
01:15			34		22		56		13:15			366		305		671	
01:30			29		29		58		13:30			380		296		676	
01:45			13	107	29	123	42	230	13:45			372	1478	250	1125	622	2603
02:00			24		27		51		14:00			377		264		641	
02:15			24		23		47		14:15			372		288		660	
02:30			20		24		44		14:30			377		276		653	
02:45			29	97	25	99	54	196	14:45			349	1475	302	1130	651	2605
03:00			29		16		45		15:00			399		300		699	
03:15			37		30		67		15:15			384		288		672	
03:30			42		37		79		15:30			353		239		592	
03:45			46	154	51	134	97	288	15:45			360	1496	278	1105	638	2601
04:00			64		40		104		16:00			387		244		631	
04:15			68		47		115		16:15			356		273		629	
04:30			101		90		191		16:30			351		250		601	
04:45			100	333	116	293	216	626	16:45			321	1415	288	1055	609	2470
05:00			101		148		249		17:00			317		328		645	
05:15			115		220		335		17:15			349		332		681	
05:30			165		252		417		17:30			373		350		723	
05:45			153	534	212	832	365	1366	17:45			332	1371	312	1322	644	2693
06:00			177		254		431		18:00			333		359		692	
06:15			260		260		520		18:15			311		302		613	
06:30			283		266		549		18:30			341		320		661	
06:45			246	966	234	1014	480	1980	18:45			307	1292	301	1282	608	2574
07:00			331		272		603		19:00			298		284		582	
07:15			387		235		622		19:15			327		318		645	
07:30			355		226		581		19:30			284		280		564	
07:45			290	1363	228	961	518	2324	19:45			270	1179	281	1163	551	2342
08:00			280		239		519		20:00			249		276		525	
08:15			325		266		591		20:15			270		301		571	
08:30			332		240		572		20:30			248		246		494	
08:45			293	1230	259	1004	552	2234	20:45			198	965	248	1071	446	2036
09:00			279		231		510		21:00			255		236		491	
09:15			308		226		534		21:15			199		215		414	
09:30			292		222		514		21:30			216		239		455	
09:45			283	1162	236	915	519	2077	21:45			193	863	203	893	396	1756
10:00			270		213		483		22:00			179		172		351	
10:15			299		235		534		22:15			126		157		283	
10:30			319		229		548		22:30			104		128		232	
10:45			295	1183	262	939	557	2122	22:45			100	509	110	567	210	1076
11:00			294		253		547		23:00			117		117		234	
11:15			294		245		539		23:15			75		83		158	
11:30			333		259		592		23:30			58		72		130	
11:45			289	1210	287	1044	576	2254	23:45			73	323	58	330	131	653
TOTALS				8543		7532		16075	TOTALS				13703		12177		25880
SPLIT %				53.1%		46.9%		38.3%	SPLIT %				52.9%		47.1%		61.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	22,246	19,709	41,955

AM Peak Hour			07:00	11:45	11:45	PM Peak Hour			14:30	17:15	17:15
AM Pk Volume			1363	1149	2444	PM Pk Volume			1509	1353	2740
Pk Hr Factor			0.880	0.964	0.962	Pk Hr Factor			0.945	0.942	0.947
7 - 9 Volume	0	0	2593	1965	4558	4 - 6 Volume	0	0	2786	2377	5163
7 - 9 Peak Hour			07:00	08:00	07:00	4 - 6 Peak Hour			16:00	17:00	17:00
7 - 9 Pk Volume	0	0	1363	1004	2324	4 - 6 Pk Volume	0	0	1415	1322	2693
Pk Hr Factor	0.000	0.000	0.880	0.944	0.934	Pk Hr Factor	0.000	0.000	0.914	0.944	0.931

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Hamner Ave & I-15 Entrance/Exit Ramps

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_004

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	22,394	19,828	42,222

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			56		60		116		12:00			359		282		641	
00:15			41		42		83		12:15			348		298		646	
00:30			34		44		78		12:30			321		251		572	
00:45			47	178	42	188	89	366	12:45			343	1371	316	1147	659	2518
01:00			34		40		74		13:00			329		313		642	
01:15			28		19		47		13:15			338		310		648	
01:30			31		21		52		13:30			345		330		675	
01:45			20	113	26	106	46	219	13:45			340	1352	281	1234	621	2586
02:00			27		26		53		14:00			383		246		629	
02:15			23		32		55		14:15			407		284		691	
02:30			31		20		51		14:30			368		263		631	
02:45			23	104	28	106	51	210	14:45			385	1543	279	1072	664	2615
03:00			36		33		69		15:00			336		275		611	
03:15			31		25		56		15:15			394		308		702	
03:30			31		31		62		15:30			364		278		642	
03:45			56	154	53	142	109	296	15:45			387	1481	293	1154	680	2635
04:00			74		62		136		16:00			378		290		668	
04:15			82		54		136		16:15			367		281		648	
04:30			98		109		207		16:30			338		257		595	
04:45			96	350	115	340	211	690	16:45			324	1407	273	1101	597	2508
05:00			131		184		315		17:00			325		319		644	
05:15			128		205		333		17:15			371		305		676	
05:30			164		256		420		17:30			348		302		650	
05:45			139	562	238	883	377	1445	17:45			347	1391	337	1263	684	2654
06:00			181		233		414		18:00			323		365		688	
06:15			243		275		518		18:15			331		353		684	
06:30			300		285		585		18:30			337		302		639	
06:45			279	1003	256	1049	535	2052	18:45			305	1296	306	1326	611	2622
07:00			333		225		558		19:00			303		278		581	
07:15			348		235		583		19:15			299		288		587	
07:30			369		235		604		19:30			290		264		554	
07:45			288	1338	250	945	538	2283	19:45			277	1169	268	1098	545	2267
08:00			284		255		539		20:00			279		247		526	
08:15			276		282		558		20:15			262		287		549	
08:30			308		263		571		20:30			271		237		508	
08:45			322	1190	284	1084	606	2274	20:45			234	1046	221	992	455	2038
09:00			309		235		544		21:00			233		232		465	
09:15			269		260		529		21:15			257		229		486	
09:30			284		233		517		21:30			211		201		412	
09:45			288	1150	229	957	517	2107	21:45			167	868	161	823	328	1691
10:00			271		221		492		22:00			199		154		353	
10:15			297		243		540		22:15			180		115		295	
10:30			299		238		537		22:30			130		132		262	
10:45			291	1158	239	941	530	2099	22:45			124	633	97	498	221	1131
11:00			283		251		534		23:00			96		93		189	
11:15			313		266		579		23:15			76		72		148	
11:30			323		234		557		23:30			91		95		186	
11:45			284	1203	316	1067	600	2270	23:45			71	334	52	312	123	646
TOTALS				8503		7808		16311	TOTALS				13891		12020		25911
SPLIT %				52.1%		47.9%		38.6%	SPLIT %				53.6%		46.4%		61.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	22,394	19,828	42,222

AM Peak Hour			07:00	11:45	11:45	PM Peak Hour			14:00	17:30	17:30
AM Pk Volume			1338	1147	2459	PM Pk Volume			1543	1357	2706
Pk Hr Factor			0.907	0.907	0.952	Pk Hr Factor			0.948	0.929	0.983
7 - 9 Volume	0	0	2528	2029	4557	4 - 6 Volume	0	0	2798	2364	5162
7 - 9 Peak Hour			07:00	08:00	07:00	4 - 6 Peak Hour			16:00	17:00	17:00
7 - 9 Pk Volume	0	0	1338	1084	2283	4 - 6 Pk Volume	0	0	1407	1263	2654
Pk Hr Factor	0.000	0.000	0.907	0.954	0.945	Pk Hr Factor	0.000	0.000	0.931	0.937	0.970

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Hamner Ave & I-15 Entrance/Exit Ramps

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_004

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	21,559	19,496	41,055

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			59		44		103		12:00			295		276		571	
00:15			50		49		99		12:15			328		261		589	
00:30			42		40		82		12:30			330		253		583	
00:45			40	191	40	173	80	364	12:45			300	1253	268	1058	568	2311
01:00			38		27		65		13:00			347		268		615	
01:15			27		22		49		13:15			338		281		619	
01:30			29		29		58		13:30			334		245		579	
01:45			20	114	27	105	47	219	13:45			316	1335	301	1095	617	2430
02:00			23		21		44		14:00			334		274		608	
02:15			20		21		41		14:15			387		297		684	
02:30			14		23		37		14:30			325		274		599	
02:45			28	85	29	94	57	179	14:45			374	1420	302	1147	676	2567
03:00			16		20		36		15:00			385		324		709	
03:15			39		29		68		15:15			364		330		694	
03:30			37		32		69		15:30			383		298		681	
03:45			43	135	51	132	94	267	15:45			365	1497	293	1245	658	2742
04:00			45		51		96		16:00			367		306		673	
04:15			77		45		122		16:15			341		319		660	
04:30			109		90		199		16:30			362		279		641	
04:45			87	318	133	319	220	637	16:45			296	1366	282	1186	578	2552
05:00			114		156		270		17:00			335		322		657	
05:15			122		212		334		17:15			384		347		731	
05:30			171		235		406		17:30			348		328		676	
05:45			151	558	231	834	382	1392	17:45			325	1392	349	1346	674	2738
06:00			153		256		409		18:00			349		324		673	
06:15			244		289		533		18:15			329		368		697	
06:30			280		267		547		18:30			313		336		649	
06:45			280	957	239	1051	519	2008	18:45			325	1316	327	1355	652	2671
07:00			326		247		573		19:00			303		295		598	
07:15			352		258		610		19:15			283		293		576	
07:30			328		223		551		19:30			307		273		580	
07:45			309	1315	227	955	536	2270	19:45			292	1185	280	1141	572	2326
08:00			275		213		488		20:00			283		263		546	
08:15			325		230		555		20:15			253		257		510	
08:30			313		253		566		20:30			258		222		480	
08:45			249	1162	210	906	459	2068	20:45			238	1032	209	951	447	1983
09:00			229		230		459		21:00			228		200		428	
09:15			275		235		510		21:15			210		228		438	
09:30			304		234		538		21:30			174		196		370	
09:45			253	1061	235	934	488	1995	21:45			148	760	178	802	326	1562
10:00			288		206		494		22:00			160		165		325	
10:15			275		222		497		22:15			161		148		309	
10:30			269		216		485		22:30			126		102		228	
10:45			304	1136	232	876	536	2012	22:45			100	547	109	524	209	1071
11:00			240		211		451		23:00			101		91		192	
11:15			306		223		529		23:15			82		80		162	
11:30			268		254		522		23:30			61		67		128	
11:45			315	1129	277	965	592	2094	23:45			51	295	64	302	115	597
TOTALS				8161		7344		15505	TOTALS				13398		12152		25550
SPLIT %				52.6%		47.4%		37.8%	SPLIT %				52.4%		47.6%		62.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	21,559	19,496	41,055

AM Peak Hour			07:00	11:30	11:45	PM Peak Hour		14:45	17:45	14:45
AM Pk Volume			1315	1068	2335	PM Pk Volume		1506	1377	2760
Pk Hr Factor			0.934	0.964	0.986	Pk Hr Factor		0.978	0.935	0.973
7 - 9 Volume	0	0	2477	1861	4338	4 - 6 Volume	0	2758	2532	5290
7 - 9 Peak Hour			07:00	07:00	07:00	4 - 6 Peak Hour		17:00	17:00	17:00
7 - 9 Pk Volume	0	0	1315	955	2270	4 - 6 Pk Volume	0	1392	1346	2738
Pk Hr Factor	0.000	0.000	0.934	0.925	0.930	Pk Hr Factor	0.000	0.906	0.964	0.936

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Scholar Wy & Hamner Ave

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_003

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,719	13,414	28,133

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			22		35		57		12:00			214		165		379	
00:15			19		33		52		12:15			219		173		392	
00:30			19		25		44		12:30			217		163		380	
00:45			16	76	27	120	43	196	12:45			201	851	164	665	365	1516
01:00			9		30		39		13:00			194		169		363	
01:15			13		21		34		13:15			203		193		396	
01:30			15		17		32		13:30			192		196		388	
01:45			5	42	26	94	31	136	13:45			215	804	184	742	399	1546
02:00			9		13		22		14:00			250		183		433	
02:15			8		15		23		14:15			254		200		454	
02:30			10		12		22		14:30			288		187		475	
02:45			17	44	10	50	27	94	14:45			233	1025	187	757	420	1782
03:00			18		13		31		15:00			285		186		471	
03:15			17		12		29		15:15			301		220		521	
03:30			18		21		39		15:30			294		194		488	
03:45			23	76	8	54	31	130	15:45			279	1159	210	810	489	1969
04:00			26		19		45		16:00			308		175		483	
04:15			37		28		65		16:15			243		198		441	
04:30			59		60		119		16:30			258		183		441	
04:45			57	179	80	187	137	366	16:45			246	1055	222	778	468	1833
05:00			54		102		156		17:00			248		248		496	
05:15			63		165		228		17:15			271		215		486	
05:30			105		231		336		17:30			283		231		514	
05:45			103	325	150	648	253	973	17:45			230	1032	214	908	444	1940
06:00			122		179		301		18:00			268		245		513	
06:15			166		218		384		18:15			261		225		486	
06:30			177		202		379		18:30			254		206		460	
06:45			154	619	162	761	316	1380	18:45			194	977	236	912	430	1889
07:00			211		180		391		19:00			223		207		430	
07:15			284		160		444		19:15			202		205		407	
07:30			218		159		377		19:30			209		223		432	
07:45			210	923	150	649	360	1572	19:45			194	828	201	836	395	1664
08:00			210		159		369		20:00			198		196		394	
08:15			239		158		397		20:15			174		208		382	
08:30			214		128		342		20:30			140		205		345	
08:45			236	899	152	597	388	1496	20:45			123	635	203	812	326	1447
09:00			201		128		329		21:00			125		220		345	
09:15			208		122		330		21:15			110		180		290	
09:30			196		112		308		21:30			113		155		268	
09:45			181	786	126	488	307	1274	21:45			85	433	161	716	246	1149
10:00			186		158		344		22:00			100		119		219	
10:15			199		139		338		22:15			77		121		198	
10:30			203		135		338		22:30			49		88		137	
10:45			170	758	164	596	334	1354	22:45			61	287	77	405	138	692
11:00			180		149		329		23:00			37		65		102	
11:15			202		161		363		23:15			24		55		79	
11:30			217		148		365		23:30			26		53		79	
11:45			192	791	151	609	343	1400	23:45			28	115	47	220	75	335
TOTALS				5518		4853		10371	TOTALS				9201		8561		17762
SPLIT %				53.2%		46.8%		36.9%	SPLIT %				51.8%		48.2%		63.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,719	13,414	28,133

AM Peak Hour			07:00	05:30	07:00	PM Peak Hour			15:15	16:45	15:15
AM Pk Volume			923	778	1572	PM Pk Volume			1182	916	1981
Pk Hr Factor			0.813	0.842	0.885	Pk Hr Factor			0.959	0.923	0.951
7 - 9 Volume	0	0	1822	1246	3068	4 - 6 Volume	0	0	2087	1686	3773
7 - 9 Peak Hour			07:00	07:00	07:00	4 - 6 Peak Hour			16:00	16:45	16:45
7 - 9 Pk Volume	0	0	923	649	1572	4 - 6 Pk Volume	0	0	1055	916	1964
Pk Hr Factor	0.000	0.000	0.813	0.901	0.885	Pk Hr Factor	0.000	0.000	0.856	0.923	0.955

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Scholar Wy & Hamner Ave

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_003

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,624	13,205	27,829

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			27		47		74		12:00			206		151		357	
00:15			14		25		39		12:15			191		175		366	
00:30			6		28		34		12:30			198		169		367	
00:45			19	66	23	123	42	189	12:45			186	781	209	704	395	1485
01:00			17		28		45		13:00			199		190		389	
01:15			11		17		28		13:15			181		184		365	
01:30			6		18		24		13:30			208		216		424	
01:45			16	50	16	79	32	129	13:45			221	809	173	763	394	1572
02:00			18		20		38		14:00			254		176		430	
02:15			10		12		22		14:15			269		181		450	
02:30			14		14		28		14:30			237		180		417	
02:45			9	51	15	61	24	112	14:45			244	1004	170	707	414	1711
03:00			26		21		47		15:00			243		195		438	
03:15			12		13		25		15:15			269		197		466	
03:30			21		18		39		15:30			270		175		445	
03:45			29	88	21	73	50	161	15:45			300	1082	184	751	484	1833
04:00			30		40		70		16:00			273		182		455	
04:15			41		25		66		16:15			267		189		456	
04:30			62		70		132		16:30			206		191		397	
04:45			53	186	80	215	133	401	16:45			292	1038	194	756	486	1794
05:00			68		130		198		17:00			249		221		470	
05:15			79		167		246		17:15			254		227		481	
05:30			90		213		303		17:30			288		197		485	
05:45			97	334	186	696	283	1030	17:45			233	1024	229	874	462	1898
06:00			119		155		274		18:00			267		224		491	
06:15			166		239		405		18:15			231		206		437	
06:30			181		229		410		18:30			229		186		415	
06:45			181	647	188	811	369	1458	18:45			200	927	195	811	395	1738
07:00			247		169		416		19:00			206		185		391	
07:15			253		167		420		19:15			215		219		434	
07:30			268		158		426		19:30			192		199		391	
07:45			228	996	191	685	419	1681	19:45			195	808	217	820	412	1628
08:00			208		158		366		20:00			172		207		379	
08:15			244		179		423		20:15			155		219		374	
08:30			230		146		376		20:30			150		188		338	
08:45			225	907	169	652	394	1559	20:45			123	600	153	767	276	1367
09:00			207		116		323		21:00			122		150		272	
09:15			198		164		362		21:15			123		184		307	
09:30			204		124		328		21:30			100		151		251	
09:45			181	790	125	529	306	1319	21:45			94	439	100	585	194	1024
10:00			173		111		284		22:00			102		106		208	
10:15			220		145		365		22:15			85		95		180	
10:30			172		142		314		22:30			58		80		138	
10:45			196	761	166	564	362	1325	22:45			64	309	71	352	135	661
11:00			201		145		346		23:00			38		57		95	
11:15			201		181		382		23:15			28		64		92	
11:30			203		133		336		23:30			31		56		87	
11:45			200	805	151	610	351	1415	23:45			25	122	40	217	65	339
TOTALS				5681		5098		10779	TOTALS				8943		8107		17050
SPLIT %				52.7%		47.3%		38.7%	SPLIT %				52.5%		47.5%		61.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,624	13,205	27,829

AM Peak Hour			07:00	06:15	07:00	PM Peak Hour			15:15	17:15	16:45
AM Pk Volume			996	825	1681	PM Pk Volume			1112	877	1922
Pk Hr Factor			0.929	0.863	0.987	Pk Hr Factor			0.927	0.957	0.989
7 - 9 Volume	0	0	1903	1337	3240	4 - 6 Volume	0	0	2062	1630	3692
7 - 9 Peak Hour			07:00	07:30	07:00	4 - 6 Peak Hour			16:45	17:00	16:45
7 - 9 Pk Volume	0	0	996	686	1681	4 - 6 Pk Volume	0	0	1083	874	1922
Pk Hr Factor	0.000	0.000	0.929	0.898	0.987	Pk Hr Factor	0.000	0.000	0.927	0.954	0.989

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Scholar Wy & Hamner Ave

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_003

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,401	13,143	27,544

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			34		32		66		12:00			211		164		375	
00:15			20		32		52		12:15			218		158		376	
00:30			22		28		50		12:30			213		159		372	
00:45			18	94	33	125	51	219	12:45			213	855	176	657	389	1512
01:00			11		19		30		13:00			190		172		362	
01:15			17		13		30		13:15			224		178		402	
01:30			17		18		35		13:30			194		159		353	
01:45			7	52	16	66	23	118	13:45			189	797	171	680	360	1477
02:00			12		13		25		14:00			247		179		426	
02:15			9		8		17		14:15			235		182		417	
02:30			7		13		20		14:30			235		174		409	
02:45			20	48	11	45	31	93	14:45			266	983	200	735	466	1718
03:00			8		12		20		15:00			260		220		480	
03:15			22		10		32		15:15			277		180		457	
03:30			14		21		35		15:30			243		197		440	
03:45			20	64	20	63	40	127	15:45			268	1048	183	780	451	1828
04:00			21		27		48		16:00			286		187		473	
04:15			44		24		68		16:15			229		208		437	
04:30			60		56		116		16:30			210		222		432	
04:45			46	171	90	197	136	368	16:45			237	962	201	818	438	1780
05:00			54		113		167		17:00			264		201		465	
05:15			71		163		234		17:15			288		210		498	
05:30			113		208		321		17:30			278		227		505	
05:45			104	342	174	658	278	1000	17:45			270	1100	225	863	495	1963
06:00			106		183		289		18:00			248		238		486	
06:15			175		206		381		18:15			246		244		490	
06:30			177		236		413		18:30			246		228		474	
06:45			199	657	168	793	367	1450	18:45			212	952	220	930	432	1882
07:00			205		177		382		19:00			230		231		461	
07:15			254		188		442		19:15			220		201		421	
07:30			254		172		426		19:30			204		201		405	
07:45			216	929	151	688	367	1617	19:45			171	825	203	836	374	1661
08:00			211		132		343		20:00			169		190		359	
08:15			247		147		394		20:15			161		198		359	
08:30			212		154		366		20:30			124		177		301	
08:45			204	874	128	561	332	1435	20:45			141	595	169	734	310	1329
09:00			207		126		333		21:00			114		179		293	
09:15			173		145		318		21:15			111		160		271	
09:30			200		140		340		21:30			83		148		231	
09:45			203	783	127	538	330	1321	21:45			78	386	141	628	219	1014
10:00			195		118		313		22:00			91		134		225	
10:15			196		124		320		22:15			99		99		198	
10:30			163		155		318		22:30			68		80		148	
10:45			170	724	140	537	310	1261	22:45			45	303	71	384	116	687
11:00			181		136		317		23:00			33		58		91	
11:15			189		141		330		23:15			30		63		93	
11:30			177		147		324		23:30			24		64		88	
11:45			207	754	171	595	378	1349	23:45			16	103	47	232	63	335
TOTALS				5492		4866		10358	TOTALS				8909		8277		17186
SPLIT %				53.0%		47.0%		37.6%	SPLIT %				51.8%		48.2%		62.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,401	13,143	27,544

AM Peak Hour			07:15	05:45	06:45	PM Peak Hour			17:00	17:45	17:15
AM Pk Volume			935	799	1617	PM Pk Volume			1100	935	1984
Pk Hr Factor			0.920	0.846	0.915	Pk Hr Factor			0.955	0.958	0.982
7 - 9 Volume	0	0	1803	1249	3052	4 - 6 Volume	0	0	2062	1681	3743
7 - 9 Peak Hour			07:15	07:00	07:00	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	935	688	1617	4 - 6 Pk Volume	0	0	1100	863	1963
Pk Hr Factor	0.000	0.000	0.920	0.915	0.915	Pk Hr Factor	0.000	0.000	0.955	0.950	0.972

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Harrison Ave & Scholar Wy

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_002

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,706	12,166	24,872

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			18		32		50		12:00			186		155		341	
00:15			19		28		47		12:15			177		148		325	
00:30			12		17		29		12:30			180		151		331	
00:45			11	60	26	103	37	163	12:45			149	692	149	603	298	1295
01:00			7		24		31		13:00			144		147		291	
01:15			10		18		28		13:15			157		163		320	
01:30			10		14		24		13:30			152		172		324	
01:45			3	30	24	80	27	110	13:45			185	638	150	632	335	1270
02:00			10		9		19		14:00			200		154		354	
02:15			10		12		22		14:15			233		158		391	
02:30			8		13		21		14:30			266		149		415	
02:45			14	42	8	42	22	84	14:45			224	923	159	620	383	1543
03:00			14		14		28		15:00			274		173		447	
03:15			15		10		25		15:15			282		196		478	
03:30			19		19		38		15:30			273		190		463	
03:45			19	67	8	51	27	118	15:45			260	1089	178	737	438	1826
04:00			25		18		43		16:00			264		156		420	
04:15			26		27		53		16:15			250		188		438	
04:30			48		54		102		16:30			246		171		417	
04:45			42	141	79	178	121	319	16:45			223	983	192	707	415	1690
05:00			46		96		142		17:00			238		197		435	
05:15			49		168		217		17:15			246		201		447	
05:30			85		234		319		17:30			246		220		466	
05:45			82	262	176	674	258	936	17:45			220	950	171	789	391	1739
06:00			103		174		277		18:00			206		214		420	
06:15			141		209		350		18:15			243		207		450	
06:30			148		193		341		18:30			221		173		394	
06:45			139	531	182	758	321	1289	18:45			160	830	207	801	367	1631
07:00			192		171		363		19:00			180		188		368	
07:15			228		163		391		19:15			172		186		358	
07:30			202		163		365		19:30			183		197		380	
07:45			200	822	166	663	366	1485	19:45			171	706	185	756	356	1462
08:00			217		158		375		20:00			153		173		326	
08:15			211		160		371		20:15			151		177		328	
08:30			181		135		316		20:30			100		173		273	
08:45			223	832	146	599	369	1431	20:45			104	508	177	700	281	1208
09:00			169		129		298		21:00			97		179		276	
09:15			160		116		276		21:15			90		176		266	
09:30			194		108		302		21:30			93		133		226	
09:45			140	663	116	469	256	1132	21:45			67	347	142	630	209	977
10:00			144		125		269		22:00			93		103		196	
10:15			151		134		285		22:15			68		114		182	
10:30			176		116		292		22:30			36		76		112	
10:45			142	613	121	496	263	1109	22:45			48	245	77	370	125	615
11:00			148		131		279		23:00			30		59		89	
11:15			163		133		296		23:15			30		47		77	
11:30			163		126		289		23:30			19		44		63	
11:45			158	632	130	520	288	1152	23:45			21	100	38	188	59	288
TOTALS				4695		4633		9328	TOTALS				8011		7533		15544
SPLIT %				50.3%		49.7%		37.5%	SPLIT %				51.5%		48.5%		62.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,706	12,166	24,872

AM Peak Hour			07:15	05:30	07:15	PM Peak Hour			15:00	17:30	15:00
AM Pk Volume			847	793	1497	PM Pk Volume			1089	812	1826
Pk Hr Factor			0.929	0.847	0.957	Pk Hr Factor			0.965	0.923	0.955
7 - 9 Volume	0	0	1654	1262	2916	4 - 6 Volume	0	0	1933	1496	3429
7 - 9 Peak Hour			07:15	07:00	07:15	4 - 6 Peak Hour			16:00	16:45	16:45
7 - 9 Pk Volume	0	0	847	663	1497	4 - 6 Pk Volume	0	0	983	810	1763
Pk Hr Factor	0.000	0.000	0.929	0.969	0.957	Pk Hr Factor	0.000	0.000	0.931	0.920	0.946

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Harrison Ave & Scholar Wy

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_002

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,535	12,095	24,630

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			17		38		55		12:00			167		134		301	
00:15			11		22		33		12:15			160		169		329	
00:30			4		21		25		12:30			152		170		322	
00:45			12	44	21	102	33	146	12:45			141	620	172	645	313	1265
01:00			12		22		34		13:00			158		182		340	
01:15			6		15		21		13:15			147		161		308	
01:30			6		12		18		13:30			190		166		356	
01:45			14	38	11	60	25	98	13:45			189	684	163	672	352	1356
02:00			14		15		29		14:00			219		154		373	
02:15			9		16		25		14:15			212		165		377	
02:30			12		15		27		14:30			183		158		341	
02:45			8	43	13	59	21	102	14:45			236	850	142	619	378	1469
03:00			18		19		37		15:00			224		174		398	
03:15			8		15		23		15:15			246		170		416	
03:30			19		14		33		15:30			257		156		413	
03:45			27	72	15	63	42	135	15:45			284	1011	175	675	459	1686
04:00			20		33		53		16:00			256		162		418	
04:15			31		21		52		16:15			258		187		445	
04:30			54		69		123		16:30			198		186		384	
04:45			42	147	86	209	128	356	16:45			241	953	156	691	397	1644
05:00			53		123		176		17:00			245		184		429	
05:15			66		168		234		17:15			225		190		415	
05:30			83		226		309		17:30			243		202		445	
05:45			80	282	198	715	278	997	17:45			235	948	182	758	417	1706
06:00			109		166		275		18:00			249		211		460	
06:15			119		242		361		18:15			218		185		403	
06:30			152		238		390		18:30			197		185		382	
06:45			156	536	193	839	349	1375	18:45			165	829	171	752	336	1581
07:00			218		165		383		19:00			194		153		347	
07:15			222		176		398		19:15			182		188		370	
07:30			213		173		386		19:30			168		165		333	
07:45			209	862	165	679	374	1541	19:45			160	704	201	707	361	1411
08:00			218		178		396		20:00			144		193		337	
08:15			217		182		399		20:15			125		190		315	
08:30			213		139		352		20:30			116		160		276	
08:45			174	822	156	655	330	1477	20:45			101	486	132	675	233	1161
09:00			150		124		274		21:00			89		138		227	
09:15			160		148		308		21:15			90		154		244	
09:30			165		109		274		21:30			84		146		230	
09:45			150	625	108	489	258	1114	21:45			74	337	91	529	165	866
10:00			142		104		246		22:00			77		102		179	
10:15			182		121		303		22:15			65		74		139	
10:30			141		142		283		22:30			50		67		117	
10:45			159	624	128	495	287	1119	22:45			56	248	64	307	120	555
11:00			168		114		282		23:00			32		46		78	
11:15			158		136		294		23:15			28		57		85	
11:30			164		135		299		23:30			26		51		77	
11:45			172	662	126	511	298	1173	23:45			22	108	35	189	57	297
TOTALS				4757		4876		9633	TOTALS				7778		7219		14997
SPLIT %				49.4%		50.6%		39.1%	SPLIT %				51.9%		48.1%		60.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,535	12,095	24,630

AM Peak Hour			07:00	05:45	07:30	PM Peak Hour			15:30	17:15	17:15
AM Pk Volume			862	844	1555	PM Pk Volume			1055	785	1737
Pk Hr Factor			0.971	0.872	0.974	Pk Hr Factor			0.929	0.930	0.944
7 - 9 Volume	0	0	1684	1334	3018	4 - 6 Volume	0	0	1901	1449	3350
7 - 9 Peak Hour			07:00	07:30	07:30	4 - 6 Peak Hour			16:45	17:00	17:00
7 - 9 Pk Volume	0	0	862	698	1555	4 - 6 Pk Volume	0	0	954	758	1706
Pk Hr Factor	0.000	0.000	0.971	0.959	0.974	Pk Hr Factor	0.000	0.000	0.973	0.938	0.958

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Harrison Ave & Scholar Wy

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_002

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,445	12,073	24,518

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			26		29		55		12:00			163		146		309	
00:15			15		27		42		12:15			204		145		349	
00:30			16		22		38		12:30			172		136		308	
00:45			13	70	28	106	41	176	12:45			145	684	154	581	299	1265
01:00			11		20		31		13:00			184		164		348	
01:15			15		13		28		13:15			169		142		311	
01:30			17		16		33		13:30			164		137		301	
01:45			4	47	9	58	13	105	13:45			156	673	155	598	311	1271
02:00			13		9		22		14:00			192		160		352	
02:15			5		9		14		14:15			214		151		365	
02:30			7		9		16		14:30			223		149		372	
02:45			13	38	12	39	25	77	14:45			230	859	180	640	410	1499
03:00			5		15		20		15:00			257		194		451	
03:15			18		9		27		15:15			219		168		387	
03:30			13		17		30		15:30			238		178		416	
03:45			14	50	15	56	29	106	15:45			243	957	146	686	389	1643
04:00			25		21		46		16:00			248		169		417	
04:15			34		25		59		16:15			232		188		420	
04:30			44		53		97		16:30			208		194		402	
04:45			34	137	93	192	127	329	16:45			233	921	181	732	414	1653
05:00			45		115		160		17:00			238		168		406	
05:15			69		161		230		17:15			274		194		468	
05:30			87		211		298		17:30			235		196		431	
05:45			89	290	190	677	279	967	17:45			248	995	215	773	463	1768
06:00			85		177		262		18:00			232		216		448	
06:15			157		222		379		18:15			225		214		439	
06:30			140		227		367		18:30			207		220		427	
06:45			173	555	187	813	360	1368	18:45			189	853	195	845	384	1698
07:00			194		182		376		19:00			187		204		391	
07:15			226		184		410		19:15			196		193		389	
07:30			210		162		372		19:30			175		183		358	
07:45			226	856	155	683	381	1539	19:45			150	708	184	764	334	1472
08:00			193		142		335		20:00			129		165		294	
08:15			207		140		347		20:15			129		187		316	
08:30			186		158		344		20:30			110		156		266	
08:45			161	747	143	583	304	1330	20:45			117	485	147	655	264	1140
09:00			172		127		299		21:00			98		146		244	
09:15			141		142		283		21:15			87		147		234	
09:30			165		127		292		21:30			55		134		189	
09:45			170	648	113	509	283	1157	21:45			58	298	117	544	175	842
10:00			156		109		265		22:00			86		112		198	
10:15			163		112		275		22:15			81		101		182	
10:30			124		145		269		22:30			48		74		122	
10:45			143	586	108	474	251	1060	22:45			39	254	58	345	97	599
11:00			149		114		263		23:00			27		58		85	
11:15			157		133		290		23:15			30		56		86	
11:30			158		118		276		23:30			21		49		70	
11:45			175	639	152	517	327	1156	23:45			17	95	40	203	57	298
TOTALS				4663		4707		9370	TOTALS				7782		7366		15148
SPLIT %				49.8%		50.2%		38.2%	SPLIT %				51.4%		48.6%		61.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,445	12,073	24,518

AM Peak Hour			07:00	06:15	07:00	PM Peak Hour			17:00	17:45	17:15
AM Pk Volume			856	818	1539	PM Pk Volume			995	865	1810
Pk Hr Factor			0.947	0.901	0.938	Pk Hr Factor			0.908	0.983	0.967
7 - 9 Volume	0	0	1603	1266	2869	4 - 6 Volume	0	0	1916	1505	3421
7 - 9 Peak Hour			07:00	07:00	07:00	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	856	683	1539	4 - 6 Pk Volume	0	0	995	773	1768
Pk Hr Factor	0.000	0.000	0.947	0.928	0.938	Pk Hr Factor	0.000	0.000	0.908	0.899	0.944

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Archibald Ave & Harrison Ave

Day: Thursday
Date: 4/23/2015

City: Eastvale
Project #: CA15_6063_001

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,897	9,365	17,262

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			16		17		33		12:00			93		115		208	
00:15			20		14		34		12:15			93		99		192	
00:30			10		10		20		12:30			99		100		199	
00:45			8	54	17	58	25	112	12:45			94	379	110	424	204	803
01:00			11		15		26		13:00			91		107		198	
01:15			6		11		17		13:15			89		107		196	
01:30			4		8		12		13:30			100		108		208	
01:45			5	26	12	46	17	72	13:45			113	393	98	420	211	813
02:00			12		10		22		14:00			142		110		252	
02:15			6		9		15		14:15			179		95		274	
02:30			12		9		21		14:30			157		87		244	
02:45			8	38	4	32	12	70	14:45			160	638	86	378	246	1016
03:00			8		12		20		15:00			194		115		309	
03:15			10		15		25		15:15			173		128		301	
03:30			6		32		38		15:30			196		117		313	
03:45			9	33	19	78	28	111	15:45			215	778	129	489	344	1267
04:00			16		23		39		16:00			193		138		331	
04:15			8		33		41		16:15			193		124		317	
04:30			17		89		106		16:30			178		121		299	
04:45			17	58	118	263	135	321	16:45			194	758	117	500	311	1258
05:00			21		138		159		17:00			166		130		296	
05:15			29		189		218		17:15			208		129		337	
05:30			37		291		328		17:30			200		122		322	
05:45			42	129	217	835	259	964	17:45			193	767	117	498	310	1265
06:00			62		206		268		18:00			170		126		296	
06:15			60		235		295		18:15			197		107		304	
06:30			68		236		304		18:30			139		125		264	
06:45			61	251	227	904	288	1155	18:45			123	629	127	485	250	1114
07:00			70		211		281		19:00			123		102		225	
07:15			99		183		282		19:15			118		88		206	
07:30			98		202		300		19:30			111		101		212	
07:45			85	352	193	789	278	1141	19:45			109	461	100	391	209	852
08:00			92		195		287		20:00			84		76		160	
08:15			103		158		261		20:15			93		86		179	
08:30			94		151		245		20:30			70		95		165	
08:45			90	379	170	674	260	1053	20:45			65	312	72	329	137	641
09:00			81		121		202		21:00			68		93		161	
09:15			68		111		179		21:15			44		74		118	
09:30			94		108		202		21:30			77		80		157	
09:45			77	320	97	437	174	757	21:45			54	243	80	327	134	570
10:00			67		102		169		22:00			68		51		119	
10:15			78		93		171		22:15			44		41		85	
10:30			87		120		207		22:30			42		40		82	
10:45			54	286	79	394	133	680	22:45			33	187	35	167	68	354
11:00			88		82		170		23:00			17		34		51	
11:15			82		76		158		23:15			21		24		45	
11:30			90		102		192		23:30			25		21		46	
11:45			87	347	87	347	174	694	23:45			16	79	21	100	37	179
TOTALS				2273		4857		7130	TOTALS				5624		4508		10132
SPLIT %				31.9%		68.1%		41.3%	SPLIT %				55.5%		44.5%		58.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,897	9,365	17,262

AM Peak Hour			08:00	05:30	06:15	PM Peak Hour			15:30	15:15	15:30
AM Pk Volume			379	949	1168	PM Pk Volume			797	512	1305
Pk Hr Factor			0.920	0.815	0.961	Pk Hr Factor			0.927	0.928	0.948
7 - 9 Volume	0	0	731	1463	2194	4 - 6 Volume	0	0	1525	998	2523
7 - 9 Peak Hour			08:00	07:00	07:15	4 - 6 Peak Hour			16:45	16:00	16:45
7 - 9 Pk Volume	0	0	379	789	1147	4 - 6 Pk Volume	0	0	768	500	1266
Pk Hr Factor	0.000	0.000	0.920	0.935	0.956	Pk Hr Factor	0.000	0.000	0.923	0.906	0.939

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Archibald Ave & Harrison Ave

Day: Wednesday
Date: 4/22/2015

City: Eastvale
Project #: CA15_6063_001

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	8,151	9,658	17,809

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			12		17		29		12:00			88		87		175	
00:15			13		11		24		12:15			97		105		202	
00:30			7		10		17		12:30			90		121		211	
00:45			7	39	11	49	18	88	12:45			83	358	119	432	202	790
01:00			5		13		18		13:00			76		113		189	
01:15			5		5		10		13:15			93		111		204	
01:30			6		4		10		13:30			101		117		218	
01:45			15	31	12	34	27	65	13:45			118	388	104	445	222	833
02:00			8		14		22		14:00			128		103		231	
02:15			9		11		20		14:15			162		120		282	
02:30			11		13		24		14:30			141		106		247	
02:45			9	37	14	52	23	89	14:45			164	595	102	431	266	1026
03:00			8		23		31		15:00			148		128		276	
03:15			4		18		22		15:15			198		125		323	
03:30			8		20		28		15:30			211		119		330	
03:45			16	36	26	87	42	123	15:45			225	782	100	472	325	1254
04:00			15		35		50		16:00			218		118		336	
04:15			16		31		47		16:15			216		106		322	
04:30			27		109		136		16:30			209		134		343	
04:45			20	78	113	288	133	366	16:45			207	850	126	484	333	1334
05:00			22		155		177		17:00			212		118		330	
05:15			34		197		231		17:15			184		126		310	
05:30			29		275		304		17:30			223		118		341	
05:45			42	127	242	869	284	996	17:45			185	804	142	504	327	1308
06:00			55		196		251		18:00			192		114		306	
06:15			57		279		336		18:15			164		134		298	
06:30			84		252		336		18:30			151		118		269	
06:45			87	283	247	974	334	1257	18:45			136	643	106	472	242	1115
07:00			97		200		297		19:00			154		77		231	
07:15			100		198		298		19:15			114		107		221	
07:30			77		207		284		19:30			116		98		214	
07:45			109	383	190	795	299	1178	19:45			107	491	112	394	219	885
08:00			85		215		300		20:00			98		99		197	
08:15			117		168		285		20:15			95		98		193	
08:30			121		161		282		20:30			68		72		140	
08:45			79	402	194	738	273	1140	20:45			73	334	68	337	141	671
09:00			70		132		202		21:00			55		64		119	
09:15			70		128		198		21:15			81		77		158	
09:30			79		129		208		21:30			64		70		134	
09:45			70	289	116	505	186	794	21:45			56	256	45	256	101	512
10:00			80		87		167		22:00			61		46		107	
10:15			81		106		187		22:15			45		39		84	
10:30			68		94		162		22:30			36		32		68	
10:45			73	302	124	411	197	713	22:45			49	191	39	156	88	347
11:00			86		82		168		23:00			33		18		51	
11:15			69		93		162		23:15			27		28		55	
11:30			86		110		196		23:30			23		32		55	
11:45			108	349	95	380	203	729	23:45			20	103	15	93	35	196
TOTALS				2356		5182		**7538**	**TOTALS**				5795		4476		**10271**
SPLIT %				31.3%		68.7%		**42.3%**	**SPLIT %**				56.4%		43.6%		**57.7%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	8,151	9,658	17,809

AM Peak Hour			07:45	05:30	**06:15**	**PM Peak Hour**		15:30	17:30	**16:00**
AM Pk Volume			432	992	**1303**	**PM Pk Volume**		870	508	**1334**
Pk Hr Factor			0.893	0.889	**0.969**	**Pk Hr Factor**		0.967	0.894	**0.972**
7 - 9 Volume	0	0	785	1533	**2318**	**4 - 6 Volume**	0	1654	988	**2642**
7 - 9 Peak Hour			07:45	07:15	**07:15**	**4 - 6 Peak Hour**		16:00	16:30	**16:00**
7 - 9 Pk Volume	0	0	432	810	**1181**	**4 - 6 Pk Volume**	0	850	504	**1334**
Pk Hr Factor	0.000	0.000	0.893	0.942	**0.984**	**Pk Hr Factor**	0.000	0.975	0.940	**0.972**

Prepared by NDS/ATD

VOLUME

Limonite Ave Bet. Archibald Ave & Harrison Ave

Day: Tuesday
Date: 4/21/2015

City: Eastvale
Project #: CA15_6063_001

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,857	9,345	17,202

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			17		15		32		12:00			101		84		185	
00:15			14		13		27		12:15			113		103		216	
00:30			14		12		26		12:30			106		112		218	
00:45			8	53	10	50	18	103	12:45			91	411	102	401	193	812
01:00			10		8		18		13:00			120		121		241	
01:15			13		7		20		13:15			108		98		206	
01:30			8		7		15		13:30			97		109		206	
01:45			6	37	8	30	14	67	13:45			112	437	105	433	217	870
02:00			8		6		14		14:00			126		98		224	
02:15			6		7		13		14:15			148		93		241	
02:30			9		5		14		14:30			169		99		268	
02:45			4	27	9	27	13	54	14:45			192	635	110	400	302	1035
03:00			3		15		18		15:00			170		117		287	
03:15			10		15		25		15:15			167		120		287	
03:30			4		21		25		15:30			165		107		272	
03:45			8	25	27	78	35	103	15:45			211	713	105	449	316	1162
04:00			13		26		39		16:00			201		117		318	
04:15			13		48		61		16:15			178		132		310	
04:30			19		87		106		16:30			173		113		286	
04:45			13	58	110	271	123	329	16:45			185	737	117	479	302	1216
05:00			10		157		167		17:00			181		117		298	
05:15			31		185		216		17:15			203		130		333	
05:30			41		249		290		17:30			211		111		322	
05:45			35	117	228	819	263	936	17:45			164	759	119	477	283	1236
06:00			47		215		262		18:00			197		129		326	
06:15			77		251		328		18:15			178		123		301	
06:30			74		274		348		18:30			153		118		271	
06:45			86	284	233	973	319	1257	18:45			139	667	99	469	238	1136
07:00			72		200		272		19:00			115		122		237	
07:15			91		220		311		19:15			99		96		195	
07:30			86		226		312		19:30			111		75		186	
07:45			104	353	175	821	279	1174	19:45			92	417	83	376	175	793
08:00			78		158		236		20:00			85		88		173	
08:15			81		167		248		20:15			83		97		180	
08:30			88		163		251		20:30			94		76		170	
08:45			79	326	166	654	245	980	20:45			68	330	76	337	144	667
09:00			85		138		223		21:00			65		70		135	
09:15			76		141		217		21:15			72		71		143	
09:30			84		126		210		21:30			42		72		114	
09:45			79	324	110	515	189	839	21:45			53	232	62	275	115	507
10:00			90		102		192		22:00			61		58		119	
10:15			75		89		164		22:15			53		39		92	
10:30			73		115		188		22:30			44		37		81	
10:45			65	303	90	396	155	699	22:45			36	194	29	163	65	357
11:00			85		73		158		23:00			25		30		55	
11:15			77		103		180		23:15			27		25		52	
11:30			88		90		178		23:30			12		20		32	
11:45			86	336	95	361	181	697	23:45			18	82	16	91	34	173
TOTALS				2243		4995		**7238**	**TOTALS**				5614		4350		**9964**
SPLIT %				31.0%		69.0%		**42.1%**	**SPLIT %**				56.3%		43.7%		**57.9%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,857	9,345	17,202

AM Peak Hour			11:45	06:00	**06:15**	**PM Peak Hour**			16:45	17:15	**17:15**
AM Pk Volume			406	973	**1267**	**PM Pk Volume**			780	489	**1264**
Pk Hr Factor			0.898	0.888	**0.910**	**Pk Hr Factor**			0.924	0.940	**0.949**
7 - 9 Volume	0	0	679	1475	**2154**	**4 - 6 Volume**	0	0	1496	956	**2452**
7 - 9 Peak Hour			07:15	07:00	**07:00**	**4 - 6 Peak Hour**			16:45	16:00	**16:45**
7 - 9 Pk Volume	0	0	359	821	**1174**	**4 - 6 Pk Volume**	0	0	780	479	**1255**
Pk Hr Factor	0.000	0.000	0.863	0.908	**0.941**	**Pk Hr Factor**	0.000	0.000	0.924	0.907	**0.942**

APPENDIX 3.3-A:
CRITERIA AIR POLLUTANT QUANTIFICATION

Leal Master Plan - Buildout

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	660.00	Dwelling Unit	41.25	660,000.00	1888
Regional Shopping Center	1,525.00	1000sqft	35.01	1,525,000.00	0
General Office Building	460.00	1000sqft	10.56	460,000.00	0
Medical Office Building	460.00	1000sqft	10.56	460,000.00	0
Hotel	450.00	Room	15.00	653,400.00	0
Government (Civic Center)	100.00	1000sqft	2.30	100,000.00	0
Other Asphalt Surfaces	45.32	Acre	45.32	1,974,139.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - Land uses account for roads and parking lots

Construction Phase - No construction on this model

Vehicle Trips - Trip Generation per Traffic Impact Analysis

Woodstoves - No hearths

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	561.00	0.00
tblFireplaces	NumberNoFireplace	66.00	660.00
tblFireplaces	NumberWood	33.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	7.16	4.23
tblVehicleTrips	ST_TR	2.37	7.08
tblVehicleTrips	ST_TR	0.00	17.95
tblVehicleTrips	ST_TR	8.19	5.25
tblVehicleTrips	ST_TR	8.96	23.23
tblVehicleTrips	ST_TR	49.97	27.62
tblVehicleTrips	SU_TR	6.07	4.23
tblVehicleTrips	SU_TR	0.98	7.08
tblVehicleTrips	SU_TR	0.00	17.95
tblVehicleTrips	SU_TR	5.95	5.25
tblVehicleTrips	SU_TR	1.55	23.23
tblVehicleTrips	SU_TR	25.24	27.62
tblVehicleTrips	WD_TR	6.59	4.23
tblVehicleTrips	WD_TR	11.01	7.08
tblVehicleTrips	WD_TR	27.92	17.95
tblVehicleTrips	WD_TR	8.17	5.25
tblVehicleTrips	WD_TR	36.13	23.23
tblVehicleTrips	WD_TR	42.94	27.62
tblWoodstoves	NumberCatalytic	33.00	0.00
tblWoodstoves	NumberNoncatalytic	33.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 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	151.3912	0.6288	54.5681	2.9000e-003		0.3031	0.3031		0.3031	0.3031						
Energy	1.8307	16.4232	12.3723	0.0999		1.2648	1.2648		1.2648	1.2648						
Mobile	115.1034	234.0190	1,133.2124	4.8452	317.9429	7.1280	325.0709	84.8287	6.5744	91.4030						
Total	**268.3253**	**251.0710**	**1,200.1528**	**4.9479**	**317.9429**	**8.6959**	**326.6388**	**84.8287**	**8.1422**	**92.9709**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	115.1034	234.0190	1,133.2124	4.8452	317.9429	7.1280	325.0709	84.8287	6.5744	91.4030						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,791.80	2,791.80	2791.80	9,540,005	9,540,005
General Office Building	3,256.80	3,256.80	3256.80	10,491,654	10,491,654
Government (Civic Center)	1,795.00	1,795.00	1795.00	5,543,194	5,543,194
Hotel	2,362.50	2,362.50	2362.50	5,637,329	5,637,329
Medical Office Building	10,685.80	10,685.80	10685.80	27,717,454	27,717,454
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	42,120.50	42,120.50	42120.50	91,100,069	91,100,069
Total	63,012.40	63,012.40	63,012.40	150,029,705	150,029,705

3.3 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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	1.8307	16.4232	12.3723	0.0999		1.2648	1.2648		1.2648	1.2648						

4.2 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					
Condo/Townhouse	37259.3	0.4018	3.4337	1.4612	0.0219		0.2776	0.2776		0.2776	0.2776						
General Office Building	4600	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Government (Civic Center)	1000	0.0108	0.0980	0.0824	5.9000e-004		7.4500e-003	7.4500e-003		7.4500e-003	7.4500e-003						
Hotel	112600	1.2143	11.0392	9.2729	0.0662		0.8390	0.8390		0.8390	0.8390						
Medical Office Building	4600	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	9693.15	0.1045	0.9503	0.7983	5.7000e-003		0.0722	0.0722		0.0722	0.0722						
Total		**1.8307**	**16.4232**	**12.3723**	**0.0999**		**1.2648**	**1.2648**		**1.2648**	**1.2648**						

5.0 Area Detail

5.1 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					
Unmitigated	151.3912	0.6288	54.5681	2.9000e-003		0.3031	0.3031		0.3031	0.3031						

5.2 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	34.2564					0.0000	0.0000		0.0000	0.0000						
Consumer Products	115.4843					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						
Landscaping	1.6506	0.6288	54.5681	2.9000e-003		0.3031	0.3031		0.3031	0.3031						
Total	**151.3913**	**0.6288**	**54.5681**	**2.9000e-003**		**0.3031**	**0.3031**		**0.3031**	**0.3031**						

Leal Master Plan - Buildout

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	660.00	Dwelling Unit	41.25	660,000.00	1888
Regional Shopping Center	1,525.00	1000sqft	35.01	1,525,000.00	0
General Office Building	460.00	1000sqft	10.56	460,000.00	0
Medical Office Building	460.00	1000sqft	10.56	460,000.00	0
Hotel	450.00	Room	15.00	653,400.00	0
Government (Civic Center)	100.00	1000sqft	2.30	100,000.00	0
Other Asphalt Surfaces	45.32	Acre	45.32	1,974,139.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - Land uses account for roads and parking lots

Construction Phase - No construction in this model

Vehicle Trips - Trip Generation per Traffic Impact Analysis

Woodstoves - No hearths

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	561.00	0.00
tblFireplaces	NumberNoFireplace	66.00	660.00
tblFireplaces	NumberWood	33.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	7.16	4.23
tblVehicleTrips	ST_TR	2.37	7.08
tblVehicleTrips	ST_TR	0.00	17.95
tblVehicleTrips	ST_TR	8.19	5.25
tblVehicleTrips	ST_TR	8.96	23.23
tblVehicleTrips	ST_TR	49.97	27.62
tblVehicleTrips	SU_TR	6.07	4.23
tblVehicleTrips	SU_TR	0.98	7.08
tblVehicleTrips	SU_TR	0.00	17.95
tblVehicleTrips	SU_TR	5.95	5.25
tblVehicleTrips	SU_TR	1.55	23.23
tblVehicleTrips	SU_TR	25.24	27.62
tblVehicleTrips	WD_TR	6.59	4.23
tblVehicleTrips	WD_TR	11.01	7.08
tblVehicleTrips	WD_TR	27.92	17.95
tblVehicleTrips	WD_TR	8.17	5.25
tblVehicleTrips	WD_TR	36.13	23.23
tblVehicleTrips	WD_TR	42.94	27.62
tblWoodstoves	NumberCatalytic	33.00	0.00
tblWoodstoves	NumberNoncatalytic	33.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 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	151.3912	0.6288	54.5681	2.9000e-003		0.3031	0.3031		0.3031	0.3031						
Energy	1.8307	16.4232	12.3723	0.0999		1.2648	1.2648		1.2648	1.2648						
Mobile	112.4102	241.5521	1,109.9236	4.5220	317.9429	7.1566	325.0996	84.8287	6.6007	91.4294						
Total	**265.6321**	**258.6041**	**1,176.8640**	**4.6248**	**317.9429**	**8.7245**	**326.6674**	**84.8287**	**8.1686**	**92.9972**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	112.4102	241.5521	1,109.9236	4.5220	317.9429	7.1566	325.0996	84.8287	6.6007	91.4294						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,791.80	2,791.80	2791.80	9,540,005	9,540,005
General Office Building	3,256.80	3,256.80	3256.80	10,491,654	10,491,654
Government (Civic Center)	1,795.00	1,795.00	1795.00	5,543,194	5,543,194
Hotel	2,362.50	2,362.50	2362.50	5,637,329	5,637,329
Medical Office Building	10,685.80	10,685.80	10685.80	27,717,454	27,717,454
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	42,120.50	42,120.50	42120.50	91,100,069	91,100,069
Total	63,012.40	63,012.40	63,012.40	150,029,705	150,029,705

3.3 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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	1.8307	16.4232	12.3723	0.0999		1.2648	1.2648		1.2648	1.2648						

4.2 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					
Condo/Townhouse	37259.3	0.4018	3.4337	1.4612	0.0219		0.2776	0.2776		0.2776	0.2776						
General Office Building	4600	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Government (Civic Center)	1000	0.0108	0.0980	0.0824	5.9000e-004		7.4500e-003	7.4500e-003		7.4500e-003	7.4500e-003						
Hotel	112600	1.2143	11.0392	9.2729	0.0662		0.8390	0.8390		0.8390	0.8390						
Medical Office Building	4600	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	9693.15	0.1045	0.9503	0.7983	5.7000e-003		0.0722	0.0722		0.0722	0.0722						
Total		**1.8307**	**16.4232**	**12.3723**	**0.0999**		**1.2648**	**1.2648**		**1.2648**	**1.2648**						

5.0 Area Detail

5.1 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					
Unmitigated	151.3912	0.6288	54.5681	2.9000e-003		0.3031	0.3031		0.3031	0.3031						

5.2 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	34.2564					0.0000	0.0000		0.0000	0.0000						
Consumer Products	115.4843					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						
Landscaping	1.6506	0.6288	54.5681	2.9000e-003		0.3031	0.3031		0.3031	0.3031						
Total	**151.3913**	**0.6288**	**54.5681**	**2.9000e-003**		**0.3031**	**0.3031**		**0.3031**	**0.3031**						

Leal Master Plan - Buildout

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	660.00	Dwelling Unit	41.25	660,000.00	1888
Regional Shopping Center	1,525.00	1000sqft	35.01	1,525,000.00	0
General Office Building	460.00	1000sqft	10.56	460,000.00	0
Medical Office Building	460.00	1000sqft	10.56	460,000.00	0
Hotel	450.00	Room	15.00	653,400.00	0
Government (Civic Center)	100.00	1000sqft	2.30	100,000.00	0
Other Asphalt Surfaces	45.32	Acre	45.32	1,974,139.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - Land uses account for roads and parking lots

Construction Phase - No construction in this model

Vehicle Trips - Trip Generation per Traffic Impact Analysis

Woodstoves - No hearths

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	561.00	0.00
tblFireplaces	NumberNoFireplace	66.00	660.00
tblFireplaces	NumberWood	33.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	7.16	4.23
tblVehicleTrips	ST_TR	2.37	7.08
tblVehicleTrips	ST_TR	0.00	17.95
tblVehicleTrips	ST_TR	8.19	5.25
tblVehicleTrips	ST_TR	8.96	23.23
tblVehicleTrips	ST_TR	49.97	27.62
tblVehicleTrips	SU_TR	6.07	4.23
tblVehicleTrips	SU_TR	0.98	7.08
tblVehicleTrips	SU_TR	0.00	17.95
tblVehicleTrips	SU_TR	5.95	5.25
tblVehicleTrips	SU_TR	1.55	23.23
tblVehicleTrips	SU_TR	25.24	27.62
tblVehicleTrips	WD_TR	6.59	4.23
tblVehicleTrips	WD_TR	11.01	7.08
tblVehicleTrips	WD_TR	27.92	17.95
tblVehicleTrips	WD_TR	8.17	5.25
tblVehicleTrips	WD_TR	36.13	23.23
tblVehicleTrips	WD_TR	42.94	27.62
tblWoodstoves	NumberCatalytic	33.00	0.00
tblWoodstoves	NumberNoncatalytic	33.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 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	27.5340	0.0786	6.8210	3.6000e-004		0.0379	0.0379		0.0379	0.0379						
Energy	0.3341	2.9972	2.2580	0.0182		0.2308	0.2308		0.2308	0.2308						
Mobile	19.4420	44.9974	207.6987	0.8313	56.9146	1.2979	58.2125	15.2054	1.1971	16.4025						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	**47.3101**	**48.0733**	**216.7777**	**0.8499**	**56.9146**	**1.5667**	**58.4812**	**15.2054**	**1.4658**	**16.6712**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated	19.4420	44.9974	207.6987	0.8313	56.9146	1.2979	58.2125	15.2054	1.1971	16.4025						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,791.80	2,791.80	2791.80	9,540,005	9,540,005
General Office Building	3,256.80	3,256.80	3256.80	10,491,654	10,491,654
Government (Civic Center)	1,795.00	1,795.00	1795.00	5,543,194	5,543,194
Hotel	2,362.50	2,362.50	2362.50	5,637,329	5,637,329
Medical Office Building	10,685.80	10,685.80	10685.80	27,717,454	27,717,454
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	42,120.50	42,120.50	42120.50	91,100,069	91,100,069
Total	63,012.40	63,012.40	63,012.40	150,029,705	150,029,705

3.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated						0.0000	0.0000		0.0000	0.0000						
NaturalGas Unmitigated	0.3341	2.9972	2.2580	0.0182		0.2308	0.2308		0.2308	0.2308						

4.2 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					
Condo/Townhouse	1.35996e+007	0.0733	0.6267	0.2667	4.0000e-003		0.0507	0.0507		0.0507	0.0507						
General Office Building	1.679e+006	9.0500e-003	0.0823	0.0691	4.9000e-004		6.2600e-003	6.2600e-003		6.2600e-003	6.2600e-003						
Government (Civic Center)	365000	1.9700e-003	0.0179	0.0150	1.1000e-004		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003						
Hotel	4.10989e+007	0.2216	2.0147	1.6923	0.0121		0.1531	0.1531		0.1531	0.1531						
Medical Office Building	1.679e+006	9.0500e-003	0.0823	0.0691	4.9000e-004		6.2600e-003	6.2600e-003		6.2600e-003	6.2600e-003						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	3.538e+006	0.0191	0.1734	0.1457	1.0400e-003		0.0132	0.0132		0.0132	0.0132						
Total		**0.3341**	**2.9972**	**2.2580**	**0.0182**		**0.2308**	**0.2308**		**0.2308**	**0.2308**						

4.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	3.21849e+006				
General Office Building	4.9174e+006				
Government (Civic Center)	1.069e+006				
Hotel	1.32444e+007				
Medical Office Building	4.9174e+006				
Other Asphalt Surfaces	0				
Regional Shopping Center	2.38815e+007				
Total					

5.0 Area Detail

5.1 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					
Unmitigated	27.5340	0.0786	6.8210	3.6000e-004		0.0379	0.0379		0.0379	0.0379						

5.2 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	6.2518					0.0000	0.0000		0.0000	0.0000						
Consumer Products	21.0759					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						
Landscaping	0.2063	0.0786	6.8210	3.6000e-004		0.0379	0.0379		0.0379	0.0379						
Total	**27.5340**	**0.0786**	**6.8210**	**3.6000e-004**		**0.0379**	**0.0379**		**0.0379**	**0.0379**						

Leal Master Plan - 660 Residential Units

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	660.00	Dwelling Unit	41.25	660,000.00	1888

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 660 residential units

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Woodstoves - No hearths

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	561.00	0.00
tblFireplaces	NumberNoFireplace	66.00	660.00
tblFireplaces	NumberWood	33.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	7.16	4.23
tblVehicleTrips	SU_TR	6.07	4.23
tblVehicleTrips	WD_TR	6.59	4.23
tblWoodstoves	NumberCatalytic	33.00	0.00
tblWoodstoves	NumberNoncatalytic	33.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 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	16.1047	0.6260	54.2594	2.8800e-003		0.3020	0.3020		0.3020	0.3020						
Energy	0.4018	3.4337	1.4612	0.0219		0.2776	0.2776		0.2776	0.2776						
Mobile	5.6254	13.6668	64.3707	0.3046	20.2172	0.4396	20.6568	5.3940	0.4054	5.7994						
Total	**22.1319**	**17.7265**	**120.0913**	**0.3294**	**20.2172**	**1.0192**	**21.2364**	**5.3940**	**0.9850**	**6.3790**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	5.6254	13.6668	64.3707	0.3046	20.2172	0.4396	20.6568	5.3940	0.4054	5.7994						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,791.80	2,791.80	2791.80	9,540,005	9,540,005
Total	2,791.80	2,791.80	2,791.80	9,540,005	9,540,005

3.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.4018	3.4337	1.4612	0.0219		0.2776	0.2776		0.2776	0.2776						

4.2 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					
Condo/Townhouse	37259.3	0.4018	3.4337	1.4612	0.0219		0.2776	0.2776		0.2776	0.2776						
Total		**0.4018**	**3.4337**	**1.4612**	**0.0219**		**0.2776**	**0.2776**		**0.2776**	**0.2776**						

5.0 Area Detail

5.1 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					
Unmitigated	16.1047	0.6260	54.2594	2.8800e-003		0.3020	0.3020		0.3020	0.3020						

5.2 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	1.4143					0.0000	0.0000		0.0000	0.0000						
Consumer Products	13.0680					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						
Landscaping	1.6223	0.6260	54.2594	2.8800e-003		0.3020	0.3020		0.3020	0.3020						
Total	**16.1047**	**0.6260**	**54.2594**	**2.8800e-003**		**0.3020**	**0.3020**		**0.3020**	**0.3020**						

Leal Master Plan - 660 Residential Units

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	660.00	Dwelling Unit	41.25	660,000.00	1888

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 660 residential units

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Woodstoves - No hearths

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	561.00	0.00
tblFireplaces	NumberNoFireplace	66.00	660.00
tblFireplaces	NumberWood	33.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	7.16	4.23
tblVehicleTrips	SU_TR	6.07	4.23
tblVehicleTrips	WD_TR	6.59	4.23
tblWoodstoves	NumberCatalytic	33.00	0.00
tblWoodstoves	NumberNoncatalytic	33.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 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	16.1047	0.6260	54.2594	2.8800e-003		0.3020	0.3020		0.3020	0.3020						
Energy	0.4018	3.4337	1.4612	0.0219		0.2776	0.2776		0.2776	0.2776						
Mobile	5.4869	14.1618	61.1217	0.2842	20.2172	0.4409	20.6580	5.3940	0.4066	5.8006						
Total	**21.9933**	**18.2215**	**116.8423**	**0.3090**	**20.2172**	**1.0204**	**21.2376**	**5.3940**	**0.9861**	**6.3802**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	5.4869	14.1618	61.1217	0.2842	20.2172	0.4409	20.6580	5.3940	0.4066	5.8006						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,791.80	2,791.80	2791.80	9,540,005	9,540,005
Total	2,791.80	2,791.80	2,791.80	9,540,005	9,540,005

3.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.4018	3.4337	1.4612	0.0219		0.2776	0.2776		0.2776	0.2776						

4.2 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					
Condo/Townhouse	37259.3	0.4018	3.4337	1.4612	0.0219		0.2776	0.2776		0.2776	0.2776						
Total		**0.4018**	**3.4337**	**1.4612**	**0.0219**		**0.2776**	**0.2776**		**0.2776**	**0.2776**						

5.0 Area Detail

5.1 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					
Unmitigated	16.1047	0.6260	54.2594	2.8800e-003		0.3020	0.3020		0.3020	0.3020						

5.2 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	1.4143					0.0000	0.0000		0.0000	0.0000						
Consumer Products	13.0680					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						
Landscaping	1.6223	0.6260	54.2594	2.8800e-003		0.3020	0.3020		0.3020	0.3020						
Total	**16.1047**	**0.6260**	**54.2594**	**2.8800e-003**		**0.3020**	**0.3020**		**0.3020**	**0.3020**						

Leal Master Plan - Civic Center

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	100.00	1000sqft	2.30	100,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 100,000 square feet of civic center land use

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	WD_TR	27.92	17.95

2.0 Emissions Summary

2.1 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	11.6636	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						
Energy	0.0108	0.0980	0.0824	5.9000e-004		7.4500e-003	7.4500e-003		7.4500e-003	7.4500e-003						
Mobile	3.5096	8.1137	38.4959	0.1775	11.7471	0.2574	12.0045	3.1342	0.2374	3.3715						
Total	**15.1840**	**8.2119**	**38.5884**	**0.1781**	**11.7471**	**0.2649**	**12.0120**	**3.1342**	**0.2448**	**3.3790**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	3.5096	8.1137	38.4959	0.1775	11.7471	0.2574	12.0045	3.1342	0.2374	3.3715						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	1,795.00	0.00	0.00	3,959,424	3,959,424
Total	1,795.00	0.00	0.00	3,959,424	3,959,424

3.3 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
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.0108	0.0980	0.0824	5.9000e-004		7.4500e-003	7.4500e-003		7.4500e-003	7.4500e-003						

4.2 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					
Government (Civic Center)	1000	0.0108	0.0980	0.0824	5.9000e-004		7.4500e-003	7.4500e-003		7.4500e-003	7.4500e-003						
Total		**0.0108**	**0.0980**	**0.0824**	**5.9000e-004**		**7.4500e-003**	**7.4500e-003**		**7.4500e-003**	**7.4500e-003**						

5.0 Area Detail

5.1 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					
Unmitigated	11.6636	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						

5.2 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	9.6827					0.0000	0.0000		0.0000	0.0000						
Consumer Products	1.9800					0.0000	0.0000		0.0000	0.0000						
Landscaping	9.3000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						
Total	**11.6636**	**9.0000e-005**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						

Leal Master Plan - Civic Center

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	100.00	1000sqft	2.30	100,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 100,000 square feet of civic center land use

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	WD_TR	27.92	17.95

2.0 Emissions Summary

2.1 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	11.6636	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						
Energy	0.0108	0.0980	0.0824	5.9000e-004		7.4500e-003	7.4500e-003		7.4500e-003	7.4500e-003						
Mobile	3.4244	8.3991	36.8597	0.1656	11.7471	0.2582	12.0053	3.1342	0.2381	3.3723						
Total	**15.0988**	**8.4972**	**36.9522**	**0.1662**	**11.7471**	**0.2657**	**12.0128**	**3.1342**	**0.2456**	**3.3798**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	3.4244	8.3991	36.8597	0.1656	11.7471	0.2582	12.0053	3.1342	0.2381	3.3723						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	1,795.00	0.00	0.00	3,959,424	3,959,424
Total	1,795.00	0.00	0.00	3,959,424	3,959,424

3.3 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
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.0108	0.0980	0.0824	5.9000e-004		7.4500e-003	7.4500e-003		7.4500e-003	7.4500e-003						

4.2 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					
Government (Civic Center)	1000	0.0108	0.0980	0.0824	5.9000e-004		7.4500e-003	7.4500e-003		7.4500e-003	7.4500e-003						
Total		**0.0108**	**0.0980**	**0.0824**	**5.9000e-004**		**7.4500e-003**	**7.4500e-003**		**7.4500e-003**	**7.4500e-003**						

5.0 Area Detail

5.1 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					
Unmitigated	11.6636	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						

5.2 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	9.6827					0.0000	0.0000		0.0000	0.0000						
Consumer Products	1.9800					0.0000	0.0000		0.0000	0.0000						
Landscaping	9.3000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005						
Total	**11.6636**	**9.0000e-005**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**						

Leal Master Plan - General Office Space

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	460.00	1000sqft	10.56	460,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factor adjusted to reflect post-2020 conditions

Land Use - 460,000 square feet of office space

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	2.37	7.08
tblVehicleTrips	SU_TR	0.98	7.08
tblVehicleTrips	WD_TR	11.01	7.08

2.0 Emissions Summary

2.1 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	12.0330	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						
Energy	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Mobile	6.4466	15.2164	71.9719	0.3355	22.2339	0.4855	22.7195	5.9321	0.4478	6.3799						
Total	**18.5291**	**15.6678**	**72.3975**	**0.3383**	**22.2339**	**0.5200**	**22.7539**	**5.9321**	**0.4822**	**6.4143**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	6.4466	15.2164	71.9719	0.3355	22.2339	0.4855	22.7195	5.9321	0.4478	6.3799						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	3,256.80	3,256.80	3256.80	10,491,654	10,491,654
Total	3,256.80	3,256.80	3,256.80	10,491,654	10,491,654

3.3 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 Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						

4.2 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 Office Building	4600	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Total		**0.0496**	**0.4510**	**0.3788**	**2.7100e-003**		**0.0343**	**0.0343**		**0.0343**	**0.0343**						

5.0 Area Detail

5.1 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					
Unmitigated	12.0330	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						

5.2 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	2.9207					0.0000	0.0000		0.0000	0.0000						
Consumer Products	9.1080					0.0000	0.0000		0.0000	0.0000						
Landscaping	4.2700e-003	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						
Total	**12.0330**	**4.2000e-004**	**0.0467**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**						

Leal Master Plan - General Office Space

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	460.00	1000sqft	10.56	460,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factor adjusted to reflect post-2020 conditions

Land Use - 460,000 square feet of office space

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	2.37	7.08
tblVehicleTrips	SU_TR	0.98	7.08
tblVehicleTrips	WD_TR	11.01	7.08

2.0 Emissions Summary

2.1 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	12.0330	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						
Energy	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Mobile	6.2892	15.7584	68.6703	0.3131	22.2339	0.4870	22.7209	5.9321	0.4491	6.3812						
Total	**18.3718**	**16.2098**	**69.0958**	**0.3158**	**22.2339**	**0.5215**	**22.7554**	**5.9321**	**0.4836**	**6.4157**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	6.2892	15.7584	68.6703	0.3131	22.2339	0.4870	22.7209	5.9321	0.4491	6.3812						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	3,256.80	3,256.80	3256.80	10,491,654	10,491,654
Total	3,256.80	3,256.80	3,256.80	10,491,654	10,491,654

3.3 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 Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						

4.2 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 Office Building	4600	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Total		**0.0496**	**0.4510**	**0.3788**	**2.7100e-003**		**0.0343**	**0.0343**		**0.0343**	**0.0343**						

5.0 Area Detail

5.1 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					
Unmitigated	12.0330	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						

5.2 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	2.9207					0.0000	0.0000		0.0000	0.0000						
Consumer Products	9.1080					0.0000	0.0000		0.0000	0.0000						
Landscaping	4.2700e-003	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						
Total	**12.0330**	**4.2000e-004**	**0.0467**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**						

Leal Master Plan - Medical Office Space

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	460.00	1000sqft	10.56	460,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 460,000 square feet of medical office space

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	8.96	23.23
tblVehicleTrips	SU_TR	1.55	23.23
tblVehicleTrips	WD_TR	36.13	23.23

2.0 Emissions Summary

2.1 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	12.0330	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						
Energy	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Mobile	19.9329	42.2795	203.3113	0.8924	58.7388	1.3061	60.0450	15.6718	1.2046	16.8764						
Total	**32.0155**	**42.7309**	**203.7369**	**0.8951**	**58.7388**	**1.3406**	**60.0794**	**15.6718**	**1.2391**	**16.9109**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	19.9329	42.2795	203.3113	0.8924	58.7388	1.3061	60.0450	15.6718	1.2046	16.8764						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	10,685.80	10,685.80	10685.80	27,717,454	27,717,454
Total	10,685.80	10,685.80	10,685.80	27,717,454	27,717,454

3.3 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
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						

4.2 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					
Medical Office Building	4600	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Total		**0.0496**	**0.4510**	**0.3788**	**2.7100e-003**		**0.0343**	**0.0343**		**0.0343**	**0.0343**						

5.0 Area Detail

5.1 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					
Unmitigated	12.0330	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						

5.2 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	2.9207					0.0000	0.0000		0.0000	0.0000						
Consumer Products	9.1080					0.0000	0.0000		0.0000	0.0000						
Landscaping	4.2700e-003	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						
Total	**12.0330**	**4.2000e-004**	**0.0467**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**						

Leal Master Plan - Medical Office Space

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	460.00	1000sqft	10.56	460,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 460,000 square feet of medical office space

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	8.96	23.23
tblVehicleTrips	SU_TR	1.55	23.23
tblVehicleTrips	WD_TR	36.13	23.23

2.0 Emissions Summary

2.1 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	12.0330	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						
Energy	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Mobile	19.4611	43.6839	197.6183	0.8328	58.7388	1.3110	60.0498	15.6718	1.2091	16.8809						
Total	**31.5437**	**44.1353**	**198.0438**	**0.8355**	**58.7388**	**1.3454**	**60.0843**	**15.6718**	**1.2435**	**16.9153**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	19.4611	43.6839	197.6183	0.8328	58.7388	1.3110	60.0498	15.6718	1.2091	16.8809						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	10,685.80	10,685.80	10685.80	27,717,454	27,717,454
Total	10,685.80	10,685.80	10,685.80	27,717,454	27,717,454

3.3 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
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						

4.2 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					
Medical Office Building	4600	0.0496	0.4510	0.3788	2.7100e-003		0.0343	0.0343		0.0343	0.0343						
Total		**0.0496**	**0.4510**	**0.3788**	**2.7100e-003**		**0.0343**	**0.0343**		**0.0343**	**0.0343**						

5.0 Area Detail

5.1 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					
Unmitigated	12.0330	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						

5.2 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	2.9207					0.0000	0.0000		0.0000	0.0000						
Consumer Products	9.1080					0.0000	0.0000		0.0000	0.0000						
Landscaping	4.2700e-003	4.2000e-004	0.0467	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004						
Total	**12.0330**	**4.2000e-004**	**0.0467**	**0.0000**		**1.7000e-004**	**1.7000e-004**		**1.7000e-004**	**1.7000e-004**						

Leal Master Plan - Hotel Rooms

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	450.00	Room	15.00	653,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 450 hotel rooms

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	8.19	5.25
tblVehicleTrips	SU_TR	5.95	5.25
tblVehicleTrips	WD_TR	8.17	5.25

2.0 Emissions Summary

2.1 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	17.0901	4.1000e-004	0.0457	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004						
Energy	1.2143	11.0392	9.2729	0.0662		0.8390	0.8390		0.8390	0.8390						
Mobile	4.3178	8.7880	42.5474	0.1820	11.9466	0.2678	12.2144	3.1874	0.2470	3.4344						
Total	**22.6222**	**19.8276**	**51.8660**	**0.2483**	**11.9466**	**1.1069**	**13.0535**	**3.1874**	**1.0861**	**4.2735**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	4.3178	8.7880	42.5474	0.1820	11.9466	0.2678	12.2144	3.1874	0.2470	3.4344						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	2,362.50	2,362.50	2362.50	5,637,329	5,637,329
Total	2,362.50	2,362.50	2,362.50	5,637,329	5,637,329

3.3 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
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	1.2143	11.0392	9.2729	0.0662		0.8390	0.8390		0.8390	0.8390						

4.2 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					
Hotel	112600	1.2143	11.0392	9.2729	0.0662		0.8390	0.8390		0.8390	0.8390						
Total		**1.2143**	**11.0392**	**9.2729**	**0.0662**		**0.8390**	**0.8390**		**0.8390**	**0.8390**						

5.0 Area Detail

5.1 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					
Unmitigated	17.0901	4.1000e-004	0.0457	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004						

5.2 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	4.1486					0.0000	0.0000		0.0000	0.0000						
Consumer Products	12.9373					0.0000	0.0000		0.0000	0.0000						
Landscaping	4.1800e-003	4.1000e-004	0.0457	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004						
Total	**17.0901**	**4.1000e-004**	**0.0457**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**						

Leal Master Plan - Hotel Rooms

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	450.00	Room	15.00	653,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 450 hotel rooms

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	8.19	5.25
tblVehicleTrips	SU_TR	5.95	5.25
tblVehicleTrips	WD_TR	8.17	5.25

2.0 Emissions Summary

2.1 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	17.0901	4.1000e-004	0.0457	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004						
Energy	1.2143	11.0392	9.2729	0.0662		0.8390	0.8390		0.8390	0.8390						
Mobile	4.2167	9.0712	41.6648	0.1699	11.9466	0.2689	12.2155	3.1874	0.2480	3.4354						
Total	**22.5212**	**20.1108**	**50.9834**	**0.2361**	**11.9466**	**1.1080**	**13.0546**	**3.1874**	**1.0871**	**4.2745**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	4.2167	9.0712	41.6648	0.1699	11.9466	0.2689	12.2155	3.1874	0.2480	3.4354						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	2,362.50	2,362.50	2362.50	5,637,329	5,637,329
Total	2,362.50	2,362.50	2,362.50	5,637,329	5,637,329

3.3 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
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	1.2143	11.0392	9.2729	0.0662		0.8390	0.8390		0.8390	0.8390						

4.2 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					
Hotel	112600	1.2143	11.0392	9.2729	0.0662		0.8390	0.8390		0.8390	0.8390						
Total		**1.2143**	**11.0392**	**9.2729**	**0.0662**		**0.8390**	**0.8390**		**0.8390**	**0.8390**						

5.0 Area Detail

5.1 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					
Unmitigated	17.0901	4.1000e-004	0.0457	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004						

5.2 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	4.1486					0.0000	0.0000		0.0000	0.0000						
Consumer Products	12.9373					0.0000	0.0000		0.0000	0.0000						
Landscaping	4.1800e-003	4.1000e-004	0.0457	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004						
Total	**17.0901**	**4.1000e-004**	**0.0457**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**						

Leal Master Plan - Shopping Center

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	1,525.00	1000sqft	35.01	1,525,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 1,525,000 square feet of shopping center land uses

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	49.97	27.62
tblVehicleTrips	SU_TR	25.24	27.62
tblVehicleTrips	WD_TR	42.94	27.62

2.0 Emissions Summary

2.1 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	39.8919	1.3900e-003	0.1548	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004						
Energy	0.1045	0.9503	0.7983	5.7000e-003		0.0722	0.0722		0.0722	0.0722						
Mobile	75.2711	145.9545	712.5151	2.9531	193.0593	4.3716	197.4309	51.5091	4.0323	55.5414						
Total	**115.2675**	**146.9062**	**713.4682**	**2.9588**	**193.0593**	**4.4444**	**197.5036**	**51.5091**	**4.1050**	**55.6141**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	75.2711	145.9545	712.5151	2.9531	193.0593	4.3716	197.4309	51.5091	4.0323	55.5414						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	42,120.50	42,120.50	42120.50	91,100,069	91,100,069
Total	42,120.50	42,120.50	42,120.50	91,100,069	91,100,069

3.3 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
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.1045	0.9503	0.7983	5.7000e-003		0.0722	0.0722		0.0722	0.0722						

4.2 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					
Regional Shopping Center	9693.15	0.1045	0.9503	0.7983	5.7000e-003		0.0722	0.0722		0.0722	0.0722						
Total		**0.1045**	**0.9503**	**0.7983**	**5.7000e-003**		**0.0722**	**0.0722**		**0.0722**	**0.0722**						

5.0 Area Detail

5.1 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					
Unmitigated	39.8919	1.3900e-003	0.1548	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004						

5.2 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	9.6827					0.0000	0.0000		0.0000	0.0000						
Consumer Products	30.1950					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0142	1.3900e-003	0.1548	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004						
Total	**39.8919**	**1.3900e-003**	**0.1548**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**						

Leal Master Plan - Shopping Center

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	1,525.00	1000sqft	35.01	1,525,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect post-2020 conditions

Land Use - 1,525,000 square feet of shopping center land uses

Vehicle Trips - Trip generation derived from Traffic Impact Analysis

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	49.97	27.62
tblVehicleTrips	SU_TR	25.24	27.62
tblVehicleTrips	WD_TR	42.94	27.62

2.0 Emissions Summary

2.1 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	39.8919	1.3900e-003	0.1548	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004						
Energy	0.1045	0.9503	0.7983	5.7000e-003		0.0722	0.0722		0.0722	0.0722						
Mobile	73.5319	150.4778	703.9888	2.7565	193.0593	4.3907	197.4500	51.5091	4.0499	55.5590						
Total	**113.5283**	**151.4295**	**704.9418**	**2.7622**	**193.0593**	**4.4635**	**197.5228**	**51.5091**	**4.1226**	**55.6317**						

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	73.5319	150.4778	703.9888	2.7565	193.0593	4.3907	197.4500	51.5091	4.0499	55.5590						

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	42,120.50	42,120.50	42120.50	91,100,069	91,100,069
Total	42,120.50	42,120.50	42,120.50	91,100,069	91,100,069

3.3 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
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated	0.1045	0.9503	0.7983	5.7000e-003		0.0722	0.0722		0.0722	0.0722						

4.2 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					
Regional Shopping Center	9693.15	0.1045	0.9503	0.7983	5.7000e-003		0.0722	0.0722		0.0722	0.0722						
Total		**0.1045**	**0.9503**	**0.7983**	**5.7000e-003**		**0.0722**	**0.0722**		**0.0722**	**0.0722**						

5.0 Area Detail

5.1 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					
Unmitigated	39.8919	1.3900e-003	0.1548	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004						

5.2 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	9.6827					0.0000	0.0000		0.0000	0.0000						
Consumer Products	30.1950					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0142	1.3900e-003	0.1548	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004						
Total	**39.8919**	**1.3900e-003**	**0.1548**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**						

APPENDIX 3.3-B: CARBON MONOXIDE HOTSPOT CONCENTRATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Limonite Ave - Archibald to Harrison
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	0.5 M/S	Z0=	100. CM	ALT=	198.1 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	300. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	8.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. Limonite	-1300	0	1300	0	AG	4192	6.3	0.0	86.0

III. RECEPTOR LOCATIONS AND MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	COORDINATES (FT) X	Y	Z	BRG (DEG)	PRED CONC (PPM)
1. 1	-1300	40	1.8	93.	4.1
2. 2	-1100	-40	1.8	87.	4.1
3. 3	-900	40	1.8	93.	4.1
4. 4	-800	-40	1.8	87.	4.0
5. 5	-700	40	1.8	93.	4.0
6. 6	-600	-40	1.8	87.	4.0
7. 7	-500	40	1.8	93.	4.0
8. 8	-400	-40	1.8	87.	3.9
9. 9	-300	40	1.8	93.	3.9
10. 10	-200	-40	1.8	87.	3.8
11. 11	-100	40	1.8	94.	3.8
12. 12	0	-40	1.8	86.	3.8
13. 13	100	40	1.8	266.	3.8
14. 14	200	-40	1.8	273.	3.8
15. 15	400	40	1.8	267.	3.9
16. 16	500	-40	1.8	273.	4.0
17. 17	600	40	1.8	267.	4.0
18. 18	800	-40	1.8	273.	4.0
19. 19	1000	40	1.8	267.	4.1

♀

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Limonite Ave - Harrison to Scholar
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	0.5 M/S	Z0=	100. CM	ALT=	198.1 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	300. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	8.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. Limonite	-2600	0	2600	0	AG	4756	6.3	0.0	86.0

III. RECEPTOR LOCATIONS AND MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	COORDINATES (FT) X	Y	Z	BRG (DEG)	PRED CONC (PPM)
1. 1	-2600	40	1.8	93.	4.8
2. 2	-2300	-40	1.8	87.	4.8
3. 3	-2000	40	1.8	93.	4.8
4. 4	-1700	-40	1.8	87.	4.7
5. 5	-1400	40	1.8	93.	4.7
6. 6	-1100	-40	1.8	87.	4.7
7. 7	-800	40	1.8	93.	4.7
8. 8	-500	-40	1.8	87.	4.6
9. 9	-200	40	1.8	93.	4.6
10. 10	0	-40	1.8	87.	4.6
11. 11	300	40	1.8	267.	4.6
12. 12	600	-40	1.8	273.	4.6
13. 13	900	40	1.8	267.	4.7
14. 14	1200	-40	1.8	273.	4.7
15. 15	1500	40	1.8	267.	4.7
16. 16	1800	-40	1.8	273.	4.7
17. 17	2000	40	1.8	267.	4.8
18. 18	2300	-40	1.8	273.	4.8
19. 19	2600	40	1.8	267.	4.8

♀

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Limonite Ave - Scholar to Hamner
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	0.5 M/S	Z0=	100. CM	ALT=	198.1 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	300. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	8.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. Limonite	-1300	0	1300	0	AG	6705	6.3	0.0	86.0

III. RECEPTOR LOCATIONS AND MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	COORDINATES (FT) X	Y	Z	BRG (DEG)	PRED CONC (PPM)
1. 1	-1300	40	1.8	93.	6.0
2. 2	-1100	-40	1.8	87.	5.9
3. 3	-900	40	1.8	93.	5.9
4. 4	-800	-40	1.8	87.	5.8
5. 5	-600	40	1.8	93.	5.8
6. 6	-500	-40	1.8	87.	5.7
7. 7	-400	40	1.8	93.	5.7
8. 8	-300	-40	1.8	86.	5.7
9. 9	-200	40	1.8	94.	5.6
10. 10	0	-40	1.8	86.	5.5
11. 11	200	40	1.8	266.	5.6
12. 12	300	-40	1.8	274.	5.7
13. 13	400	40	1.8	267.	5.7
14. 14	500	-40	1.8	273.	5.7
15. 15	600	40	1.8	267.	5.8
16. 16	800	-40	1.8	273.	5.8
17. 17	900	40	1.8	267.	5.9
18. 18	1100	-40	1.8	273.	5.9
19. 19	1300	40	1.8	267.	6.0
20. 20	1300	-40	1.8	273.	6.0

♀

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Limonite Ave - Hamner to I-15
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	0.5 M/S	Z0=	100. CM	ALT=	198.1 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	300. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	8.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. Limonite	-1300	0	1300	0	AG	8122	6.3	0.0	86.0

III. RECEPTOR LOCATIONS AND MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	COORDINATES (FT) X	Y	Z	BRG (DEG)	PRED CONC (PPM)
1. 1	-1300	40	1.8	93.	7.1
2. 2	-1100	-40	1.8	87.	7.1
3. 3	-900	40	1.8	93.	7.0
4. 4	-800	-40	1.8	87.	7.0
5. 5	-600	40	1.8	93.	6.9
6. 6	-500	-40	1.8	87.	6.9
7. 7	-400	40	1.8	93.	6.8
8. 8	-300	-40	1.8	86.	6.8
9. 9	-200	40	1.8	94.	6.7
10. 10	0	-40	1.8	86.	6.6
11. 11	200	40	1.8	266.	6.7
12. 12	300	-40	1.8	274.	6.8
13. 13	400	40	1.8	267.	6.8
14. 14	500	-40	1.8	273.	6.9
15. 15	600	40	1.8	267.	6.9
16. 16	800	-40	1.8	273.	7.0
17. 17	900	40	1.8	267.	7.0
18. 18	1100	-40	1.8	273.	7.1
19. 19	1300	40	1.8	267.	7.1
20. 20	1300	-40	1.8	273.	7.1

♀

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Limonite Ave - I-15 to Wineville
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	0.5 M/S	Z0=	100. CM	ALT=	198.1 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	300. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	8.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. Limonite	-1300	0	1300	0	AG	5943	6.3	0.0	86.0

III. RECEPTOR LOCATIONS AND MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	COORDINATES (FT) X	Y	Z	BRG (DEG)	PRED CONC (PPM)
1. 1	-1300	40	1.8	93.	5.4
2. 2	-1100	-40	1.8	87.	5.4
3. 3	-900	40	1.8	93.	5.3
4. 4	-800	-40	1.8	87.	5.3
5. 5	-600	40	1.8	93.	5.3
6. 6	-500	-40	1.8	87.	5.2
7. 7	-400	40	1.8	93.	5.2
8. 8	-300	-40	1.8	86.	5.1
9. 9	-200	40	1.8	94.	5.1
10. 10	0	-40	1.8	86.	5.0
11. 11	200	40	1.8	266.	5.1
12. 12	300	-40	1.8	274.	5.1
13. 13	400	40	1.8	267.	5.2
14. 14	500	-40	1.8	273.	5.2
15. 15	600	40	1.8	267.	5.3
16. 16	800	-40	1.8	273.	5.3
17. 17	900	40	1.8	267.	5.3
18. 18	1100	-40	1.8	273.	5.4
19. 19	1300	40	1.8	267.	5.4
20. 20	1300	-40	1.8	273.	5.4

♀

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Hamner - Limonite to Bellegrave
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U=	0.5 M/S	Z0=	100. CM	ALT=	198.1 (M)
BRG=	WORST CASE	VD=	0.0 CM/S		
CLAS=	7 (G)	VS=	0.0 CM/S		
MIXH=	300. M	AMB=	0.0 PPM		
SIGTH=	5. DEGREES	TEMP=	8.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. Hamner	-2400	0	2400	0	AG	5020	6.3	0.0	86.0

III. RECEPTOR LOCATIONS AND MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	COORDINATES (FT) X	Y	Z	BRG (DEG)	PRED CONC (PPM)
1. 1	-2400	40	1.8	93.	5.0
2. 2	-2000	-40	1.8	87.	4.9
3. 3	-1600	40	1.8	93.	4.9
4. 4	-1200	-40	1.8	87.	4.9
5. 5	-800	40	1.8	93.	4.8
6. 6	-500	-40	1.8	87.	4.8
7. 7	-400	40	1.8	93.	4.8
8. 8	-300	-40	1.8	87.	4.8
9. 9	-200	40	1.8	93.	4.8
10. 10	0	-40	1.8	87.	4.7
11. 11	0	40	1.8	93.	4.7
12. 12	200	-40	1.8	273.	4.8
13. 13	300	40	1.8	267.	4.8
14. 14	400	-40	1.8	273.	4.8
15. 15	500	40	1.8	267.	4.8
16. 16	800	-40	1.8	273.	4.8
17. 17	1200	40	1.8	267.	4.9
18. 18	1600	-40	1.8	273.	4.9
19. 19	2000	40	1.8	267.	4.9
20. 20	2400	-40	1.8	273.	5.0

♀

APPENDIX 3.3-C:
AIR QUALITY BACKGROUND DATA

AMBIENT AIR QUALITY IN EASTVALE

Ozone (O_3), coarse particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$) are the pollutants most potently affecting the South Coast Air Basin (SoCAB). Ambient air quality in Eastvale can be inferred from ambient air quality measurements conducted at nearby air quality monitoring stations. Existing levels of ambient air quality and historical trends and projections in the vicinity of Eastvale are documented by measurements made by the South Coast Air Quality Management District (SCAQMD), the air pollution regulatory agency in the SoCAB that maintains air quality monitoring stations processing ambient air quality measurements.

The Van Buren – Mira Loma air quality monitoring station is the closest station to the project site at approximately 4.5 miles to the east of the project site. This station monitors ambient concentrations of O_3 PM_{10}, and $PM_{2.5}$. Ambient emission concentrations will vary due to localized variations in emission sources and climate and should be considered "generally" representative of ambient concentrations in Eastvale. **Table 1** summarizes the published data since 2012 from the Van Buren – Mira Loma air quality monitoring station for each year that monitoring data is provided.

TABLE 1
SUMMARY OF AMBIENT AIR QUALITY DATA

Pollutant Standards	2012	2013	2014
Van Buren – Mira Loma Monitoring Station			
Ozone			
Max 1-hour concentration (ppm)	0.124	0.118	0.138
Max 8-hour concentration (ppm) (state/federal)	0.103 / 0.102	0.097 / 0.096	0.103 / 0.102
Number of days above state 1-hour standard	31	11	17
Number of days above state/federal 8-hour standard	72 / 47	32 / 21	55 / 29
Fine Particulate Matter ($PM_{2.5}$)			
Max 24-hour concentration (μg/m3) (state/federal)	47.7 / 39.3	83.2 / 56.5	73.6 / 73.6
Number of days above federal standard	7.0	9.2	*
Course Particulate Matter (PM_{10})			
Max 24-hour concentration (μg/m3) (state/federal)	76.0 / 78.0	143.0 / 147.0	83.0 / 85.0
Number of days above state/federal standard	98.2 / 0	73.0 / 0	89.1 / 0

Source: CARB 2015

μg/m3 = micrograms per cubic meter; ppm = parts per million

** No data currently available to determine the value*

AMBIENT AIR QUALITY STANDARDS

Both the State of California and the federal government have established health-based ambient air quality standards for six air pollutants. As shown in **Table 2**, these pollutants include O_3, carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), PM_{10}, $PM_{2.5}$, and lead. In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

TABLE 2
AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards	National Standards
Ozone (O_3)	8 Hour	0.070 ppm (137$\mu g/m^3$)	0.075 ppm
	1 Hour	0.09 ppm (180 $\mu g/m^3$)	—
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m^3)	9 ppm (10 mg/m^3)
	1 Hour	20 ppm (23 mg/m^3)	35 ppm (40 mg/m^3)
Nitrogen Dioxide (NO_2)	1 Hour	0.18 ppm (339 $\mu g/m^3$)	100 ppb
	Annual Arithmetic Mean	0.030 ppm (57 $\mu g/m^3$)	53 ppb (100 $\mu g/m^3$)
Sulfur Dioxide (SO_2)	24 Hour	0.04 ppm (105 $\mu g/m^3$)	N/A
	3 Hour	—	N/A
	1 Hour	0.25 ppm (665 $\mu g/m^3$)	75 ppb
Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 $\mu g/m^3$	N/A
	24 Hour	50 $\mu g/m^3$	150 $\mu g/m^3$
Particulate Matter – Fine ($PM_{2.5}$)	Annual Arithmetic Mean	12 $\mu g/m^3$	15 $\mu g/m^3$
	24 Hour	N/A	35 $\mu g/m^3$
Sulfates	24 Hour	25 $\mu g/m^3$	N/A
Lead	Calendar Quarter	N/A	1.5 $\mu g/m^3$
	30 Day Average	1.5 $\mu g/m^3$)	N/A
Hydrogen Sulfide	1 Hour	0.03 ppm (42 $\mu g/m^3$)	N/A
Vinyl Chloride (chloroethene)	24 Hour	0.01 ppm (26 $\mu g/m^3$)	N/A
Visibility-Reducing Particles	8 Hour (10:00 to 18:00 PST)	—	N/A

Source: CARB 2013
Notes: mg/m^3 = milligrams per cubic meter; ppm = parts per million; ppb = parts per billion; $\mu g/m^3$ = micrograms per cubic meter

REFERENCES

CARB 2013. *Ambient Air Quality Standards*. http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.

———. 2015. *Air Quality Data Statistics.* http://www.arb.ca.gov/adam/index.html.

APPENDIX 3.4:
GREENHOUSE GAS EMISSION QUANTIFICATION

Leal Master Plan - Buildout Business As Usual

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	660.00	Dwelling Unit	41.25	660,000.00	1888
Regional Shopping Center	1,525.00	1000sqft	35.01	1,525,000.00	0
General Office Building	460.00	1000sqft	10.56	460,000.00	0
Medical Office Building	460.00	1000sqft	10.56	460,000.00	0
Hotel	450.00	Room	15.00	653,400.00	0
Government (Civic Center)	100.00	1000sqft	2.30	100,000.00	0
Other Asphalt Surfaces	45.32	Acre	45.32	1,974,139.20	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2005
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	654.19	**CH4 Intensity (lb/MWhr)**	0.028	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2005 SCE Intensity Factors

Land Use - Land uses account for roads and parking lots

Construction Phase - No construction this model

Vehicle Trips - Trip generation per Traffic Imapct Analysis

Woodstoves - No hearths

Energy Use - Historic energy use

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	20.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	561.00	0.00
tblFireplaces	NumberNoFireplace	66.00	660.00
tblFireplaces	NumberWood	33.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.028
tblProjectCharacteristics	CO2IntensityFactor	630.89	654.19
tblProjectCharacteristics	OperationalYear	2014	2005
tblVehicleTrips	ST_TR	7.16	4.23
tblVehicleTrips	ST_TR	2.37	7.08
tblVehicleTrips	ST_TR	0.00	17.95
tblVehicleTrips	ST_TR	8.19	5.25
tblVehicleTrips	ST_TR	8.96	23.23
tblVehicleTrips	ST_TR	49.97	27.62
tblVehicleTrips	SU_TR	6.07	4.23
tblVehicleTrips	SU_TR	0.98	7.08
tblVehicleTrips	SU_TR	0.00	17.95
tblVehicleTrips	SU_TR	5.95	5.25
tblVehicleTrips	SU_TR	1.55	23.23
tblVehicleTrips	SU_TR	25.24	27.62
tblVehicleTrips	WD_TR	6.59	4.23
tblVehicleTrips	WD_TR	11.01	7.08
tblVehicleTrips	WD_TR	27.92	17.95
tblVehicleTrips	WD_TR	8.17	5.25
tblVehicleTrips	WD_TR	36.13	23.23
tblVehicleTrips	WD_TR	42.94	27.62
tblWoodstoves	NumberCatalytic	33.00	0.00
tblWoodstoves	NumberNoncatalytic	33.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	11.1935	11.1935	0.0182	0.0000	11.5748
Energy											0.0000	19,630.6652	19,630.6652	0.7555	0.2129	19,712.5231
Mobile											0.0000	79,843.2082	79,843.2082	7.1126	0.0000	79,992.5726
Waste											1,647.6837	0.0000	1,647.6837	97.3753	0.0000	3,692.5654
Water											103.6538	1,825.7706	1,929.4244	10.7244	0.2681	2,237.7554
Total											**1,751.3375**	**101,310.8375**	**103,062.1750**	**115.9860**	**0.4810**	**105,646.9914**

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated											0.0000	79,843.2082	79,843.2082	7.1126	0.0000	79,992.5726

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,791.80	2,791.80	2791.80	9,540,005	9,540,005
General Office Building	3,256.80	3,256.80	3256.80	10,491,654	10,491,654
Government (Civic Center)	1,795.00	1,795.00	1795.00	5,543,194	5,543,194
Hotel	2,362.50	2,362.50	2362.50	5,637,329	5,637,329
Medical Office Building	10,685.80	10,685.80	10685.80	27,717,454	27,717,454
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	42,120.50	42,120.50	42120.50	91,100,069	91,100,069
Total	63,012.40	63,012.40	63,012.40	150,029,705	150,029,705

3.3 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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.437815	0.104647	0.233388	0.126882	0.026947	0.007657	0.012555	0.032638	0.000710	0.000618	0.011525	0.000974	0.003644

4.0 Energy Detail

Historical Energy Use: Y

4.1 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 Unmitigated											0.0000	16,047.0346	16,047.0346	0.6868	0.1472	16,107.0831
NaturalGas Unmitigated											0.0000	3,583.6307	3,583.6307	0.0687	0.0657	3,605.4400

4.2 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					
Condo/Townhouse	1.44767e+007											0.0000	772.5310	772.5310	0.0148	0.0142	777.2325
General Office Building	1.932e+006											0.0000	103.0989	103.0989	1.9800e-003	1.8900e-003	103.7263
Government (Civic Center)	420000											0.0000	22.4128	22.4128	4.3000e-004	4.1000e-004	22.5492
Hotel	4.44443e+007											0.0000	2,371.7154	2,371.7154	0.0455	0.0435	2,386.1493
Medical Office Building	1.932e+006											0.0000	103.0989	103.0989	1.9800e-003	1.8900e-003	103.7263
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.94975e+006											0.0000	210.7737	210.7737	4.0400e-003	3.8600e-003	212.0564
Total												**0.0000**	**3,583.6307**	**3,583.6307**	**0.0687**	**0.0657**	**3,605.4400**

4.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	3.33986e+006	991.0546	0.0424	9.0900e-003	994.7631
General Office Building	5.1842e+006	1,538.3367	0.0658	0.0141	1,544.0932
Government (Civic Center)	1.127e+006	334.4210	0.0143	3.0700e-003	335.6724
Hotel	1.39436e+007	4,137.5494	0.1771	0.0380	4,153.0322
Medical Office Building	5.1842e+006	1,538.3367	0.0658	0.0141	1,544.0932
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.52998e+007	7,507.3363	0.3213	0.0689	7,535.4290
Total		**16,047.0346**	**0.6868**	**0.1472**	**16,107.0831**

5.0 Area Detail

5.1 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					
Unmitigated											0.0000	11.1935	11.1935	0.0182	0.0000	11.5748

5.2 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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											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
Landscaping											0.0000	11.1935	11.1935	0.0182	0.0000	11.5748
Total											**0.0000**	**11.1935**	**11.1935**	**0.0182**	**0.0000**	**11.5748**

6.0 Water Detail

6.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,929.4244	10.7244	0.2681	2,237.7554

6.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	43.0017 / 27.1097	269.1656	1.4122	0.0354	309.8037
General Office Building	81.7575 / 50.1095	507.0296	2.6847	0.0673	584.2757
Government (Civic Center)	19.866 / 12.1759	123.2013	0.6523	0.0164	141.9711
Hotel	11.415 / 1.26834	51.9082	0.3740	9.2300e-003	62.6227
Medical Office Building	57.721 / 10.9945	277.5804	1.8919	0.0468	331.8155
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	112.961 / 69.2339	700.5394	3.7093	0.0930	807.2668
Total		**1,929.4244**	**10.7244**	**0.2681**	**2,237.7554**

7.0 Waste Detail

7.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	1,647.6837	97.3753	0.0000	3,692.5654

7.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	303.6	61.6281	3.6421	0.0000	138.1125
General Office Building	427.8	86.8395	5.1321	0.0000	194.6130
Government (Civic Center)	570	115.7049	6.8380	0.0000	259.3020
Hotel	246.38	50.0129	2.9557	0.0000	112.0822
Medical Office Building	4968	1,008.4591	59.5982	0.0000	2,260.0218
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1601.25	325.0393	19.2093	0.0000	728.4340
Total		**1,647.6837**	**97.3753**	**0.0000**	**3,692.5654**

Leal Master Plan - Buildout (2020 Conditions)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	460.00	1000sqft	10.56	460,000.00	0
Government (Civic Center)	100.00	1000sqft	2.30	100,000.00	0
Medical Office Building	460.00	1000sqft	10.56	460,000.00	0
Other Asphalt Surfaces	45.32	Acre	45.32	1,974,139.20	0
Hotel	450.00	Room	15.00	653,400.00	0
Condo/Townhouse	660.00	Dwelling Unit	41.25	660,000.00	1888
Regional Shopping Center	1,525.00	1000sqft	35.01	1,525,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE's projected 2020 intensity factors

Land Use - Land uses account for roads and parking lots

Construction Phase - No construction this model

Vehicle Trips - Trip Generation per Traffic Impact Analysis

Woodstoves - No hearths

Energy Use - 2013 Building Standards

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	561.00	0.00
tblFireplaces	NumberNoFireplace	66.00	660.00
tblFireplaces	NumberWood	33.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	ST_TR	7.16	4.23
tblVehicleTrips	ST_TR	2.37	7.08
tblVehicleTrips	ST_TR	0.00	17.95
tblVehicleTrips	ST_TR	8.19	5.25
tblVehicleTrips	ST_TR	8.96	23.23
tblVehicleTrips	ST_TR	49.97	27.62
tblVehicleTrips	SU_TR	6.07	4.23
tblVehicleTrips	SU_TR	0.98	7.08
tblVehicleTrips	SU_TR	0.00	17.95
tblVehicleTrips	SU_TR	5.95	5.25
tblVehicleTrips	SU_TR	1.55	23.23
tblVehicleTrips	SU_TR	25.24	27.62
tblVehicleTrips	WD_TR	6.59	4.23
tblVehicleTrips	WD_TR	11.01	7.08
tblVehicleTrips	WD_TR	27.92	17.95
tblVehicleTrips	WD_TR	8.17	5.25
tblVehicleTrips	WD_TR	36.13	23.23
tblVehicleTrips	WD_TR	42.94	27.62
tblWoodstoves	NumberCatalytic	33.00	0.00
tblWoodstoves	NumberNoncatalytic	33.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	11.1935	11.1935	0.0110	0.0000	11.4254
Energy											0.0000	14,711.7128	14,711.7128	0.5515	0.1536	14,770.9112
Mobile											0.0000	57,084.9105	57,084.9105	1.7309	0.0000	57,121.2592
Waste											1,647.6837	0.0000	1,647.6837	97.3753	0.0000	3,692.5654
Water											103.6538	1,369.3210	1,472.9748	10.7048	0.2625	1,779.1652
Total											**1,751.3375**	**73,177.1378**	**74,928.4753**	**110.3736**	**0.4161**	**77,375.3264**

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated											0.0000	57,084.9105	57,084.9105	1.7309	0.0000	57,121.2592

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,791.80	2,791.80	2791.80	9,540,005	9,540,005
General Office Building	3,256.80	3,256.80	3256.80	10,491,654	10,491,654
Government (Civic Center)	1,795.00	1,795.00	1795.00	5,543,194	5,543,194
Hotel	2,362.50	2,362.50	2362.50	5,637,329	5,637,329
Medical Office Building	10,685.80	10,685.80	10685.80	27,717,454	27,717,454
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	42,120.50	42,120.50	42120.50	91,100,069	91,100,069
Total	63,012.40	63,012.40	63,012.40	150,029,705	150,029,705

3.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.457065	0.068684	0.178597	0.172280	0.046891	0.007460	0.012475	0.043976	0.000902	0.001056	0.006515	0.000828	0.003272

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated											0.0000	11,405.3174	11,405.3174	0.4882	0.0930	11,444.3936
NaturalGas Unmitigated											0.0000	3,306.3954	3,306.3954	0.0634	0.0606	3,326.5176

4.2 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					
Condo/Townhouse	1.35996e+007											0.0000	725.7291	725.7291	0.0139	0.0133	730.1458
General Office Building	1.679e+006											0.0000	89.5978	89.5978	1.7200e-003	1.6400e-003	90.1431
Government (Civic Center)	365000											0.0000	19.4778	19.4778	3.7000e-004	3.6000e-004	19.5963
Hotel	4.10989e+007											0.0000	2,193.1917	2,193.1917	0.0420	0.0402	2,206.5391
Medical Office Building	1.679e+006											0.0000	89.5978	89.5978	1.7200e-003	1.6400e-003	90.1431
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.538e+006											0.0000	188.8012	188.8012	3.6200e-003	3.4600e-003	189.9502
Total												**0.0000**	**3,306.3954**	**3,306.3954**	**0.0634**	**0.0606**	**3,326.5176**

4.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	3.21849e+006	716.2768	0.0307	5.8400e-003	718.7308
General Office Building	4.9174e+006	1,094.3701	0.0468	8.9200e-003	1,098.1196
Government (Civic Center)	1.069e+006	237.9066	0.0102	1.9400e-003	238.7217
Hotel	1.32444e+007	2,947.5527	0.1262	0.0240	2,957.6514
Medical Office Building	4.9174e+006	1,094.3701	0.0468	8.9200e-003	1,098.1196
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.38815e+007	5,314.8412	0.2275	0.0433	5,333.0506
Total		**11,405.3174**	**0.4882**	**0.0930**	**11,444.3936**

5.0 Area Detail

5.1 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					
Unmitigated											0.0000	11.1935	11.1935	0.0110	0.0000	11.4254

5.2 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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											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
Landscaping											0.0000	11.1935	11.1935	0.0110	0.0000	11.4254
Total											**0.0000**	**11.1935**	**11.1935**	**0.0110**	**0.0000**	**11.4254**

6.0 Water Detail

6.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,472.9748	10.7048	0.2625	1,779.1652

6.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	43.0017 / 27.1097	205.2838	1.4094	0.0347	245.6223
General Office Building	81.7575 / 50.1095	386.7548	2.6795	0.0659	463.4369
Government (Civic Center)	19.866 / 12.1759	93.9762	0.6511	0.0160	112.6089
Hotel	11.415 / 1.26834	39.8364	0.3735	9.0800e-003	50.4942
Medical Office Building	57.721 / 10.9945	212.7623	1.8892	0.0460	266.6935
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	112.961 / 69.2339	534.3613	3.7022	0.0910	640.3093
Total		**1,472.9748**	**10.7048**	**0.2626**	**1,779.1652**

7.0 Waste Detail

7.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	1,647.6837	97.3753	0.0000	3,692.5654

7.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	303.6	61.6281	3.6421	0.0000	138.1125
General Office Building	427.8	86.8395	5.1321	0.0000	194.6130
Government (Civic Center)	570	115.7049	6.8380	0.0000	259.3020
Hotel	246.38	50.0129	2.9557	0.0000	112.0822
Medical Office Building	4968	1,008.4591	59.5982	0.0000	2,260.0218
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1601.25	325.0393	19.2093	0.0000	728.4340
Total		**1,647.6837**	**97.3753**	**0.0000**	**3,692.5654**

Leal Master Plan - Buildout (2035 Conditions)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	460.00	1000sqft	10.56	460,000.00	0
Government (Civic Center)	100.00	1000sqft	2.30	100,000.00	0
Medical Office Building	460.00	1000sqft	10.56	460,000.00	0
Other Asphalt Surfaces	45.32	Acre	45.32	1,974,139.20	0
Hotel	450.00	Room	15.00	653,400.00	0
Condo/Townhouse	660.00	Dwelling Unit	41.25	660,000.00	1888
Regional Shopping Center	1,525.00	1000sqft	35.01	1,525,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	490.64	**CH4 Intensity (lb/MWhr)**	0.021	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE's projected 2020 intensity factors

Land Use - Land uses account for roads and parking lots

Construction Phase - No construction this model

Vehicle Trips - Trip Generation per Traffic Impact Analysis

Woodstoves - No hearths

Energy Use - 2013 Building Standards

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	561.00	0.00
tblFireplaces	NumberNoFireplace	66.00	660.00
tblFireplaces	NumberWood	33.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	630.89	490.64
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblVehicleTrips	ST_TR	7.16	4.23
tblVehicleTrips	ST_TR	2.37	7.08
tblVehicleTrips	ST_TR	0.00	17.95
tblVehicleTrips	ST_TR	8.19	5.25
tblVehicleTrips	ST_TR	8.96	23.23
tblVehicleTrips	ST_TR	49.97	27.62
tblVehicleTrips	SU_TR	6.07	4.23
tblVehicleTrips	SU_TR	0.98	7.08
tblVehicleTrips	SU_TR	0.00	17.95
tblVehicleTrips	SU_TR	5.95	5.25
tblVehicleTrips	SU_TR	1.55	23.23
tblVehicleTrips	SU_TR	25.24	27.62
tblVehicleTrips	WD_TR	6.59	4.23
tblVehicleTrips	WD_TR	11.01	7.08
tblVehicleTrips	WD_TR	27.92	17.95
tblVehicleTrips	WD_TR	8.17	5.25
tblVehicleTrips	WD_TR	36.13	23.23
tblVehicleTrips	WD_TR	42.94	27.62
tblWoodstoves	NumberCatalytic	33.00	0.00
tblWoodstoves	NumberNoncatalytic	33.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	11.1935	11.1935	0.0108	0.0000	11.4199
Energy											0.0000	14,711.7128	14,711.7128	0.5515	0.1536	14,770.9112
Mobile											0.0000	54,037.4673	54,037.4673	1.2258	0.0000	54,063.2099
Waste											1,647.6837	0.0000	1,647.6837	97.3753	0.0000	3,692.5654
Water											103.6538	1,369.3210	1,472.9748	10.7048	0.2625	1,779.1652
Total											**1,751.3375**	**70,129.6946**	**71,881.0321**	**109.8683**	**0.4161**	**74,317.2716**

3.0 Operational Detail - Mobile

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated											0.0000	54,037.4673	54,037.4673	1.2258	0.0000	54,063.2099

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,791.80	2,791.80	2791.80	9,540,005	9,540,005
General Office Building	3,256.80	3,256.80	3256.80	10,491,654	10,491,654
Government (Civic Center)	1,795.00	1,795.00	1795.00	5,543,194	5,543,194
Hotel	2,362.50	2,362.50	2362.50	5,637,329	5,637,329
Medical Office Building	10,685.80	10,685.80	10685.80	27,717,454	27,717,454
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	42,120.50	42,120.50	42120.50	91,100,069	91,100,069
Total	63,012.40	63,012.40	63,012.40	150,029,705	150,029,705

3.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government (Civic Center)	16.60	8.40	6.90	75.00	20.00	5.00	50	34	16
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.438660	0.072081	0.188459	0.180479	0.040352	0.006464	0.011426	0.050289	0.000798	0.001105	0.004136	0.000696	0.005056

4.0 Energy Detail

Historical Energy Use: N

4.1 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 Unmitigated											0.0000	11,405.3174	11,405.3174	0.4882	0.0930	11,444.3936
NaturalGas Unmitigated											0.0000	3,306.3954	3,306.3954	0.0634	0.0606	3,326.5176

4.2 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					
Condo/Townhouse	1.35996e+007											0.0000	725.7291	725.7291	0.0139	0.0133	730.1458
General Office Building	1.679e+006											0.0000	89.5978	89.5978	1.7200e-003	1.6400e-003	90.1431
Government (Civic Center)	365000											0.0000	19.4778	19.4778	3.7000e-004	3.6000e-004	19.5963
Hotel	4.10989e+007											0.0000	2,193.1917	2,193.1917	0.0420	0.0402	2,206.5391
Medical Office Building	1.679e+006											0.0000	89.5978	89.5978	1.7200e-003	1.6400e-003	90.1431
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.538e+006											0.0000	188.8012	188.8012	3.6200e-003	3.4600e-003	189.9502
Total												**0.0000**	**3,306.3954**	**3,306.3954**	**0.0634**	**0.0606**	**3,326.5176**

4.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	3.21849e+006	716.2768	0.0307	5.8400e-003	718.7308
General Office Building	4.9174e+006	1,094.3701	0.0468	8.9200e-003	1,098.1196
Government (Civic Center)	1.069e+006	237.9066	0.0102	1.9400e-003	238.7217
Hotel	1.32444e+007	2,947.5527	0.1262	0.0240	2,957.6514
Medical Office Building	4.9174e+006	1,094.3701	0.0468	8.9200e-003	1,098.1196
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.38815e+007	5,314.8412	0.2275	0.0433	5,333.0506
Total		**11,405.3174**	**0.4882**	**0.0930**	**11,444.3936**

5.0 Area Detail

5.1 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					
Unmitigated											0.0000	11.1935	11.1935	0.0108	0.0000	11.4199

5.2 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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											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
Landscaping											0.0000	11.1935	11.1935	0.0108	0.0000	11.4199
Total											**0.0000**	**11.1935**	**11.1935**	**0.0108**	**0.0000**	**11.4199**

6.0 Water Detail

6.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,472.9748	10.7048	0.2625	1,779.1652

6.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	43.0017 / 27.1097	205.2838	1.4094	0.0347	245.6223
General Office Building	81.7575 / 50.1095	386.7548	2.6795	0.0659	463.4369
Government (Civic Center)	19.866 / 12.1759	93.9762	0.6511	0.0160	112.6089
Hotel	11.415 / 1.26834	39.8364	0.3735	9.0800e-003	50.4942
Medical Office Building	57.721 / 10.9945	212.7623	1.8892	0.0460	266.6935
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	112.961 / 69.2339	534.3613	3.7022	0.0910	640.3093
Total		**1,472.9748**	**10.7048**	**0.2626**	**1,779.1652**

7.0 Waste Detail

7.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	1,647.6837	97.3753	0.0000	3,692.5654

7.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	303.6	61.6281	3.6421	0.0000	138.1125
General Office Building	427.8	86.8395	5.1321	0.0000	194.6130
Government (Civic Center)	570	115.7049	6.8380	0.0000	259.3020
Hotel	246.38	50.0129	2.9557	0.0000	112.0822
Medical Office Building	4968	1,008.4591	59.5982	0.0000	2,260.0218
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1601.25	325.0393	19.2093	0.0000	728.4340
Total		**1,647.6837**	**97.3753**	**0.0000**	**3,692.5654**

Appendix 3.7:
Raw Data and Reports

U.S. Fish & Wildlife Service

My project

IPaC Trust Resource Report

Generated May 26, 2015 03:52 PM MDT

US Fish & Wildlife Service

IPaC Trust Resource Report

Project Description

NAME

My project

PROJECT CODE

OZ47N-F6WNN-EN7HJ-NCGW6-JBU6SM

LOCATION

Riverside County, California

DESCRIPTION

No description provided

U.S. Fish & Wildlife Contact Information

Species in this report are managed by:

Carlsbad Fish And Wildlife Office
2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385
(760) 431-9440

Endangered Species

Proposed, candidate, threatened, and endangered species that are managed by the Endangered Species Program and should be considered as part of an effect analysis for this project.

Birds

Coastal California Gnatcatcher Polioptila californica californica — Threatened

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B08X

Least Bell's Vireo Vireo bellii pusillus — Endangered

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B067

Southwestern Willow Flycatcher Empidonax traillii extimus — Endangered

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B094

Fishes

Santa Ana Sucker Catostomus santaanae — Threatened

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=E07W

Flowering Plants

San Diego Ambrosia Ambrosia pumila — Endangered

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=Q01H

Santa Ana River Woolly-star Eriastrum densifolium ssp. sanctorum — Endangered

CRITICAL HABITAT
No critical habitat has been designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=Q29A

Thread-leaved Brodiaea Brodiaea filifolia — Threatened

CRITICAL HABITAT
There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=Q09H

Insects

Delhi Sands Flower-loving Fly Rhaphiomidas terminatus abdominalis **Endangered**

CRITICAL HABITAT
No critical habitat has been designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=I0MG

Mammals

Stephens' Kangaroo Rat Dipodomys stephensi (incl. D. cascus) **Endangered**

CRITICAL HABITAT
No critical habitat has been designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=A08Q

Critical Habitats

Potential effects to critical habitat(s) within the project area must be analyzed along with the endangered species themselves.

There is no critical habitat within this project area

Migratory Birds

Birds are protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act.

Any activity which results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service (1). There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

You are responsible for complying with the appropriate regulations for the protection of birds as part of this project. This involves analyzing potential impacts and implementing appropriate conservation measures for all project activities.

Bald Eagle Haliaeetus leucocephalus — **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B008

Brewer's Sparrow Spizella breweri — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HA

Burrowing Owl Athene cunicularia — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0NC

Cactus Wren Campylorhynchus brunneicapillus — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FZ

California Spotted Owl Strix occidentalis occidentalis — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B08L

Cassin's Finch Carpodacus cassinii — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0J6

Costa's Hummingbird Calypte costae — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0JE

Flammulated Owl Otus flammeolus — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0DK

Fox Sparrow Passerella iliaca — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0NE

Green-tailed Towhee Pipilo chlorurus — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0IO

Lawrence's Goldfinch Carduelis lawrencei — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0J8

Least Bittern Ixobrychus exilis — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0JW

Lewis's Woodpecker Melanerpes lewis — **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HQ

Loggerhead Shrike Lanius ludovicianus — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FY

Long-billed Curlew Numenius americanus — **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B06S

Mountain Plover Charadrius montanus — **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B078

Nuttall's Woodpecker Picoides nuttallii — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HT

Oak Titmouse Baeolophus inornatus — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0MJ

Olive-sided Flycatcher Contopus cooperi — **Bird of conservation concern**
Season: Breeding
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon Falco peregrinus — **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FU

Short-eared Owl Asio flammeus — **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HD

Tricolored Blackbird Agelaius tricolor — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B06P

White Headed Woodpecker Picoides albolarvatus — **Bird of conservation concern**
Year-round
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HU

Williamson's Sapsucker Sphyrapicus thyroideus — **Bird of conservation concern**
Season: Wintering
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FX

Refuges

Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. If your project overlaps or otherwise impacts a Refuge, please contact that Refuge to discuss the authorization process.

There are no refuges within this project area

Wetlands

Impacts to NWI wetlands and other aquatic habitats from your project may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes.

Project proponents should discuss the relationship of these requirements to their project with the Regulatory Program of the appropriate U.S. Army Corps of Engineers District.

DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Wetland data is unavailable at this time.

CNDDB 9-Quad Species List 506 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Amphibians	Anaxyrus californicus	arroyo toad	AAABB01230	Endangered	None	SSC	-	3311775	Corona South	Mapped and Unprocessed	Animals - Amphibians - Bufonidae - Anaxyrus californicus
Animals - Amphibians	Anaxyrus californicus	arroyo toad	AAABB01230	Endangered	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Amphibians - Bufonidae - Anaxyrus californicus
Animals - Amphibians	Lithobates pipiens	northern leopard frog	AAABH01170	None	None	SSC	-	3311776	Black Star Canyon	Mapped	Animals - Amphibians - Ranidae - Lithobates pipiens
Animals - Amphibians	Lithobates pipiens	northern leopard frog	AAABH01170	None	None	SSC	-	3311786	Prado Dam	Mapped	Animals - Amphibians - Ranidae - Lithobates pipiens
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Amphibians - Ranidae - Rana draytonii
Animals - Amphibians	Taricha torosa	Coast Range newt	AAAAF02032	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Amphibians - Salamandridae - Taricha torosa
Animals - Amphibians	Taricha torosa	Coast Range newt	AAAAF02032	None	None	SSC	-	3311775	Corona South	Unprocessed	Animals - Amphibians - Salamandridae - Taricha torosa
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3311775	Corona South	Mapped and Unprocessed	Animals - Amphibians - Scaphiopodidae - Spea hammondii
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Amphibians - Scaphiopodidae - Spea hammondii
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Amphibians - Scaphiopodidae - Spea hammondii
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3311786	Prado Dam	Unprocessed	Animals - Amphibians - Scaphiopodidae - Spea hammondii
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Amphibians - Scaphiopodidae - Spea hammondii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3411714	Fontana	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311786	Prado Dam	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3411715	Guasti	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3411716	Ontario	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311784	Riverside West	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii

Animals - Birds	Accipiter cooperii	Cooper's hawk	ABNKC12040	None	None	WL	-	3311785	Corona North	Unprocessed	Animals - Birds - Accipitridae - Accipiter cooperii
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311784	Riverside West	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Accipiter striatus	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3411714	Fontana	Unprocessed	Animals - Birds - Accipitridae - Accipiter striatus
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3411714	Fontana	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP , WL	-	3311785	Corona North	Unprocessed	Animals - Birds - Accipitridae - Aquila chrysaetos
Animals - Birds	Buteo regalis	ferruginous hawk	ABNKC19120	None	None	WL	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Accipitridae - Buteo regalis
Animals - Birds	Buteo regalis	ferruginous hawk	ABNKC19120	None	None	WL	-	3311775	Corona South	Unprocessed	Animals - Birds - Accipitridae - Buteo regalis
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3311785	Corona North	Mapped	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3311784	Riverside West	Mapped	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3311786	Prado Dam	Mapped	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3411716	Ontario	Mapped	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Circus cyaneus	northern harrier	ABNKC11010	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Birds - Accipitridae - Circus cyaneus
Animals - Birds	Circus cyaneus	northern harrier	ABNKC11010	None	None	SSC	-	3311786	Prado Dam	Unprocessed	Animals - Birds - Accipitridae - Circus cyaneus
Animals - Birds	Circus cyaneus	northern harrier	ABNKC11010	None	None	SSC	-	3411715	Guasti	Unprocessed	Animals - Birds - Accipitridae - Circus cyaneus
Animals - Birds	Circus cyaneus	northern harrier	ABNKC11010	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Birds - Accipitridae - Circus cyaneus
Animals - Birds	Circus cyaneus	northern harrier	ABNKC11010	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Birds - Accipitridae - Circus cyaneus
Animals - Birds	Circus cyaneus	northern harrier	ABNKC11010	None	None	SSC	-	3311775	Corona South	Unprocessed	Animals - Birds - Accipitridae - Circus cyaneus
Animals - Birds	Circus cyaneus	northern harrier	ABNKC11010	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Accipitridae - Circus cyaneus
Animals - Birds	Circus cyaneus	northern harrier	ABNKC11010	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Accipitridae - Circus cyaneus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus

Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3311785	Corona North	Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3311784	Riverside West	Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3411715	Guasti	Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Accipitridae - Elanus leucurus
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3311785	Corona North	Unprocessed	Animals - Birds - Accipitridae - Haliaeetus leucocephalus
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Birds - Accipitridae - Haliaeetus leucocephalus
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Birds - Accipitridae - Haliaeetus leucocephalus
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311775	Corona South	Mapped and Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311785	Corona North	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311784	Riverside West	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3411715	Guasti	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3311785	Corona North	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3411715	Guasti	Unprocessed	Animals - Birds - Ardeidae - Ardea alba
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3411715	Guasti	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311785	Corona North	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3311785	Corona North	Unprocessed	Animals - Birds - Ardeidae - Egretta thula

Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3411715	Guasti	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3411715	Guasti	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Charadrius montanus	mountain plover	ABNNB03100	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Charadriidae - Charadrius montanus
Animals - Birds	Charadrius montanus	mountain plover	ABNNB03100	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Birds - Charadriidae - Charadrius montanus
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3311785	Corona North	Mapped	Animals - Birds - Cuculidae - Coccyzus americanus occidentalis
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3311784	Riverside West	Mapped	Animals - Birds - Cuculidae - Coccyzus americanus occidentalis
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3311775	Corona South	Mapped	Animals - Birds - Cuculidae - Coccyzus americanus occidentalis
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3311786	Prado Dam	Mapped	Animals - Birds - Cuculidae - Coccyzus americanus occidentalis
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Emberizidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3411714	Fontana	Unprocessed	Animals - Birds - Emberizidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Birds - Emberizidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Birds - Emberizidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311775	Corona South	Mapped and Unprocessed	Animals - Birds - Emberizidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Birds - Emberizidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311785	Corona North	Mapped and Unprocessed	Animals - Birds - Emberizidae - Aimophila ruficeps canescens
Animals - Birds	Ammodramus savannarum	grasshopper sparrow	ABPBXA0020	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Emberizidae - Ammodramus savannarum

Animals - Birds	Ammodramus savannarum	grasshopper sparrow	ABPBXA0020	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Emberizidae - Ammodramus savannarum
Animals - Birds	Ammodramus savannarum	grasshopper sparrow	ABPBXA0020	None	None	SSC	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Emberizidae - Ammodramus savannarum
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3411714	Fontana	Unprocessed	Animals - Birds - Emberizidae - Artemisiospiza belli belli
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3411716	Ontario	Unprocessed	Animals - Birds - Emberizidae - Artemisiospiza belli belli
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Birds - Emberizidae - Artemisiospiza belli belli
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Emberizidae - Artemisiospiza belli belli
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3311775	Corona South	Unprocessed	Animals - Birds - Emberizidae - Artemisiospiza belli belli
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3311785	Corona North	Mapped	Animals - Birds - Emberizidae - Artemisiospiza belli belli
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Birds - Emberizidae - Artemisiospiza belli belli
Animals - Birds	Chondestes grammacus	lark sparrow	ABPBX96010	None	None	-	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Emberizidae - Chondestes grammacus
Animals - Birds	Chondestes grammacus	lark sparrow	ABPBX96010	None	None	-	-	3411716	Ontario	Unprocessed	Animals - Birds - Emberizidae - Chondestes grammacus
Animals - Birds	Pooecetes gramineus affinis	Oregon vesper sparrow	ABPBX95011	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Emberizidae - Pooecetes gramineus affinis
Animals - Birds	Spizella atrogularis	black-chinned sparrow	ABPBX94070	None	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Emberizidae - Spizella atrogularis
Animals - Birds	Spizella atrogularis	black-chinned sparrow	ABPBX94070	None	None	-	-	3311784	Riverside West	Unprocessed	Animals - Birds - Emberizidae - Spizella atrogularis
Animals - Birds	Spizella atrogularis	black-chinned sparrow	ABPBX94070	None	None	-	-	3411714	Fontana	Unprocessed	Animals - Birds - Emberizidae - Spizella atrogularis
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3411715	Guasti	Unprocessed	Animals - Birds - Emberizidae - Spizella breweri
Animals - Birds	Falco columbarius	merlin	ABNKD06030	None	None	WL	-	3411716	Ontario	Unprocessed	Animals - Birds - Falconidae - Falco columbarius
Animals - Birds	Falco columbarius	merlin	ABNKD06030	None	None	WL	-	3311784	Riverside West	Unprocessed	Animals - Birds - Falconidae - Falco columbarius
Animals - Birds	Falco columbarius	merlin	ABNKD06030	None	None	WL	-	3311785	Corona North	Unprocessed	Animals - Birds - Falconidae - Falco columbarius
Animals - Birds	Falco columbarius	merlin	ABNKD06030	None	None	WL	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Falconidae - Falco columbarius
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3411716	Ontario	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus

Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3411715	Guasti	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3411715	Guasti	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311786	Prado Dam	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3411716	Ontario	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311785	Corona North	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311785	Corona North	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311784	Riverside West	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3411716	Ontario	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311786	Prado Dam	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Grus canadensis canadensis	lesser sandhill crane	ABNMK01011	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Birds - Gruidae - Grus canadensis canadensis
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Endangered	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Endangered	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Endangered	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Endangered	SSC	-	3311786	Prado Dam	Unprocessed	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Endangered	SSC	-	3411715	Guasti	Mapped and Unprocessed	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBXB0020	None	Endangered	SSC	-	3411716	Ontario	Unprocessed	Animals - Birds - Icteridae - Agelaius tricolor
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus

Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3411715	Guasti	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311786	Prado Dam	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Hydroprogne caspia	Caspian tern	ABNNM08020	None	None	-	-	3311785	Corona North	Unprocessed	Animals - Birds - Laridae - Hydroprogne caspia
Animals - Birds	Larus californicus	California gull	ABNNM03110	None	None	WL	-	3411715	Guasti	Unprocessed	Animals - Birds - Laridae - Larus californicus
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Birds - Parulidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Parulidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Birds - Parulidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Birds - Parulidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Birds - Parulidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Parulidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311775	Corona South	Unprocessed	Animals - Birds - Parulidae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Birds - Parulidae - Icteria virens
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311775	Corona South	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311786	Prado Dam	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia

Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3411715	Guasti	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Phalacrocorax auritus	double-crested cormorant	ABNFD01020	None	None	WL	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Phalacrocoracidae - Phalacrocorax auritus
Animals - Birds	Picoides nuttallii	Nuttall's woodpecker	ABNYF07020	None	None	-	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Picidae - Picoides nuttallii
Animals - Birds	Picoides nuttallii	Nuttall's woodpecker	ABNYF07020	None	None	-	-	3311784	Riverside West	Unprocessed	Animals - Birds - Picidae - Picoides nuttallii
Animals - Birds	Coturnicops noveboracensis	yellow rail	ABNME01010	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Birds - Rallidae - Coturnicops noveboracensis
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3411716	Ontario	Unprocessed	Animals - Birds - Rallidae - Laterallus jamaicensis coturniculus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311786	Prado Dam	Mapped	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311775	Corona South	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3411714	Fontana	Mapped	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3411715	Guasti	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3411716	Ontario	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3411716	Ontario	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3411715	Guasti	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3411714	Fontana	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica

Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311775	Corona South	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Birds - Sylviidae - Polioptila californica californica
Animals - Birds	Plegadis chihi	white-faced ibis	ABNGE02020	None	None	WL	-	3311785	Corona North	Unprocessed	Animals - Birds - Threskiornithidae - Plegadis chihi
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311785	Corona North	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311784	Riverside West	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3411716	Ontario	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	ABPBG02095	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Birds - Troglodytidae - Campylorhynchus brunneicapillus sandiegensis
Animals - Birds	Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	ABPBG02095	None	None	SSC	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Troglodytidae - Campylorhynchus brunneicapillus sandiegensis
Animals - Birds	Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	ABPBG02095	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Birds - Troglodytidae - Campylorhynchus brunneicapillus sandiegensis
Animals - Birds	Cistothorus palustris clarkae	Clark's marsh wren	ABPBG10021	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Birds - Troglodytidae - Cistothorus palustris clarkae
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Empidonax traillii	willow flycatcher	ABPAE33040	None	Endangered	-	-	3311785	Corona North	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii
Animals - Birds	Empidonax traillii brewsteri	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3311785	Corona North	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii brewsteri

Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311785	Corona North	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311784	Riverside West	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311774	Lake Mathews	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311775	Corona South	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3411714	Fontana	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311775	Corona South	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311776	Black Star Canyon	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311784	Riverside West	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311785	Corona North	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Crustaceans	Branchinecta sandiegonensis	San Diego fairy shrimp	ICBRA03060	Endangered	None	-	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Crustaceans - Branchinectidae - Branchinecta sandiegonensis
Animals - Fish	Catostomus santaanae	Santa Ana sucker	AFCJC02190	Threatened	None	SSC	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Fish - Catostomidae - Catostomus santaanae
Animals - Fish	Catostomus santaanae	Santa Ana sucker	AFCJC02190	Threatened	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Fish - Catostomidae - Catostomus santaanae
Animals - Fish	Catostomus santaanae	Santa Ana sucker	AFCJC02190	Threatened	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Fish - Catostomidae - Catostomus santaanae
Animals - Fish	Catostomus santaanae	Santa Ana sucker	AFCJC02190	Threatened	None	SSC	-	3311786	Prado Dam	Mapped	Animals - Fish - Catostomidae - Catostomus santaanae
Animals - Fish	Catostomus santaanae	Santa Ana sucker	AFCJC02190	Threatened	None	SSC	-	3411714	Fontana	Mapped and Unprocessed	Animals - Fish - Catostomidae - Catostomus santaanae
Animals - Fish	Gila orcuttii	arroyo chub	AFCJB13120	None	None	SSC	-	3411714	Fontana	Mapped and Unprocessed	Animals - Fish - Cyprinidae - Gila orcuttii
Animals - Fish	Gila orcuttii	arroyo chub	AFCJB13120	None	None	SSC	-	3311786	Prado Dam	Unprocessed	Animals - Fish - Cyprinidae - Gila orcuttii

Animals - Fish	Gila orcuttii	arroyo chub	AFCJB13120	None	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Fish - Cyprinidae - Gila orcuttii
Animals - Fish	Gila orcuttii	arroyo chub	AFCJB13120	None	None	SSC	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Fish - Cyprinidae - Gila orcuttii
Animals - Fish	Rhinichthys osculus ssp. 3	Santa Ana speckled dace	AFCJB3705K	None	None	SSC	-	3311784	Riverside West	Mapped	Animals - Fish - Cyprinidae - Rhinichthys osculus ssp. 3
Animals - Insects	Cicindela tranquebarica viridissima	greenest tiger beetle	IICOL02201	None	None	-	-	3411714	Fontana	Mapped	Animals - Insects - Carabidae - Cicindela tranquebarica viridissima
Animals - Insects	Ceratochrysis longimala	Desert cuckoo wasp	IIHYM71040	None	None	-	-	3311784	Riverside West	Mapped	Animals - Insects - Chrysididae - Ceratochrysis longimala
Animals - Insects	Carolella busckana	Busck's gallmoth	IILEM2X090	None	None	-	-	3311784	Riverside West	Mapped	Animals - Insects - Cochylidae - Carolella busckana
Animals - Insects	Diplectrona californica	California diplectronan caddisfly	IITRI23010	None	None	-	-	3411716	Ontario	Mapped and Unprocessed	Animals - Insects - Hydropsychidae - Diplectrona californica
Animals - Insects	Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	IIDIP05021	Endangered	None	-	-	3411714	Fontana	Mapped and Unprocessed	Animals - Insects - Mydidae - Rhaphiomidas terminatus abdominalis
Animals - Insects	Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	IIDIP05021	Endangered	None	-	-	3411715	Guasti	Mapped and Unprocessed	Animals - Insects - Mydidae - Rhaphiomidas terminatus abdominalis
Animals - Insects	Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	IIDIP05021	Endangered	None	-	-	3311784	Riverside West	Mapped	Animals - Insects - Mydidae - Rhaphiomidas terminatus abdominalis
Animals - Insects	Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	IIDIP05021	Endangered	None	-	-	3311785	Corona North	Mapped	Animals - Insects - Mydidae - Rhaphiomidas terminatus abdominalis
Animals - Insects	Danaus plexippus pop. 1	monarch - California overwintering population	IILEPP2012	None	None	-	-	3311785	Corona North	Unprocessed	Animals - Insects - Nymphalidae - Danaus plexippus pop. 1
Animals - Insects	Danaus plexippus pop. 1	monarch - California overwintering population	IILEPP2012	None	None	-	-	3411715	Guasti	Unprocessed	Animals - Insects - Nymphalidae - Danaus plexippus pop. 1
Animals - Insects	Danaus plexippus pop. 1	monarch - California overwintering population	IILEPP2012	None	None	-	-	3411714	Fontana	Unprocessed	Animals - Insects - Nymphalidae - Danaus plexippus pop. 1
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311774	Lake Mathews	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311775	Corona South	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax

Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3411714	Fontana	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3411715	Guasti	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3411716	Ontario	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax fallax
Animals - Mammals	Dipodomys merriami parvus	San Bernardino kangaroo rat	AMAFD03143	Endangered	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami parvus
Animals - Mammals	Dipodomys merriami parvus	San Bernardino kangaroo rat	AMAFD03143	Endangered	None	SSC	-	3411715	Guasti	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami parvus
Animals - Mammals	Dipodomys merriami parvus	San Bernardino kangaroo rat	AMAFD03143	Endangered	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami parvus
Animals - Mammals	Dipodomys merriami parvus	San Bernardino kangaroo rat	AMAFD03143	Endangered	None	SSC	-	3311785	Corona North	Mapped	Animals - Mammals - Heteromyidae - Dipodomys merriami parvus
Animals - Mammals	Dipodomys merriami parvus	San Bernardino kangaroo rat	AMAFD03143	Endangered	None	SSC	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami parvus
Animals - Mammals	Dipodomys stephensi	Stephens' kangaroo rat	AMAFD03100	Endangered	Threatened	-	-	3311785	Corona North	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys stephensi
Animals - Mammals	Dipodomys stephensi	Stephens' kangaroo rat	AMAFD03100	Endangered	Threatened	-	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys stephensi
Animals - Mammals	Dipodomys stephensi	Stephens' kangaroo rat	AMAFD03100	Endangered	Threatened	-	-	3311775	Corona South	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys stephensi
Animals - Mammals	Dipodomys stephensi	Stephens' kangaroo rat	AMAFD03100	Endangered	Threatened	-	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys stephensi
Animals - Mammals	Dipodomys stephensi	Stephens' kangaroo rat	AMAFD03100	Endangered	Threatened	-	-	3411715	Guasti	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys stephensi
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3411715	Guasti	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus

Animals - Mammals	Perognathus longimembris pacificus	Pacific pocket mouse	AMAFD01042	Endangered	None	SSC	-	3411715	Guasti	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris pacificus
Animals - Mammals	Perognathus longimembris pacificus	Pacific pocket mouse	AMAFD01042	Endangered	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris pacificus
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3411714	Fontana	Mapped and Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3411715	Guasti	Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3311784	Riverside West	Mapped	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311784	Riverside West	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311774	Lake Mathews	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311775	Corona South	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3411715	Guasti	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3311786	Prado Dam	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus

Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3411716	Ontario	Mapped	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3411714	Fontana	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311775	Corona South	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311774	Lake Mathews	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311785	Corona North	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311784	Riverside West	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops macrotis	big free-tailed bat	AMACD04020	None	None	SSC	-	3411716	Ontario	Mapped	Animals - Mammals - Molossidae - Nyctinomops macrotis
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3411716	Ontario	Mapped	Animals - Mammals - Muridae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3411715	Guasti	Mapped and Unprocessed	Animals - Mammals - Muridae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Mammals - Muridae - Neotoma lepida intermedia
Animals - Mammals	Neotoma lepida intermedia	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Mammals - Muridae - Neotoma lepida intermedia
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311776	Black Star Canyon	Mapped	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3411716	Ontario	Mapped	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Lasiurus blossevillii	western red bat	AMACC05060	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus blossevillii
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus cinereus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311775	Corona South	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus

Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311784	Riverside West	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311785	Corona North	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3411716	Ontario	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3411715	Guasti	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3411714	Fontana	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Myotis ciliolabrum	western small-footed myotis	AMACC01140	None	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis ciliolabrum
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis yumanensis
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3311774	Lake Mathews	Mapped	Animals - Mammals - Vespertilionidae - Myotis yumanensis
Animals - Mollusks	Gonidea angulata	western ridged mussel	IMBIV19010	None	None	-	-	3311786	Prado Dam	Unprocessed	Animals - Mollusks - Unionidae - Gonidea angulata
Animals - Mollusks	Gonidea angulata	western ridged mussel	IMBIV19010	None	None	-	-	3411716	Ontario	Unprocessed	Animals - Mollusks - Unionidae - Gonidea angulata
Animals - Reptiles	Anniella pulchra pulchra	silvery legless lizard	ARACC01012	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Reptiles - Anniellidae - Anniella pulchra pulchra
Animals - Reptiles	Anniella pulchra pulchra	silvery legless lizard	ARACC01012	None	None	SSC	-	3411715	Guasti	Mapped	Animals - Reptiles - Anniellidae - Anniella pulchra pulchra
Animals - Reptiles	Anniella pulchra pulchra	silvery legless lizard	ARACC01012	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Reptiles - Anniellidae - Anniella pulchra pulchra
Animals - Reptiles	Charina trivirgata	rosy boa	ARADA01020	None	None	-	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Reptiles - Boidae - Charina trivirgata
Animals - Reptiles	Charina trivirgata	rosy boa	ARADA01020	None	None	-	-	3311775	Corona South	Unprocessed	Animals - Reptiles - Boidae - Charina trivirgata
Animals - Reptiles	Charina trivirgata	rosy boa	ARADA01020	None	None	-	-	3411714	Fontana	Unprocessed	Animals - Reptiles - Boidae - Charina trivirgata
Animals - Reptiles	Charina trivirgata	rosy boa	ARADA01020	None	None	-	-	3411716	Ontario	Unprocessed	Animals - Reptiles - Boidae - Charina trivirgata
Animals - Reptiles	Diadophis punctatus modestus	San Bernardino ringneck snake	ARADB10015	None	None	-	-	3411716	Ontario	Unprocessed	Animals - Reptiles - Colubridae - Diadophis punctatus modestus
Animals - Reptiles	Diadophis punctatus modestus	San Bernardino ringneck snake	ARADB10015	None	None	-	-	3411714	Fontana	Unprocessed	Animals - Reptiles - Colubridae - Diadophis punctatus modestus

Animals - Reptiles	Diadophis punctatus modestus	San Bernardino ringneck snake	ARADB10015	None	None	-	-	3311786	Prado Dam	Unprocessed	Animals - Reptiles - Colubridae - Diadophis punctatus modestus
Animals - Reptiles	Diadophis punctatus modestus	San Bernardino ringneck snake	ARADB10015	None	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Reptiles - Colubridae - Diadophis punctatus modestus
Animals - Reptiles	Diadophis punctatus modestus	San Bernardino ringneck snake	ARADB10015	None	None	-	-	3311774	Lake Mathews	Unprocessed	Animals - Reptiles - Colubridae - Diadophis punctatus modestus
Animals - Reptiles	Diadophis punctatus similis	San Diego ringneck snake	ARADB1001A	None	None	-	-	3311774	Lake Mathews	Unprocessed	Animals - Reptiles - Colubridae - Diadophis punctatus similis
Animals - Reptiles	Diadophis punctatus similis	San Diego ringneck snake	ARADB1001A	None	None	-	-	3311776	Black Star Canyon	Unprocessed	Animals - Reptiles - Colubridae - Diadophis punctatus similis
Animals - Reptiles	Diadophis punctatus similis	San Diego ringneck snake	ARADB1001A	None	None	-	-	3311784	Riverside West	Unprocessed	Animals - Reptiles - Colubridae - Diadophis punctatus similis
Animals - Reptiles	Lampropeltis zonata (pulchra)	California mountain kingsnake (San Diego population)	ARADB19063	None	None	SSC	-	3311775	Corona South	Mapped and Unprocessed	Animals - Reptiles - Colubridae - Lampropeltis zonata (pulchra)
Animals - Reptiles	Salvadora hexalepis virgultea	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3311775	Corona South	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgultea
Animals - Reptiles	Salvadora hexalepis virgultea	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgultea
Animals - Reptiles	Salvadora hexalepis virgultea	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgultea
Animals - Reptiles	Salvadora hexalepis virgultea	coast patch-nosed snake	ARADB30033	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Reptiles - Colubridae - Salvadora hexalepis virgultea
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3311774	Lake Mathews	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	-	-	3311785	Corona North	Mapped	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	-	-	3311784	Riverside West	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti

Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	-	-	3411714	Fontana	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Thamnophis hammondii	two-striped garter snake	ARADB36160	None	None	SSC	-	3411716	Ontario	Mapped	Animals - Reptiles - Natricidae - Thamnophis hammondii
Animals - Reptiles	Thamnophis hammondii	two-striped garter snake	ARADB36160	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondii
Animals - Reptiles	Thamnophis hammondii	two-striped garter snake	ARADB36160	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondii
Animals - Reptiles	Thamnophis hammondii	two-striped garter snake	ARADB36160	None	None	SSC	-	3311775	Corona South	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondii
Animals - Reptiles	Thamnophis sirtalis ssp.	south coast garter snake	ARADB3613F	None	None	SSC	-	3311784	Riverside West	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis sirtalis ssp.
Animals - Reptiles	Thamnophis sirtalis ssp.	south coast garter snake	ARADB3613F	None	None	SSC	-	3311785	Corona North	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis sirtalis ssp.
Animals - Reptiles	Thamnophis sirtalis ssp.	south coast garter snake	ARADB3613F	None	None	SSC	-	3411716	Ontario	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis sirtalis ssp.
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3411716	Ontario	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3411714	Fontana	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3411715	Guasti	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311775	Corona South	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Plestiodon skiltonianus interparietalis	Coronado Island skink	ARACH01114	None	None	SSC	-	3311776	Black Star Canyon	Unprocessed	Animals - Reptiles - Scincidae - Plestiodon skiltonianus interparietalis
Animals - Reptiles	Aspidoscelis hyperythra	orangethroat whiptail	ARACJ02060	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra

Animals - Reptiles	Aspidoscelis hyperythra	orangethroat whiptail	ARACJ02060	None	None	SSC	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra
Animals - Reptiles	Aspidoscelis hyperythra	orangethroat whiptail	ARACJ02060	None	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra
Animals - Reptiles	Aspidoscelis hyperythra	orangethroat whiptail	ARACJ02060	None	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra
Animals - Reptiles	Aspidoscelis hyperythra	orangethroat whiptail	ARACJ02060	None	None	SSC	-	3311775	Corona South	Mapped and Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra
Animals - Reptiles	Aspidoscelis hyperythra	orangethroat whiptail	ARACJ02060	None	None	SSC	-	3311786	Prado Dam	Mapped	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra
Animals - Reptiles	Aspidoscelis hyperythra	orangethroat whiptail	ARACJ02060	None	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis hyperythra
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	-	-	3411714	Fontana	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	-	-	3311786	Prado Dam	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	-	-	3411716	Ontario	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	-	-	3311775	Corona South	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	-	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	-	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	-	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311784	Riverside West	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311785	Corona North	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311774	Lake Mathews	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311775	Corona South	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311776	Black Star Canyon	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311786	Prado Dam	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3411714	Fontana	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber

Community - Aquatic	Southern California Arroyo Chub/Santa Ana Sucker Stream	Southern California Arroyo Chub/Santa Ana Sucker Stream	CARE2330CA	None	None	-	-	3311786	Prado Dam	Mapped	Community - Aquatic - Southern California Arroyo Chub/Santa Ana Sucker Stream
Community - Aquatic	Southern California Arroyo Chub/Santa Ana Sucker Stream	Southern California Arroyo Chub/Santa Ana Sucker Stream	CARE2330CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Aquatic - Southern California Arroyo Chub/Santa Ana Sucker Stream
Community - Aquatic	Southern California Arroyo Chub/Santa Ana Sucker Stream	Southern California Arroyo Chub/Santa Ana Sucker Stream	CARE2330CA	None	None	-	-	3311785	Corona North	Mapped	Community - Aquatic - Southern California Arroyo Chub/Santa Ana Sucker Stream
Community - Aquatic	Southern California Arroyo Chub/Santa Ana Sucker Stream	Southern California Arroyo Chub/Santa Ana Sucker Stream	CARE2330CA	None	None	-	-	3311784	Riverside West	Mapped	Community - Aquatic - Southern California Arroyo Chub/Santa Ana Sucker Stream
Community - Terrestrial	California Walnut Woodland	California Walnut Woodland	CTT71210CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Terrestrial - California Walnut Woodland
Community - Terrestrial	California Walnut Woodland	California Walnut Woodland	CTT71210CA	None	None	-	-	3311786	Prado Dam	Mapped	Community - Terrestrial - California Walnut Woodland
Community - Terrestrial	Riversidian Alluvial Fan Sage Scrub	Riversidian Alluvial Fan Sage Scrub	CTT32720CA	None	None	-	-	3411714	Fontana	Mapped	Community - Terrestrial - Riversidian Alluvial Fan Sage Scrub
Community - Terrestrial	Riversidian Alluvial Fan Sage Scrub	Riversidian Alluvial Fan Sage Scrub	CTT32720CA	None	None	-	-	3411716	Ontario	Mapped	Community - Terrestrial - Riversidian Alluvial Fan Sage Scrub
Community - Terrestrial	Riversidian Alluvial Fan Sage Scrub	Riversidian Alluvial Fan Sage Scrub	CTT32720CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Terrestrial - Riversidian Alluvial Fan Sage Scrub
Community - Terrestrial	Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Terrestrial - Southern Coast Live Oak Riparian Forest
Community - Terrestrial	Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	-	-	3311775	Corona South	Mapped	Community - Terrestrial - Southern Coast Live Oak Riparian Forest
Community - Terrestrial	Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	-	-	3311774	Lake Mathews	Mapped	Community - Terrestrial - Southern Coast Live Oak Riparian Forest
Community - Terrestrial	Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	-	-	3311774	Lake Mathews	Mapped	Community - Terrestrial - Southern Cottonwood Willow Riparian Forest
Community - Terrestrial	Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Terrestrial - Southern Cottonwood Willow Riparian Forest
Community - Terrestrial	Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	-	-	3311784	Riverside West	Mapped	Community - Terrestrial - Southern Cottonwood Willow Riparian Forest
Community - Terrestrial	Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	-	-	3311785	Corona North	Mapped	Community - Terrestrial - Southern Cottonwood Willow Riparian Forest

Community - Terrestrial	Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	-	-	3311786	Prado Dam	Mapped	Community - Terrestrial - Southern Cottonwood Willow Riparian Forest
Community - Terrestrial	Southern Interior Cypress Forest	Southern Interior Cypress Forest	CTT83230CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Terrestrial - Southern Interior Cypress Forest
Community - Terrestrial	Southern Interior Cypress Forest	Southern Interior Cypress Forest	CTT83230CA	None	None	-	-	3311775	Corona South	Mapped	Community - Terrestrial - Southern Interior Cypress Forest
Community - Terrestrial	Southern Riparian Forest	Southern Riparian Forest	CTT61300CA	None	None	-	-	3311775	Corona South	Mapped	Community - Terrestrial - Southern Riparian Forest
Community - Terrestrial	Southern Riparian Forest	Southern Riparian Forest	CTT61300CA	None	None	-	-	3311774	Lake Mathews	Mapped	Community - Terrestrial - Southern Riparian Forest
Community - Terrestrial	Southern Riparian Scrub	Southern Riparian Scrub	CTT63300CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Terrestrial - Southern Riparian Scrub
Community - Terrestrial	Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	-	-	3311785	Corona North	Mapped	Community - Terrestrial - Southern Sycamore Alder Riparian Woodland
Community - Terrestrial	Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	-	-	3311774	Lake Mathews	Mapped	Community - Terrestrial - Southern Sycamore Alder Riparian Woodland
Community - Terrestrial	Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	-	-	3311775	Corona South	Mapped	Community - Terrestrial - Southern Sycamore Alder Riparian Woodland
Community - Terrestrial	Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Terrestrial - Southern Sycamore Alder Riparian Woodland
Community - Terrestrial	Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	-	-	3311786	Prado Dam	Mapped	Community - Terrestrial - Southern Sycamore Alder Riparian Woodland
Community - Terrestrial	Southern Willow Scrub	Southern Willow Scrub	CTT63320CA	None	None	-	-	3311786	Prado Dam	Mapped	Community - Terrestrial - Southern Willow Scrub
Community - Terrestrial	Southern Willow Scrub	Southern Willow Scrub	CTT63320CA	None	None	-	-	3311775	Corona South	Mapped	Community - Terrestrial - Southern Willow Scrub
Community - Terrestrial	Southern Willow Scrub	Southern Willow Scrub	CTT63320CA	None	None	-	-	3311774	Lake Mathews	Mapped	Community - Terrestrial - Southern Willow Scrub
Community - Terrestrial	Southern Willow Scrub	Southern Willow Scrub	CTT63320CA	None	None	-	-	3311784	Riverside West	Mapped	Community - Terrestrial - Southern Willow Scrub
Community - Terrestrial	Southern Willow Scrub	Southern Willow Scrub	CTT63320CA	None	None	-	-	3311776	Black Star Canyon	Mapped	Community - Terrestrial - Southern Willow Scrub
Plants - Vascular	Allium munzii	Munz's onion	PMLIL022Z0	Endangered	Threatened	-	1B.1	3311774	Lake Mathews	Mapped	Plants - Vascular - Alliaceae - Allium munzii
Plants - Vascular	Ambrosia pumila	San Diego ambrosia	PDAST0C0M0	Endangered	None	-	1B.1	3311784	Riverside West	Mapped	Plants - Vascular - Asteraceae - Ambrosia pumila

Plants - Vascular	Baccharis malibuensis	Malibu baccharis	PDAST0W0W0	None	None	-	1B.1	3311776	Black Star Canyon	Mapped	Plants - Vascular - Asteraceae - Baccharis malibuensis
Plants - Vascular	Centromadia pungens ssp. laevis	smooth tarplant	PDAST4R0R4	None	None	-	1B.1	3311774	Lake Mathews	Mapped	Plants - Vascular - Asteraceae - Centromadia pungens ssp. laevis
Plants - Vascular	Centromadia pungens ssp. laevis	smooth tarplant	PDAST4R0R4	None	None	-	1B.1	3311785	Corona North	Mapped	Plants - Vascular - Asteraceae - Centromadia pungens ssp. laevis
Plants - Vascular	Centromadia pungens ssp. laevis	smooth tarplant	PDAST4R0R4	None	None	-	1B.1	3311786	Prado Dam	Mapped	Plants - Vascular - Asteraceae - Centromadia pungens ssp. laevis
Plants - Vascular	Deinandra paniculata	paniculate tarplant	PDAST4R0N0	None	None	-	4.2	3311786	Prado Dam	Unprocessed	Plants - Vascular - Asteraceae - Deinandra paniculata
Plants - Vascular	Deinandra paniculata	paniculate tarplant	PDAST4R0N0	None	None	-	4.2	3411714	Fontana	Unprocessed	Plants - Vascular - Asteraceae - Deinandra paniculata
Plants - Vascular	Deinandra paniculata	paniculate tarplant	PDAST4R0N0	None	None	-	4.2	3411715	Guasti	Unprocessed	Plants - Vascular - Asteraceae - Deinandra paniculata
Plants - Vascular	Deinandra paniculata	paniculate tarplant	PDAST4R0N0	None	None	-	4.2	3311774	Lake Mathews	Unprocessed	Plants - Vascular - Asteraceae - Deinandra paniculata
Plants - Vascular	Deinandra paniculata	paniculate tarplant	PDAST4R0N0	None	None	-	4.2	3311775	Corona South	Unprocessed	Plants - Vascular - Asteraceae - Deinandra paniculata
Plants - Vascular	Deinandra paniculata	paniculate tarplant	PDAST4R0N0	None	None	-	4.2	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Asteraceae - Deinandra paniculata
Plants - Vascular	Deinandra paniculata	paniculate tarplant	PDAST4R0N0	None	None	-	4.2	3311784	Riverside West	Unprocessed	Plants - Vascular - Asteraceae - Deinandra paniculata
Plants - Vascular	Deinandra paniculata	paniculate tarplant	PDAST4R0N0	None	None	-	4.2	3311785	Corona North	Unprocessed	Plants - Vascular - Asteraceae - Deinandra paniculata
Plants - Vascular	Lasthenia glabrata ssp. coulteri	Coulter's goldfields	PDAST5L0A1	None	None	-	1B.1	3311784	Riverside West	Mapped	Plants - Vascular - Asteraceae - Lasthenia glabrata ssp. coulteri
Plants - Vascular	Microseris douglasii ssp. platycarpha	small-flowered microseris	PDAST6E062	None	None	-	4.2	3311774	Lake Mathews	Unprocessed	Plants - Vascular - Asteraceae - Microseris douglasii ssp. platycarpha
Plants - Vascular	Pentachaeta aurea ssp. allenii	Allen's pentachaeta	PDAST6X021	None	None	-	1B.1	3311776	Black Star Canyon	Mapped	Plants - Vascular - Asteraceae - Pentachaeta aurea ssp. allenii
Plants - Vascular	Pseudognaphalium leucocephalum	white rabbit-tobacco	PDAST440C0	None	None	-	2B.2	3311776	Black Star Canyon	Mapped	Plants - Vascular - Asteraceae - Pseudognaphalium leucocephalum
Plants - Vascular	Pseudognaphalium leucocephalum	white rabbit-tobacco	PDAST440C0	None	None	-	2B.2	3311786	Prado Dam	Mapped	Plants - Vascular - Asteraceae - Pseudognaphalium leucocephalum
Plants - Vascular	Senecio aphanactis	chaparral ragwort	PDAST8H060	None	None	-	2B.2	3411714	Fontana	Mapped	Plants - Vascular - Asteraceae - Senecio aphanactis

Plants - Vascular	Symphyotrichum defoliatum	San Bernardino aster	PDASTE80C0	None	None	-	1B.2	3411715	Guasti	Mapped	Plants - Vascular - Asteraceae - Symphyotrichum defoliatum
Plants - Vascular	Symphyotrichum defoliatum	San Bernardino aster	PDASTE80C0	None	None	-	1B.2	3311786	Prado Dam	Mapped	Plants - Vascular - Asteraceae - Symphyotrichum defoliatum
Plants - Vascular	Symphyotrichum defoliatum	San Bernardino aster	PDASTE80C0	None	None	-	1B.2	3411716	Ontario	Mapped	Plants - Vascular - Asteraceae - Symphyotrichum defoliatum
Plants - Vascular	Symphyotrichum defoliatum	San Bernardino aster	PDASTE80C0	None	None	-	1B.2	3311774	Lake Mathews	Mapped	Plants - Vascular - Asteraceae - Symphyotrichum defoliatum
Plants - Vascular	Harpagonella palmeri	Palmer's grapplinghook	PDBOR0H010	None	None	-	4.2	3311774	Lake Mathews	Mapped and Unprocessed	Plants - Vascular - Boraginaceae - Harpagonella palmeri
Plants - Vascular	Harpagonella palmeri	Palmer's grapplinghook	PDBOR0H010	None	None	-	4.2	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Boraginaceae - Harpagonella palmeri
Plants - Vascular	Phacelia keckii	Santiago Peak phacelia	PDHYD0C4G1	None	None	-	1B.3	3311775	Corona South	Mapped	Plants - Vascular - Boraginaceae - Phacelia keckii
Plants - Vascular	Phacelia stellaris	Brand's star phacelia	PDHYD0C510	None	None	-	1B.1	3311784	Riverside West	Mapped	Plants - Vascular - Boraginaceae - Phacelia stellaris
Plants - Vascular	Phacelia stellaris	Brand's star phacelia	PDHYD0C510	None	None	-	1B.1	3411715	Guasti	Mapped	Plants - Vascular - Boraginaceae - Phacelia stellaris
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311774	Lake Mathews	Unprocessed	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3311774	Lake Mathews	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3311775	Corona South	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3311784	Riverside West	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3311776	Black Star Canyon	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3411714	Fontana	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3311786	Prado Dam	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3311785	Corona North	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii
Plants - Vascular	Lepidium virginicum var. robinsonii	Robinson's pepper-grass	PDBRA1M114	None	None	-	4.3	3411716	Ontario	Mapped	Plants - Vascular - Brassicaceae - Lepidium virginicum var. robinsonii

Plants - Vascular	Thysanocarpus rigidus	rigid fringepod	PDBRA2Q070	None	None	-	1B.2	3411716	Ontario	Mapped	Plants - Vascular - Brassicaceae - Thysanocarpus rigidus
Plants - Vascular	Arenaria paludicola	marsh sandwort	PDCAR040L0	Endangered	Endangered	-	1B.1	3411714	Fontana	Mapped	Plants - Vascular - Caryophyllaceae - Arenaria paludicola
Plants - Vascular	Atriplex coulteri	Coulter's saltbush	PDCHE040E0	None	None	-	1B.2	3311786	Prado Dam	Mapped	Plants - Vascular - Chenopodiaceae - Atriplex coulteri
Plants - Vascular	Calystegia felix	lucky morning-glory	PDCON040P0	None	None	-	3.1	3311786	Prado Dam	Mapped and Unprocessed	Plants - Vascular - Convolvulaceae - Calystegia felix
Plants - Vascular	Calystegia felix	lucky morning-glory	PDCON040P0	None	None	-	3.1	3411716	Ontario	Mapped	Plants - Vascular - Convolvulaceae - Calystegia felix
Plants - Vascular	Convolvulus simulans	small-flowered morning-glory	PDCON05060	None	None	-	4.2	3311786	Prado Dam	Unprocessed	Plants - Vascular - Convolvulaceae - Convolvulus simulans
Plants - Vascular	Convolvulus simulans	small-flowered morning-glory	PDCON05060	None	None	-	4.2	3311774	Lake Mathews	Unprocessed	Plants - Vascular - Convolvulaceae - Convolvulus simulans
Plants - Vascular	Dudleya multicaulis	many-stemmed dudleya	PDCRA040H0	None	None	-	1B.2	3311774	Lake Mathews	Mapped and Unprocessed	Plants - Vascular - Crassulaceae - Dudleya multicaulis
Plants - Vascular	Dudleya multicaulis	many-stemmed dudleya	PDCRA040H0	None	None	-	1B.2	3311775	Corona South	Mapped	Plants - Vascular - Crassulaceae - Dudleya multicaulis
Plants - Vascular	Dudleya multicaulis	many-stemmed dudleya	PDCRA040H0	None	None	-	1B.2	3311776	Black Star Canyon	Mapped and Unprocessed	Plants - Vascular - Crassulaceae - Dudleya multicaulis
Plants - Vascular	Dudleya multicaulis	many-stemmed dudleya	PDCRA040H0	None	None	-	1B.2	3311786	Prado Dam	Mapped	Plants - Vascular - Crassulaceae - Dudleya multicaulis
Plants - Vascular	Dudleya multicaulis	many-stemmed dudleya	PDCRA040H0	None	None	-	1B.2	3311785	Corona North	Mapped	Plants - Vascular - Crassulaceae - Dudleya multicaulis
Plants - Vascular	Hesperocyparis forbesii	Tecate cypress	PGCUP040C0	None	None	-	1B.1	3311776	Black Star Canyon	Mapped	Plants - Vascular - Cupressaceae - Hesperocyparis forbesii
Plants - Vascular	Hesperocyparis goveniana	Gowen cypress	PGCUP04031	Threatened	None	-	1B.2	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Cupressaceae - Hesperocyparis goveniana
Plants - Vascular	Cladium californicum	California saw-grass	PMCYP04010	None	None	-	2B.2	3411715	Guasti	Mapped	Plants - Vascular - Cyperaceae - Cladium californicum
Plants - Vascular	Cladium californicum	California saw-grass	PMCYP04010	None	None	-	2B.2	3411716	Ontario	Mapped	Plants - Vascular - Cyperaceae - Cladium californicum
Plants - Vascular	Astragalus brauntonii	Braunton's milk-vetch	PDFAB0F1G0	Endangered	None	-	1B.1	3311776	Black Star Canyon	Mapped and Unprocessed	Plants - Vascular - Fabaceae - Astragalus brauntonii
Plants - Vascular	California macrophylla	round-leaved filaree	PDGER01070	None	None	-	1B.1	3311774	Lake Mathews	Mapped	Plants - Vascular - Geraniaceae - California macrophylla
Plants - Vascular	Juglans californica	southern California black walnut	PDJUG02020	None	None	-	4.2	3411716	Ontario	Unprocessed	Plants - Vascular - Juglandaceae - Juglans californica
Plants - Vascular	Juglans californica	southern California black walnut	PDJUG02020	None	None	-	4.2	3311786	Prado Dam	Unprocessed	Plants - Vascular - Juglandaceae - Juglans californica
Plants - Vascular	Lepechinia cardiophylla	heart-leaved pitcher sage	PDLAM0V020	None	None	-	1B.2	3311775	Corona South	Mapped and Unprocessed	Plants - Vascular - Lamiaceae - Lepechinia cardiophylla

Plants - Vascular	Lepechinia cardiophylla	heart-leaved pitcher sage	PDLAM0V020	None	None	-	1B.2	3311776	Black Star Canyon	Mapped and Unprocessed	Plants - Vascular - Lamiaceae - Lepechinia cardiophylla
Plants - Vascular	Monardella australis ssp. jokerstii	Jokerst's monardella	PDLAM18112	None	None	-	1B.1	3311786	Prado Dam	Mapped	Plants - Vascular - Lamiaceae - Monardella australis ssp. jokerstii
Plants - Vascular	Monardella hypoleuca ssp. intermedia	intermediate monardella	PDLAM180A4	None	None	-	1B.3	3311776	Black Star Canyon	Mapped	Plants - Vascular - Lamiaceae - Monardella hypoleuca ssp. intermedia
Plants - Vascular	Monardella hypoleuca ssp. intermedia	intermediate monardella	PDLAM180A4	None	None	-	1B.3	3311775	Corona South	Mapped	Plants - Vascular - Lamiaceae - Monardella hypoleuca ssp. intermedia
Plants - Vascular	Monardella pringlei	Pringle's monardella	PDLAM180J0	None	None	-	1A	3411714	Fontana	Mapped	Plants - Vascular - Lamiaceae - Monardella pringlei
Plants - Vascular	Calochortus catalinae	Catalina mariposa-lily	PMLIL0D080	None	None	-	4.2	3411715	Guasti	Unprocessed	Plants - Vascular - Liliaceae - Calochortus catalinae
Plants - Vascular	Calochortus catalinae	Catalina mariposa-lily	PMLIL0D080	None	None	-	4.2	3311786	Prado Dam	Unprocessed	Plants - Vascular - Liliaceae - Calochortus catalinae
Plants - Vascular	Calochortus catalinae	Catalina mariposa-lily	PMLIL0D080	None	None	-	4.2	3411716	Ontario	Unprocessed	Plants - Vascular - Liliaceae - Calochortus catalinae
Plants - Vascular	Calochortus catalinae	Catalina mariposa-lily	PMLIL0D080	None	None	-	4.2	3311775	Corona South	Unprocessed	Plants - Vascular - Liliaceae - Calochortus catalinae
Plants - Vascular	Calochortus catalinae	Catalina mariposa-lily	PMLIL0D080	None	None	-	4.2	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Liliaceae - Calochortus catalinae
Plants - Vascular	Calochortus plummerae	Plummer's mariposa-lily	PMLIL0D150	None	None	-	4.2	3311776	Black Star Canyon	Mapped	Plants - Vascular - Liliaceae - Calochortus plummerae
Plants - Vascular	Calochortus plummerae	Plummer's mariposa-lily	PMLIL0D150	None	None	-	4.2	3311775	Corona South	Mapped	Plants - Vascular - Liliaceae - Calochortus plummerae
Plants - Vascular	Calochortus plummerae	Plummer's mariposa-lily	PMLIL0D150	None	None	-	4.2	3411716	Ontario	Mapped	Plants - Vascular - Liliaceae - Calochortus plummerae
Plants - Vascular	Calochortus plummerae	Plummer's mariposa-lily	PMLIL0D150	None	None	-	4.2	3411715	Guasti	Mapped	Plants - Vascular - Liliaceae - Calochortus plummerae
Plants - Vascular	Calochortus plummerae	Plummer's mariposa-lily	PMLIL0D150	None	None	-	4.2	3411714	Fontana	Mapped	Plants - Vascular - Liliaceae - Calochortus plummerae
Plants - Vascular	Calochortus weedii var. intermedius	intermediate mariposa-lily	PMLIL0D1J1	None	None	-	1B.2	3311786	Prado Dam	Mapped	Plants - Vascular - Liliaceae - Calochortus weedii var. intermedius
Plants - Vascular	Calochortus weedii var. intermedius	intermediate mariposa-lily	PMLIL0D1J1	None	None	-	1B.2	3311775	Corona South	Mapped	Plants - Vascular - Liliaceae - Calochortus weedii var. intermedius
Plants - Vascular	Calochortus weedii var. intermedius	intermediate mariposa-lily	PMLIL0D1J1	None	None	-	1B.2	3311776	Black Star Canyon	Mapped and Unprocessed	Plants - Vascular - Liliaceae - Calochortus weedii var. intermedius

Plants - Vascular	Lilium humboldtii ssp. ocellatum	ocellated humboldt lily	PMLIL1A072	None	None	-	4.2	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Liliaceae - Lilium humboldtii ssp. ocellatum
Plants - Vascular	Sidalcea neomexicana	Salt Spring checkerbloom	PDMAL110J0	None	None	-	2B.2	3311786	Prado Dam	Mapped	Plants - Vascular - Malvaceae - Sidalcea neomexicana
Plants - Vascular	Sidalcea neomexicana	Salt Spring checkerbloom	PDMAL110J0	None	None	-	2B.2	3411716	Ontario	Mapped	Plants - Vascular - Malvaceae - Sidalcea neomexicana
Plants - Vascular	Calandrinia breweri	Brewer's calandrinia	PDPOR01020	None	None	-	4.2	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Montiaceae - Calandrinia breweri
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311776	Black Star Canyon	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311775	Corona South	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311774	Lake Mathews	Mapped and Unprocessed	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311786	Prado Dam	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311785	Corona North	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Camissoniopsis lewisii	Lewis' evening-primrose	PDONA030X0	None	None	-	3	3311786	Prado Dam	Unprocessed	Plants - Vascular - Onagraceae - Camissoniopsis lewisii
Plants - Vascular	Camissoniopsis lewisii	Lewis' evening-primrose	PDONA030X0	None	None	-	3	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Onagraceae - Camissoniopsis lewisii
Plants - Vascular	Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	PDSCR0J0C2	Endangered	Endangered	-	1B.2	3411714	Fontana	Mapped	Plants - Vascular - Orobanchaceae - Chloropyron maritimum ssp. maritimum
Plants - Vascular	Romneya coulteri	Coulter's matilija poppy	PDPAP0L010	None	None	-	4.2	3311786	Prado Dam	Unprocessed	Plants - Vascular - Papaveraceae - Romneya coulteri
Plants - Vascular	Romneya coulteri	Coulter's matilija poppy	PDPAP0L010	None	None	-	4.2	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Papaveraceae - Romneya coulteri
Plants - Vascular	Romneya coulteri	Coulter's matilija poppy	PDPAP0L010	None	None	-	4.2	3311774	Lake Mathews	Unprocessed	Plants - Vascular - Papaveraceae - Romneya coulteri
Plants - Vascular	Romneya coulteri	Coulter's matilija poppy	PDPAP0L010	None	None	-	4.2	3311775	Corona South	Unprocessed	Plants - Vascular - Papaveraceae - Romneya coulteri
Plants - Vascular	Mimulus diffusus	Palomar monkeyflower	PDSCR1B0Z0	None	None	-	4.3	3311775	Corona South	Unprocessed	Plants - Vascular - Phrymaceae - Mimulus diffusus
Plants - Vascular	Penstemon californicus	California beardtongue	PDSCR1L110	None	None	-	1B.2	3311776	Black Star Canyon	Mapped	Plants - Vascular - Plantaginaceae - Penstemon californicus
Plants - Vascular	Hordeum intercedens	vernal barley	PMPOA380E0	None	None	-	3.2	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Poaceae - Hordeum intercedens
Plants - Vascular	Muhlenbergia californica	California muhly	PMPOA480A0	None	None	-	4.3	3411715	Guasti	Mapped	Plants - Vascular - Poaceae - Muhlenbergia californica

Plants - Vascular	Muhlenbergia californica	California muhly	PMPOA480A0	None	None	-	4.3	3411716	Ontario	Mapped	Plants - Vascular - Poaceae - Muhlenbergia californica
Plants - Vascular	Sphenopholis obtusata	prairie wedge grass	PMPOA5T030	None	None	-	2B.2	3411714	Fontana	Mapped	Plants - Vascular - Poaceae - Sphenopholis obtusata
Plants - Vascular	Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	-	1B.1	3411714	Fontana	Mapped and Unprocessed	Plants - Vascular - Polemoniaceae - Eriastrum densifolium ssp. sanctorum
Plants - Vascular	Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	-	1B.1	3311786	Prado Dam	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum densifolium ssp. sanctorum
Plants - Vascular	Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	-	1B.1	3311785	Corona North	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum densifolium ssp. sanctorum
Plants - Vascular	Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	-	1B.1	3311776	Black Star Canyon	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum densifolium ssp. sanctorum
Plants - Vascular	Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	-	1B.1	3311784	Riverside West	Mapped	Plants - Vascular - Polemoniaceae - Eriastrum densifolium ssp. sanctorum
Plants - Vascular	Navarretia prostrata	prostrate vernal pool navarretia	PDPLM0C0Q0	None	None	-	1B.1	3411715	Guasti	Mapped	Plants - Vascular - Polemoniaceae - Navarretia prostrata
Plants - Vascular	Navarretia prostrata	prostrate vernal pool navarretia	PDPLM0C0Q0	None	None	-	1B.1	3411716	Ontario	Mapped	Plants - Vascular - Polemoniaceae - Navarretia prostrata
Plants - Vascular	Polygala cornuta var. fishiae	Fish's milkwort	PDPGL020B2	None	None	-	4.3	3311776	Black Star Canyon	Unprocessed	Plants - Vascular - Polygalaceae - Polygala cornuta var. fishiae
Plants - Vascular	Polygala cornuta var. fishiae	Fish's milkwort	PDPGL020B2	None	None	-	4.3	3311775	Corona South	Unprocessed	Plants - Vascular - Polygalaceae - Polygala cornuta var. fishiae
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311775	Corona South	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Chorizanthe leptotheca	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311774	Lake Mathews	Unprocessed	Plants - Vascular - Polygonaceae - Chorizanthe leptotheca
Plants - Vascular	Chorizanthe parryi var. fernandina	San Fernando Valley spineflower	PDPGN040J1	Candidate	Endangered	-	1B.1	3311776	Black Star Canyon	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe parryi var. fernandina
Plants - Vascular	Chorizanthe parryi var. parryi	Parry's spineflower	PDPGN040J2	None	None	-	1B.1	3311774	Lake Mathews	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe parryi var. parryi
Plants - Vascular	Chorizanthe parryi var. parryi	Parry's spineflower	PDPGN040J2	None	None	-	1B.1	3411715	Guasti	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe parryi var. parryi
Plants - Vascular	Chorizanthe parryi var. parryi	Parry's spineflower	PDPGN040J2	None	None	-	1B.1	3411714	Fontana	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe parryi var. parryi
Plants - Vascular	Chorizanthe polygonoides var. longispina	long-spined spineflower	PDPGN040K1	None	None	-	1B.2	3311774	Lake Mathews	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe polygonoides var. longispina

Plants - Vascular	Chorizanthe polygonoides var. longispina	long-spined spineflower	PDPGN040K1	None	None	-	1B.2	3311776	Black Star Canyon	Mapped	Plants - Vascular - Polygonaceae - Chorizanthe polygonoides var. longispina
Plants - Vascular	Dodecahema leptoceras	slender-horned spineflower	PDPGN0V010	Endangered	Endangered	-	1B.1	3411714	Fontana	Mapped	Plants - Vascular - Polygonaceae - Dodecahema leptoceras
Plants - Vascular	Dodecahema leptoceras	slender-horned spineflower	PDPGN0V010	Endangered	Endangered	-	1B.1	3411716	Ontario	Mapped	Plants - Vascular - Polygonaceae - Dodecahema leptoceras
Plants - Vascular	Horkelia cuneata var. puberula	mesa horkelia	PDROS0W045	None	None	-	1B.1	3411716	Ontario	Mapped	Plants - Vascular - Rosaceae - Horkelia cuneata var. puberula
Plants - Vascular	Horkelia cuneata var. puberula	mesa horkelia	PDROS0W045	None	None	-	1B.1	3411714	Fontana	Mapped	Plants - Vascular - Rosaceae - Horkelia cuneata var. puberula
Plants - Vascular	Horkelia cuneata var. puberula	mesa horkelia	PDROS0W045	None	None	-	1B.1	3411715	Guasti	Mapped	Plants - Vascular - Rosaceae - Horkelia cuneata var. puberula
Plants - Vascular	Nolina cismontana	chaparral nolina	PMAGA080E0	None	None	-	1B.2	3311776	Black Star Canyon	Mapped and Unprocessed	Plants - Vascular - Ruscaceae - Nolina cismontana
Plants - Vascular	Nolina cismontana	chaparral nolina	PMAGA080E0	None	None	-	1B.2	3311775	Corona South	Mapped	Plants - Vascular - Ruscaceae - Nolina cismontana
Plants - Vascular	Lycium parishii	Parish's desert-thorn	PDSOL0G0D0	None	None	-	2B.3	3411714	Fontana	Mapped	Plants - Vascular - Solanaceae - Lycium parishii

CNPS California Native Plant Rare and Endangered Plant Inventory

Plant List

56 matches found. *Click on scientific name for details*

Search Criteria

Found in 9 Quads around 33117H5

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
Abronia villosa var. aurita	chaparral sand-verbena	Nyctaginaceae	annual herb	1B.1	S2	G5T3T4
Allium munzii	Munz's onion	Alliaceae	perennial bulbiferous herb	1B.1	S1	G1
Ambrosia pumila	San Diego ambrosia	Asteraceae	perennial rhizomatous herb	1B.1	S1	G1
Astragalus brauntonii	Braunton's milk-vetch	Fabaceae	perennial herb	1B.1	S2	G2
Atriplex coulteri	Coulter's saltbush	Chenopodiaceae	perennial herb	1B.2	S2	G2
Baccharis malibuensis	Malibu baccharis	Asteraceae	perennial deciduous shrub	1B.1	S1	G1
Berberis nevinii	Nevin's barberry	Berberidaceae	perennial evergreen shrub	1B.1	S1	G1
Calandrinia breweri	Brewer's calandrinia	Montiaceae	annual herb	4.2	S34	G4
California macrophylla	round-leaved filaree	Geraniaceae	annual herb	1B.1	S2	G2
Calochortus catalinae	Catalina mariposa lily	Liliaceae	perennial bulbiferous herb	4.2	S4	G4
Calochortus plummerae	Plummer's mariposa lily	Liliaceae	perennial bulbiferous herb	4.2	S4	G4
Calochortus weedii var. intermedius	intermediate mariposa lily	Liliaceae	perennial bulbiferous herb	1B.2	S2	G3G4T2
Calystegia felix	lucky morning-glory	Convolvulaceae	annual rhizomatous herb	3.1	SH	GHQ
Camissoniopsis lewisii	Lewis' evening-primrose	Onagraceae	annual herb	3	S4	G4
Caulanthus simulans	Payson's jewel-flower	Brassicaceae	annual herb	4.2	S4	G4
Centromadia pungens ssp. laevis	smooth tarplant	Asteraceae	annual herb	1B.1	S2	G3G4T2
Chorizanthe leptotheca	Peninsular spineflower	Polygonaceae	annual herb	4.2	S3	G3
Chorizanthe parryi var. fernandina	San Fernando Valley spineflower	Polygonaceae	annual herb	1B.1	S1	G2T1
Chorizanthe parryi var. parryi	Parry's spineflower	Polygonaceae	annual herb	1B.1	S3	G3T3
Chorizanthe polygonoides var. longispina	long-spined spineflower	Polygonaceae	annual herb	1B.2	S3	G5T3
Chorizanthe xanti var. leucotheca	white-bracted spineflower	Polygonaceae	annual herb	1B.2	S3	G4T3

Cladium californicum	California sawgrass	Cyperaceae	perennial rhizomatous herb	2B.2	S2	G4
Convolvulus simulans	small-flowered morning-glory	Convolvulaceae	annual herb	4.2	S4	G4
Deinandra paniculata	paniculate tarplant	Asteraceae	annual herb	4.2	S4	G4
Dodecahema leptoceras	slender-horned spineflower	Polygonaceae	annual herb	1B.1	S1	G1
Dudleya multicaulis	many-stemmed dudleya	Crassulaceae	perennial herb	1B.2	S2	G2
Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	Polemoniaceae	perennial herb	1B.1	S1	G4T1
Harpagonella palmeri	Palmer's grapplinghook	Boraginaceae	annual herb	4.2	S3	G4
Hesperocyparis forbesii	Tecate cypress	Cupressaceae	perennial evergreen tree	1B.1	S2	G2
Hordeum intercedens	vernal barley	Poaceae	annual herb	3.2	S3S4	G3G4
Horkelia cuneata var. puberula	mesa horkelia	Rosaceae	perennial herb	1B.1	S1	G4T1
Juglans californica	Southern California black walnut	Juglandaceae	perennial deciduous tree	4.2	S3	G3
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	Asteraceae	annual herb	1B.1	S2	G4T2
Lepechinia cardiophylla	heart-leaved pitcher sage	Lamiaceae	perennial shrub	1B.2	S2S3	G3?
Lepidium virginicum var. robinsonii	Robinson's pepper-grass	Brassicaceae	annual herb	4.3	S3	G5T3
Lilium humboldtii ssp. ocellatum	ocellated Humboldt lily	Liliaceae	perennial bulbiferous herb	4.2	S3	G4T3
Microseris douglasii ssp. platycarpha	small-flowered microseris	Asteraceae	annual herb	4.2	S4	G4T4
Mimulus diffusus	Palomar monkeyflower	Phrymaceae	annual herb	4.3	S3	G4Q
Monardella australis ssp. jokerstii	Jokerst’s monardella	Lamiaceae	perennial rhizomatous herb	1B.1	S1	G4T1
Monardella hypoleuca ssp. intermedia	intermediate monardella	Lamiaceae	perennial rhizomatous herb	1B.3	S2S3	G4T2T3
Monardella pringlei	Pringle's monardella	Lamiaceae	annual herb	1A	SX	GX
Muhlenbergia californica	California muhly	Poaceae	perennial rhizomatous herb	4.3	S4	G4
Navarretia prostrata	prostrate vernal pool navarretia	Polemoniaceae	annual herb	1B.1	S2	G2
Nolina cismontana	chaparral nolina	Ruscaceae	perennial evergreen shrub	1B.2	S3	G3
Penstemon californicus	California beardtongue	Plantaginaceae	perennial herb	1B.2	S2	G3?
Pentachaeta aurea ssp. allenii	Allen's pentachaeta	Asteraceae	annual herb	1B.1	S1	G4T1
Phacelia keckii	Santiago Peak phacelia	Boraginaceae	annual herb	1B.3	S2	G2
Phacelia stellaris	Brand's star phacelia	Boraginaceae	annual herb	1B.1	S1	G1
	woolly chaparral-pea	Fabaceae	evergreen shrub	4.3	S3S4	G5T3T4

Pickeringia montana var. tomentosa						
Polygala cornuta var. fishiae	Fish's milkwort	Polygalaceae	perennial deciduous shrub	4.3	S4	G5T4
Pseudognaphalium leucocephalum	white rabbit-tobacco	Asteraceae	perennial herb	2B.2	S2	G4
Romneya coulteri	Coulter's matilija poppy	Papaveraceae	perennial rhizomatous herb	4.2	S4	G4
Senecio aphanactis	chaparral ragwort	Asteraceae	annual herb	2B.2	S2	G3?
Sidalcea neomexicana	salt spring checkerbloom	Malvaceae	perennial herb	2B.2	S2	G4
Sphenopholis obtusata	prairie wedge grass	Poaceae	perennial herb	2B.2	S2	G5
Symphyotrichum defoliatum	San Bernardino aster	Asteraceae	perennial rhizomatous herb	1B.2	S2	G2

Suggested Citation

CNPS, Rare Plant Program. 2015. Inventory of Rare and Endangered Plants (online edition, v8-02). California Native Plant Society, Sacramento, CA. Website http://www.rareplants.cnps.org [accessed 26 May 2015].

Search the Inventory
Simple Search
Advanced Search
Glossary

Information
About the Inventory
About the Rare Plant Program
CNPS Home Page
About CNPS
Join CNPS

Contributors
The Calflora Database
The California Lichen Society

Riverside County Transporation and Land Management Agency - TLMA

Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP)

APN	Cell	Cell Group	Acres	Area Plan	Sub Unit
164030010	Not A Part	Independent	10.95	Eastvale	Not a Part
164030012	Not A Part	Independent	36.79	Eastvale	Not a Part
164030013	Not A Part	Independent	0.9	Eastvale	Not a Part
164030014	Not A Part	Independent	34.04	Eastvale	Not a Part
164030024	Not A Part	Independent	40.38	Eastvale	Not a Part
164030025	Not A Part	Independent	30.03	Eastvale	Not a Part

HABITAT ASSESSMENTS

Habitat assessment shall be required and should address at a minimum potential habitat for the following species:

APN	Amphibia Species	Burrowing Owl	Criteria Area Species	Mammalian Species	Narrow Endemic Plant Species	Special Linkage Area
164030010	NO	**YES**	NO	NO	**YES**	NO
164030012	NO	**YES**	NO	NO	**YES**	NO
164030013	NO	**YES**	NO	NO	**YES**	NO
164030014	NO	**YES**	NO	NO	**YES**	NO
164030024	NO	**YES**	NO	NO	**YES**	NO
164030025	NO	**YES**	NO	NO	**YES**	NO

Burrowing Owl

Burrowing owl.

Narrow Endemic Plant Species

7) San Diego ambrosia, Brand's Phacelia, San Miguel savory

If potential habitat for these species is determined to be located on the property, focused surveys may be required during the appropriate season.

Background

The final MSHCP was approved by the County Board of Supervisors on June 17, 2003. The federal and state permits were issued on June 22, 2004 and implementation of the MSHCP began on June 23, 2004.

For more information concerning the MSHCP, contact your local city or the County of Riverside for the

unincorporated areas. Additionally, the Western Riverside County Regional Conservation Authority (RCA), which oversees all the cities and County implementation of the MSHCP, can be reached at:

Western Riverside County Regional Conservation Authority
3403 10th Street, Suite 320
Riverside, CA 92501

Phone: 951-955-9700
Fax: 951-955-8873

www.wrc-rca.org

Go Back To Previous Page

GIS Home Page

TLMA Home Page

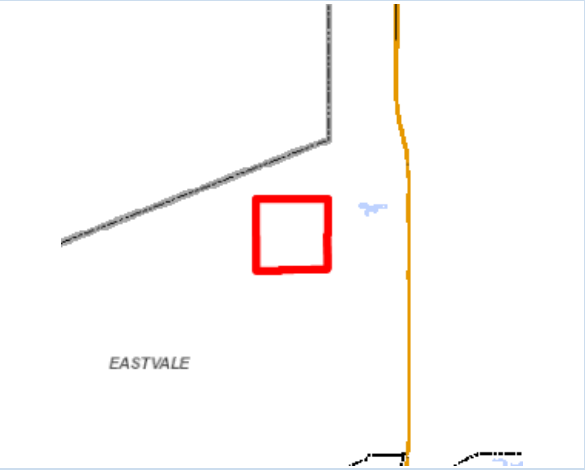
Riverside County Parcel Report

Selected parcels: 164-030-010, 164-030-012, 164-030-013, 164-030-014, 164-030-024, 164-030-025

Disclaimer

Report Date: Thursday, May 28, 2015

MAPS/IMAGES



PARCEL

APN(s)	164-030-010-9 164-030-012-1 164-030-013-2 164-030-014-3 164-030-024-2 164-030-025-3	**Supervisorial District 2011** **Supervisorial District 2001**	JOHN TAVAGLIONE, DISTRICT 2 JOHN TAVAGLIONE, DISTRICT 2
Previous APN(s)	164-030-010: 134080014 164-030-012: 134080016 164-030-013: 164030008 164-030-014: 164030009 164-030-024: 164030020 164-030-025: 164030021	**Township/Range**	T2SR7W SEC 24
Address	No address available 164-030-025: 12740 58TH ST CORONA, CA 92880	**Elevation Range**	660 - 680
Mailing Address	164-030-010: 12740 58TH ST CORONA CA, CA 92880 164-030-012: 12740 58TH ST CORONA CA, CA 92880 164-030-013: 12740 58TH ST CORONA CA, CA 92880 164-030-014: 12740 58TH ST CORONA CA, CA 92880 164-030-024: 12740 58TH ST CORONA CA, CA 92880 164-030-025: 12740 58TH ST CORONA CA, CA	**Thomas Bros. Map Page/Grid**	PAGE: 683 GRID: C4 PAGE: 683 GRID: C5 PAGE: 683 GRID: D4 PAGE: 683 GRID: D5

PARCEL			
Legal Description	164-030-010: Recorded Page: Not Available Subdivision Name: Lot/Parcel: Not Available Block: Not Available Tract Number: Not Available 164-030-012: Recorded Page: Not Available Subdivision Name: Lot/Parcel: Not Available Block: Not Available Tract Number: Not Available 164-030-013: Recorded Page: Not Available Subdivision Name: Lot/Parcel: Not Available Block: Not Available Tract Number: Not Available 164-030-014: Recorded Page: Not Available Subdivision Name: Lot/Parcel: Not Available Block: Not Available Tract Number: Not Available 164-030-024: Recorded Page: Not Available Subdivision Name: Lot/Parcel: Not Available Block: Not Available Tract Number: Not Available 164-030-025: Recorded Page: Not Available Subdivision Name: Lot/Parcel: Not Available Block: Not Available Tract Number: Not Available	**Indian Tribal Land**	Not in Tribal Land
Lot Size	164-030-010: Recorded lot size is 10.97 acres 164-030-012: Recorded lot size is 39.55 acres 164-030-013: Recorded lot size is 0.82 acres 164-030-014: Recorded lot size is 33.73 acres 164-030-024: Recorded lot size is 40.00 acres 164-030-025: Recorded lot size is 28.20 acres	**City Boundary/Sphere**	City Boundary: EASTVALE Not within a City Sphere Annexation Date: Not Applicable LAFCO Case #: 2008-18-2 Proposals: Not Applicable
Property Characteristcs	164-030-010: Constructed: 1920 Baths: 1.75 Bedrooms: 3 Const. Type: CONCRETE BLOCK THROUGHOUT Prop Area: 1778 SqFt Roof Type: COMPOSITION Stories: 1 164-030-024: Baths: 0.00 Bedrooms: 0 Const. Type: SPECIAL CONSTRUCTION Prop Area: 0 SqFt Roof Type: UNKNOWN 164-030-025: Baths: 0.00 Bedrooms: 0 Const. Type: SPECIAL CONSTRUCTION Prop Area: 0 SqFt Roof Type: UNKNOWN	**March Joint Powers Authority**	NOT WITHIN THE JURISDICTION OF THE MARCH JOINT POWERS AUTHORITY

PARCEL			
		County Service Area	Not in a County Service Area

PLANNING			
Specific Plans	Not within a Specific Plan	**Historic Preservation Districts**	Not in an Historic Preservation District
Land Use Designations	BP HDR MDR	**Agricultural Preserve**	MIRA LOMA, 18
General Plan Policy Overlays	Not in a General Plan Policy Overlay Area	**Redevelopment Areas**	Not in a Redevelopment Area
Area Plan (RCIP)	Eastvale	**Airport Influence Areas**	CHINO
General Plan Policy Areas	None	**Airport Compatibility Zones**	Not in an Airport Compatibility Zone
Zoning Classifications (ORD. 348)	Zoning: A-2-10 Zoning: A-2-20 CZNumber: 0	**Zoning Districts and Zoning Areas**	Not in a Zoning District/Area
Zoning Overlays	"IN OR PARTIALLY WITHIN THE EASTVALE, NEIGHBORHOOD PRESERVATION OVERLAY	**Community Advisory Councils**	Not in a Community Advisory Council Area

ENVIRONMENTAL			
CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Plan Area	NOT WITHIN THE COACHELLA VALLEY MSHCP FEE AREA MSHCP Plan Area	**WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Cell Group**	Not in a Cell Group
CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Conservation Area	Not in a Conservation Area	**WRMSHCP Cell Number**	None
CVMSHCP Fluvial Sand Transport Special Provision Areas	Not in a Fluvial Sand Transport Special Provision Area	**HANS/ERP (Habitat Acquisition and Negotiation Strategy/Expedited Review Process)**	None
WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Plan Area	None	**Vegetation (2005)**	Agricultural Land

FIRE			
High Fire Area (Ord. 787)	Not in a High Fire Area	**Fire Responsibility Area**	Not in a Fire Responsibility Area

DEVELOPMENT FEES			
CVMSHCP (Coachella Valley Multi-Species Habitat Conservation Plan) Fee Area (Ord 875)	NOT WITHIN THE COACHELLA VALLEY MSHCP FEE AREA MSHCP Fee Area	**RBBD (Road & Bridge Benefit District)**	MIRA LOMA , D
WRMSHCP (Western Riverside County Multi-Species Habitat Conservation Plan) Fee Area (Ord. 810)	IN OR PARTIALLY WITHIN THE WESTERN RIVERSIDE MSHCP FEE AREA. SEE MAP FOR MORE INFORMATION	**DIF (Development Impact Fee Area Ord. 659)**	EASTVALE
Western TUMF (Transportation Uniform Mitigation Fee Ord. 824)	IN OR PARTIALLY WITHIN A TUMF FEE AREA. SEE MAP FOR MORE INFORMATION. NORTHWEST	**SKR Fee Area (Stephen's Kagaroo Rat Ord. 663.10)**	Not within a SKR Fee Area
Eastern TUMF (Transportation Uniform Mitigation Fee Ord. 673)	NOT WITHIN THE EASTERN TUMF FEE AREA	**DA (Development Agreements)**	Not in a Development Agreement Area

TRANSPORTATION

Circulation Element Ultimate Right-of-Way	IN OR PARTIALLY WITHIN A CIRCULATION ELEMENT RIGHT-OF-WAY. SEE MAP FOR MORE INFORMATION. CONTACT THE TRANSPORTATION DEPT. PERMITS SECTION AT (951) 955-6790 FOR INFORMATION REGARDING THIS PARCEL IF IT IS IN AN UNINCORPORATED AREA.	**Road Book Page**	14B 14C 14D 14E
		Transportation Agreements	Not in a Transportation Agreement
		CETAP (Community and Environmental Transportation Acceptability Process) Corridors	Not in a CETAP Corridor

HYDROLOGY

Flood Plan Review	Not Required	**Watershed**	SANTA ANA RIVER
Water District	WMWD	**California Water Board**	None
Flood Control District	RIVERSIDE COUNTY FLOOD CONTROL DISTRICT		

GEOLOGIC

Fault Zone	Not in a Fault Zone	**Paleontological Sensitivity**	High Sensitivity (High B): SENSITIVITY EQUIVALENT TO HIGH A, BUT IS BASED ON THE OCCURRENCE OF FOSSILS AT A SPECIFIED DEPTH BELOW THE SURFACE. THE CATEGORY HIGH B INDICATES THAT FOSSILS ARE LIKELY TO BE ENCOUNTERED AT OR BELOW FOUR FEET OF DEPTH, AND MAY BE IMPACTED DURING EXCAVATION BY CONSTRUCTION ACTIVITIES.
Faults	Not within a 1/2 mile of a Fault		
Liquefaction Potential	High Moderate		
Subsidence	Susceptible		

MISCELLANEOUS

School District	CORONA-NORCO UNIFIED	**Tax Rate Areas**	164-030-010: CITY OF EASTVALE CITY OF EASTVALE FIRE PROTECTION CORONA NORCO UNIFIED SCHOOL COUNTY FREE LIBRARY CSA 152 FLOOD CONTROL ADMINISTRATION FLOOD CONTROL ZONE 2 GENERAL GENERAL PURPOSE INLAND EMPIRE JT(33,36)RES. JURUPA COMMUNITY SERVICES METRO WATER WEST N.W. MOSQUITO & VECTOR CONT DIST RIV CO REG PARK & OPEN SPACE RIV. CO. OFFICE OF EDUCATION RIVERSIDE CITY COMMUNITY COLLEGE WESTERN MUNICIPAL WATER 164-030-012: CITY OF EASTVALE CITY OF EASTVALE FIRE PROTECTION CORONA NORCO UNIFIED SCHOOL COUNTY FREE LIBRARY CSA 152 FLOOD CONTROL ADMINISTRATION FLOOD CONTROL ZONE 2 GENERAL GENERAL PURPOSE INLAND EMPIRE JT(33,36)RES. JURUPA COMMUNITY
Communities	Eastvale		
Lighting (Ord. 655)	Not Applicable		
2010 Census Tract	040607		
Farmland	LOCAL IMPORTANCE OTHER LANDS PRIME FARMLAND URBAN-BUILT UP LAND		
Special Notes	No Special Notes		

MISCELLANEOUS	JURUPA COMMUNITY SERVICES METRO WATER WEST N.W. MOSQUITO & VECTOR CONT DIST RIV CO REG PARK & OPEN SPACE RIV. CO. OFFICE OF EDUCATION RIVERSIDE CITY COMMUNITY COLLEGE WESTERN MUNICIPAL WATER 164-030-013: CITY OF EASTVALE CITY OF EASTVALE FIRE PROTECTION CORONA NORCO UNIFIED SCHOOL COUNTY FREE LIBRARY CSA 152 FLOOD CONTROL ADMINISTRATION FLOOD CONTROL ZONE 2 GENERAL GENERAL PURPOSE INLAND EMPIRE JT(33,36)RES. JURUPA COMMUNITY SERVICES METRO WATER WEST N.W. MOSQUITO & VECTOR CONT DIST RIV CO REG PARK & OPEN SPACE RIV. CO. OFFICE OF EDUCATION RIVERSIDE CITY COMMUNITY COLLEGE WESTERN MUNICIPAL WATER 164-030-014: CITY OF EASTVALE CITY OF EASTVALE FIRE PROTECTION CORONA NORCO UNIFIED SCHOOL COUNTY FREE LIBRARY CSA 152 FLOOD CONTROL ADMINISTRATION FLOOD CONTROL ZONE 2 GENERAL GENERAL PURPOSE INLAND EMPIRE JT(33,36)RES. JURUPA COMMUNITY SERVICES METRO WATER WEST N.W. MOSQUITO & VECTOR CONT DIST RIV CO REG PARK & OPEN SPACE RIV. CO. OFFICE OF EDUCATION RIVERSIDE CITY COMMUNITY COLLEGE WESTERN MUNICIPAL WATER 164-030-024: CITY OF EASTVALE CITY OF EASTVALE FIRE PROTECTION CORONA NORCO UNIFIED SCHOOL COUNTY FREE LIBRARY CSA 152 FLOOD CONTROL ADMINISTRATION FLOOD CONTROL ZONE 2 GENERAL GENERAL PURPOSE INLAND EMPIRE JT(33,36)RES. JURUPA COMMUNITY SERVICES METRO WATER WEST N.W. MOSQUITO & VECTOR CONT DIST RIV CO REG PARK & OPEN SPACE RIV. CO. OFFICE OF EDUCATION RIVERSIDE CITY COMMUNITY COLLEGE WESTERN MUNICIPAL WATER 164-030-025: CITY OF EASTVALE

MISCELLANEOUS

CITY OF EASTVALE FIRE PROTECTION
CORONA NORCO UNIFIED SCHOOL
COUNTY FREE LIBRARY
CSA 152
FLOOD CONTROL ADMINISTRATION
FLOOD CONTROL ZONE 2
GENERAL
GENERAL PURPOSE
INLAND EMPIRE
JT(33,36)RES.
JURUPA COMMUNITY SERVICES
METRO WATER WEST
N.W. MOSQUITO & VECTOR CONT DIST
RIV CO REG PARK & OPEN SPACE
RIV. CO. OFFICE OF EDUCATION
RIVERSIDE CITY COMMUNITY COLLEGE
WESTERN MUNICIPAL WATER

PERMITS/CASES/ADDITIONAL

Building Permits

Case #	Description	Status
369304	REPLACE ELECTRICAL PANEL	FINALED
BEL970164	METER RESET FOR WATER PUMP	EXPIRED
BIC091177	001323	COMPLETE
BXX014430	RETAINING WALL	EXPIRED
BZ251469	GAS PIPE	FINAL

Environmental Health Permits

Case #	Description	Status
EHW100347	NEW INDIVIDUAL WELL	APPLIED

Planning Cases

PERMITS/CASES/ADDITIONAL

Case #	Description	Status
AG00945	DIMINISHMENT OF AGRICULTURAL PRESERVE	APPROVED
AG00945	DIMINISHMENT OF AGRICULTURAL PRESERVE	APPROVED
AG00973	DIS/DIM MIRA LOMA AG PRESERVE 18 PURSUANT TO NONR	APPROVED
CFG03293	GPA 761 / CZ 7059 / TR 32909	PAID
CFG03293	GPA 761 / CZ 7059 / TR 32909	PAID
CFG04161	CALIFORNIA FISH AND GAME FOR EA40724	PAID
CFG04161	CALIFORNIA FISH AND GAME FOR EA40724	PAID
CFG04161	CALIFORNIA FISH AND GAME FOR EA40724	PAID
CFG04161	CALIFORNIA FISH AND GAME FOR EA40724	PAID
CFG04161	CALIFORNIA FISH AND GAME FOR EA40724	PAID
CZ07059	CHANGE ZONE FROM A-20-20 TO R-3	ABANDON
CZ07059	CHANGE ZONE FROM A-20-20 TO R-3	ABANDON
CZ07303	CHNG FRM A-2-10&A-2-20 TO SPECIFIC PLAN ZONING	WITHDRWN
CZ07303	CHNG FRM A-2-10&A-2-20 TO SPECIFIC PLAN ZONING	WITHDRWN
CZ07303	CHNG FRM A-2-10&A-2-20 TO SPECIFIC PLAN ZONING	WITHDRWN
CZ07303	CHNG FRM A-2-10&A-2-20 TO SPECIFIC PLAN ZONING	WITHDRWN
CZ07303	CHNG FRM A-2-10&A-2-20 TO SPECIFIC PLAN ZONING	WITHDRWN
EA39825	EA FOR TR32909	APPROVED
EA39825	EA FOR TR32909	APPROVED
EA40724	SP00354 GPA0793 CZ07303	WITHDRWN
EA40724	SP00354 GPA0793 CZ07303	WITHDRWN
EA40724	SP00354 GPA0793 CZ07303	WITHDRWN
EA40724	SP00354 GPA0793 CZ07303	WITHDRWN
EA40724	SP00354 GPA0793 CZ07303	WITHDRWN
GEO01401	LIQUEFACTION REPORT FOR TR32909	APPROVED
GEO01401	LIQUEFACTION REPORT FOR TR32909	APPROVED
GPA00761	GPA FROM MDR TO HDR	APPROVED
GPA00761	GPA FROM MDR TO HDR	APPROVED
GPA00793	CHG FRM BP-MDR TO HDR 20 ACRES PER UNIT	WITHDRWN
GPA00793	CHG FRM BP-MDR TO HDR 20 ACRES PER UNIT	WITHDRWN
GPA00793	CHG FRM BP-MDR TO HDR 20 ACRES PER UNIT	WITHDRWN
GPA00793	CHG FRM BP-MDR TO HDR 20 ACRES PER UNIT	WITHDRWN
GPA00793	CHG FRM BP-MDR TO HDR 20 ACRES PER UNIT	WITHDRWN
LLA04808	LLA - ADJ LOT CONFIGURATION FOR TR32909	APPROVED
LLA04808	LLA - ADJ LOT CONFIGURATION FOR TR32909	APPROVED
PDB03138		RECEIVED
PDB03251	HABITAT ASSESSMENT FOR BUOW AND BRAND'S PHACELIA	REVIEWED
PDB03251	HABITAT ASSESSMENT FOR BUOW AND BRAND'S PHACELIA	REVIEWED
PDB03905	S.D. AMBROSIA & S.M. SAVORY HABITAT ASSESSMENT	REVIEWED
PDB03905	S.D. AMBROSIA & S.M. SAVORY HABITAT ASSESSMENT	REVIEWED
PDB04205	HABITAT ASSESSMENTS	REVIEWED
PDB04205	HABITAT ASSESSMENTS	REVIEWED
PDB04205	HABITAT ASSESSMENTS	REVIEWED
PDB04205	HABITAT ASSESSMENTS	REVIEWED
PDB04205	HABITAT ASSESSMENTS	REVIEWED
PDB04205	HABITAT ASSESSMENTS	REVIEWED
PDB04635	GENERAL BIO REPORT	REVIEWED
SP00354	SNGL FMLY DTCHD CONDOS PARKS CIVIC CTR WTR QLTY BS	WITHDRWN
SP00354	SNGL FMLY DTCHD CONDOS PARKS CIVIC CTR WTR QLTY BS	WITHDRWN
SP00354	SNGL FMLY DTCHD CONDOS PARKS CIVIC CTR WTR QLTY BS	WITHDRWN
SP00354	SNGL FMLY DTCHD CONDOS PARKS CIVIC CTR WTR QLTY BS	WITHDRWN
SP00354	SNGL FMLY DTCHD CONDOS PARKS CIVIC CTR WTR QLTY BS	WITHDRWN
TR32909	SUBDIVIDE 40 ACRES INTO 140 SINGLE FAMILY LOTS	APPROVED
TR32909	SUBDIVIDE 40 ACRES INTO 140 SINGLE FAMILY LOTS	APPROVED

Code Cases

PERMITS/CASES/ADDITIONAL

Case #	Description	Status
No Code Cases	Not Applicable	Not Applicable