

# RFP FOR PROFESSIONAL ENVIRONMENTAL SERVICES FOR OAK VALLEY PARKWAY EXPANSION PHASE II

Prepared For:



**City of Beaumont**

Attn: Vincent Lopez, Project Manager  
550 E. Sixth Street  
Beaumont, CA 92223

Prepared By:



**Jennings Environmental, LLC**

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**RFP FOR PROFESSIONAL ENVIRONMENTAL SERVICES FOR OAK VALLEY PARKWAY EXPANSION  
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## **COVER LETTER**

March 6, 2024

City of Beaumont  
Attn: Vincent Lopez, Project Manager  
550 E. Sixth Street  
Beaumont, CA 92223

**RE: RFP FOR PROFESSIONAL ENVIRONMENTAL SERVICES FOR OAK VALLEY PARKWAY  
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### **EXECUTIVE SUMMARY**

Jennings Environmental, LLC (Jennings) is pleased to provide this proposal for the CEQA Services in relation to the RFP for Professional Environmental Services for the Oak Valley Parkway Expansion Phase II Project, for the City of Beaumont (City). Serving as an extension of City staff, our approach and scope include proactive communication with stakeholders, concurrent baseline surveys, and legally defensible environmental documents for future use.

Jennings has proven capabilities to effectively complete the environmental documentation on time and budget. We appreciate your consideration of Jennings and are available to begin immediately. The undersigned is an agent authorized to submit proposals on behalf of Jennings and is authorized to bind Jennings contractually. Also, there are no known conflicts of interest in providing services to the City on this project or conflicts with the sample agreement contained in the RFP.

### **PROJECT UNDERSTANDING**

Based upon our review of available project information, we have developed a greater understanding of the issues involved with the project. Challenges include environmental issues, historical and cultural issues, and the goal to achieve proper compliance with the California Environmental Quality Act (CEQA). Additional issues include the necessity to have Caltrans approval on the environmental documents.

The City is seeking to obtain the services of a qualified consultant to provide the necessary CEQA documentation for the proposed Project. The proposed Project includes the reconstruction of the I-10 and Oak Valley Parkway Interchange ramps and the widening of Oak Valley Parkway.

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To support the City in their CEQA findings, Jennings believes that the following technical reports will be required in addition to the reports provide by the City:

- Air Quality
- Greenhouse Gas
- Energy
- Noise Study
- Cultural Resources
- Traffic
- Phase 1 ESA

The detailed scope of work for each technical report is provided below in Section 2.4. Jennings believes that with the above technical reports and the technical reports provided, an Initial Study and Mitigated Negative Declaration will be sufficient for the Project.

**SUB-CONSULTANTS**

Depending on the scope of any proposed Project, Jennings will utilize the exceptional skills of our sub-consultants to provide the City with detailed technical reports that meet the requirements for Caltrans. The list of sub consultants and their expertise is described in Section 1 below.

**QUALIFICATIONS**

Jennings is a small California LLC located in the City of Yucaipa. Founded in 2020, Jennings is a certified Small Business by the California Small Business Administration. Although Jennings is a newer firm our Principal has extensive experience in preparing a wide variety of documents that comply with both NEPA, CEQA, and regulatory agency requirements. Prior to forming Jennings Environmental, LLC, our Principal worked for a private lake and managed all environmental permitting requirements, a private consulting firm in Redlands, CA (Jericho Systems, Inc), and was an environmental planner for the Riverside County Flood Control and Water Conservation District.

Jennings acknowledges the receipt of the addendums provided on the City's website. Additionally, this Proposal is a firm offer and shall remain valid for a period of no less than 90 days from the date of submittal.

We believe that, although we are a new firm our past experience and dedication to our clients and projects is how we can provide the City with top-quality results at a more affordable price.

Sincerely,



Eugene Jennings, Principal/Regulatory Specialist  
35414 Acacia Ave.  
Yucaipa, CA 92399  
909-534-4547  
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**1.0 – ORGANIZATIONAL STRUCTURE**

Jennings offers seasoned professionals for this project. Our unique team makeup serves as a complement and enables us to provide a unique approach and perspective. For this Project, Jennings will be acting as the Prime Consultant with three sub-consultants to assist with specialized technical reports. We have assembled an expert team of small businesses that are capable and ready to complete your project.

Our professionals for this project include the following. Summaries are provided in this section and the full resumes are provided in Attachment 1.

**Gene Jennings, Principal/Regulatory Specialist.** Mr. Jennings has over 10 years of experience in environmental planning, natural resource management, impact analysis, special status species survey, project risk analysis, and construction monitoring. He has prepared biological assessments, reports, and restoration plans in compliance with the Clean Water Act, Fish and Game Codes, Migratory Bird Treaty Act, federal and state Endangered Species Acts, Caltrans, Federal Highway Administration, California Coastal Commission, California Environmental Quality Act (CEQA), and the National Environmental Policy Act (NEPA).

Below is a list of sub-consultants that Jennings proposes to use for different aspects of this project. Their individual cost assumptions are included in the Funding Proposal (Attachment 2).

<b>Sub-Consultant</b>	<b>Contact Information</b>	<b>Service Provided</b>
<b>MD Acoustics, LLC</b>	Mike Dickerson Principal 1197 Los Angeles Avenue, Ste C-256 Simi Valley, CA 93065 (805) 426-4477 or mike@mdacoustics.com	Air/GHG/Energy/Noise
<b>CRM Tech</b>	Michael Hogan Principal Investigator 1016 E. Cooley Dr., Suite A/B Colton, CA 92324 (909) 824-6400 or mhogan@crmtech.us	Paleo/Archeo/Cultural Resources
<b>TJW Engineering</b>	David Chew <i>Transportation Planning Manager</i> TJW ENGINEERING, INC. 9841 Irvine Center Dr., Suite 200 Irvine, CA 92618 d: (949) 536-8450	Trip Generation Screening and VMT

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<b>Roux Associates, Inc</b>	Kasia Anderson Project Geologist 5150 Pacific Coast Hwy #450 Long Beach, CA 90804 805-849-9338 or kanderson@rouxinc.com	Phase 1 ESA
<b>LGC Geotechnical, Inc</b>	Kevin Colson Vice President 131 Calle Iglesia, Suite 200 San Clemente, CA 92672 (949) 369-6141 or kcolson@lgcgeotechnical.com	Geotechnical Report Review

**MD Acoustics, LLC (Noise)**

MD Acoustics, LLC (MD) provides acoustical consulting services for noise and vibration control. Located in Phoenix, Arizona and Los Angeles, California our clients range from the aerospace industry to municipalities to private land developers. MD has completed numerous noise studies and noise evaluations, throughout California, Arizona, Nevada, New Mexico, Colorado, Utah, Idaho, Oregon, Washington, Georgia, Florida, Massachusetts, New York, Maryland, and Hawaii. In addition to noise and vibration engineering services, MD also offers audio engineering services, air quality, and greenhouse gas impact studies.

MD utilizes the latest equipment and a variety of computational measurement methods and analytical software to complete all work. MD’s equipment is portable, cutting edge, and easy to use. MD’s technical resources allow the company to be extremely productive, organized, and thorough.

**CRM Tech (Cultural Studies)**

CRM TECH is a full-service cultural resources management consulting firm that has been providing our services to a wide variety of public agencies, environmental firms, private developers, and individuals since 1993. CRM TECH has completed more than 3,000 cultural and paleontological resources studies throughout the State of California, the majority of them in southern California. These jobs were completed according to guidelines of the California Environmental Quality Act (CEQA), the National Historic Preservation Act (NHPA), and/or the National Environmental Policy Act (NEPA), as well specific requirements of individual public agencies (e.g., County of San Bernardino, Caltrans, Bureau of Land Management, USACOE, FAA, etc.). During this time, CRM TECH has acquired a unique expertise in California architectural history, archaeology, history, ethnography, anthropology, and paleontology. At the same time, CRM TECH has developed efficient methods using up-to-date technologies to deal with the full spectrum of historical, archaeological, and paleontological resource issues. Services provided by CRM TECH comprise all aspects and phases of cultural resources investigations pertaining to architectural history, archaeology, history, and paleontology. CRM TECH utilizes our broad range of knowledge and experience to successfully complete required cultural/paleontological studies according to the appropriate guidelines. CRM TECH provides high-quality, legally defensible cultural resource compliance reports for a reasonable,

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fair price. We take pride in completing projects in a timely manner and within the established budget.

### **TJW Engineering (Trip Generation Analysis and VMT)**

TJW Engineering, Inc. (TJW) is a professional civil engineering consulting firm specializing in traffic engineering design and transportation planning services. Our team of professional engineers and certified experts has over 75 years of combined years of project management and design experience in traffic engineering and transportation planning. Since opening our doors in 2010, TJW has prepared and designed hundreds of traffic engineering design plans and transportation studies throughout California and neighboring states. As a certified small business firm in California, we provide sound and cost-effective design solutions and studies on projects large and small for engineers, architects, developers, contractors, and public sector clients.

### **Roux Associates, Inc (Phase 1 ESA)**

Founded over 40 years ago, Roux was built upon management and cleanup of large, complex environmental remediation projects, including Superfund sites, chemical and manufacturing plants, and petroleum refineries and distribution terminals. Today, Roux offers a much broader array of consulting services as an employee-owned company with over 450 environmental, health & safety, and economic professionals in a variety of science, economic, and engineering disciplines. Roux's clients span sectors in Real Estate; Financial; Manufacturing/Industrial; Energy; Legal; Insurance; Government/Municipal; Environmental, Social, and Governance (ESG); and Water Resources.

While Roux remains a leading brand across the country for environmental remediation services, the interdisciplinary nature of many of the challenges our clients face is now mirrored by the expansion of Roux's services into areas such as human health and ecological risk, commercial economic damages, natural resources valuation, industrial hygiene, health & safety, and engineered natural/sustainable systems.

### **LGC Geotechnical, Inc (Geotechnical Report Review)**

LGC Geotechnical, Inc. is a San Clemente based firm providing quality, full-service geotechnical consulting services to some of the largest and most highly regarded companies and organizations throughout Southern California. Our goal is simple: extraordinary product quality and superior customer service by observing our clients needs and utilizing our technical knowledge and extensive experience to address them with a prompt and efficient approach. LGC Geotechnical's corporate philosophy combines commitment, motivation, and teamwork to provide our clients with the highest quality work in a timely and professional manner.

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### 2.0 – CEQA INITIAL STUDY

#### 2.1 – TASK 1: PROJECT MANAGEMENT

Jennings has a different qualification for this project than other firms as our principal has worked in both the public and private sectors. He has experience in performing project management as a consultant working for a governmental agency and project management as an environmental planner for a governmental agency. This unique perspective provides an insight into how projects should be managed and how to move projects forward, all while monitoring the budget and timeline.

Jennings understands our role as a service organization and the fact that good communication will result in a successful project. Specific ways we will facilitate communication are:

- Weekly Scheduling Reports: Jennings has developed and implemented a process of weekly scheduling for all active projects and task orders. These reports are sent to the Project Managers and indicate tasks performed in the current week and planned activities for the following week.
- Filing: Jennings maintains an extensive filing system for each of our contracts. All incoming and outgoing correspondence is logged for ease of document retrieval. All deliverables are copied to disk and stored in the files along with a submitted original copy in word processing and portable document formats.

#### 2.2 – TASK 2: DATA GATHERING AND ANALYSIS

Jennings will complete an extensive site visit and data collection effort related to the project. This will include, but limited to, reviewing all previous documentation provided by the City, conducting field visits and coordinating field work from sub-consultants, compile base mapping, and meet with the City to discuss standards.

As noted above we plan to use a well-qualified group of sub-consultants to perform the various tasks as outlined below:

##### Technical Report Preparation

- MD Acoustics (Air-GHG-Energy-Noise Report)
- CRM Tech (Cultural and Paleo Report)
- TJW Engineering (Traffic)
- Roux Associates (Phase 1 ESA)
- Jennings Environmental (Biological-MHSCP Report)



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### **2.3 – TASK 3: GEOTECHNICAL INVESTIGATION**

The City seeks to obtain a review of any previously prepared geotechnical reports for adjacent developments and the Preliminary Geotechnical Report prepared by the Engineering Design Consultants. Jennings will rely on the sub-consulting Geotechnical firm, LGC Geotechnical, Inc. (LGC), for the preparation of the technical review memo. This will include the following scope of work:

- Perform a site visit to observe the existing site and geotechnical conditions.
- Review readily available geotechnical information pertinent to the site including in-house regional geologic maps and published geotechnical literature.
- Review multiple existing geotechnical reports for the subject project and adjacent developments.
- Provide a technical memorandum summarizing the existing geotechnical reports and recommendations.
- Prepare an updated technical memorandum incorporating city comments.

LGC will summarize the results and recommendations into a Technical Memorandum as requested by the City. Results of the geotechnical investigation will be incorporated into the final CEQA documents.

### **2.4 – TASK 4: ENVIRONMENTAL SERVICES**

Jennings will prepare a legally defensible environmental compliance document to address any potential environmental impacts that may occur as a result of project construction. The IS will be drafted using the most current Checklist form from the CEQA Guidelines, Section 15063. The analysis for each resource will include a description of the environmental setting and will corroborate impact conclusions with factual data from the appropriate report.

### **2.5 – TASK 4.1: AIR QUALITY, GREENHOUSE GAS, AND ENERGY ANALYSIS, AND NOISE ANALYSIS**

Jennings has retained MD Acoustics to prepare the following technical documents.

#### Air Quality, Greenhouse Gas, and Energy Analysis

This report will consist of the following scope of work:

1. Identify the existing air quality setting in the area and international, federal, state, SCAQMD's, and local rules and regulations, including the State greenhouse gas (GHG) regulations Assembly Bills (AB) 32 and 1493, Senate Bills (SB) 32, 97, 107, 375, 527, 1368, and 1771, and Executive Orders S-3-05 and S-14-08.

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2. Obtain existing air quality data from air quality monitoring stations within the study area utilizing California Air Resources Board (CARB) data sources. Data will be obtained for air pollutants, including ozone, carbon monoxide (CO), nitrogen dioxide (NO<sub>2</sub>), PM<sub>10</sub>, and PM<sub>2.5</sub>.
3. Identify greenhouse gases (GHGs) and their associated impacts to global climate change.
4. Identify thresholds of significance for the criteria pollutants and GHGs.
5. Evaluate and quantify regional criteria pollutant and GHG emissions associated with construction and operational activities for the proposed project utilizing the CalEEMod Model. If significant emission levels developed and quantified.
6. Evaluate local NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub> construction and operational emissions at the nearest sensitive receptors to the project. The emissions will be compared against the SCAQMD Look-Up Tables and will follow the methodology described in Localized Significance Threshold Methodology, prepared by SCAQMD, July 2008.
7. Provide a qualitative odor analysis from the construction and operation of the proposed project.
8. Evaluate the operational GHG emissions using the latest CalEEMod. Establishment of thresholds at the State and/or local level has been a point of discussion and analysis by various agencies and boards (i.e., OPR, CARB, CAPCOA [California Air Pollution Control Officers Association]). The project's emissions will be compared to significance thresholds established in the City's Climate Action Plan (CAP) or equivalent.
9. Evaluate the construction-related and operational related energy uses.

Deliverable: Prepare a Caltrans level AQ/GHG/Energy report following their template. The report will summarize the results of the previous work tasks.

Noise Analysis

This report will consist of the following scope of work:

1. Review the site plan and topography project from an acoustical standpoint.
2. Determine the existing noise environment at the project site. MD will perform up to two (2) 48-hour noise level measurements to document the existing noise levels. MD will utilize Type 2 (or better) sound level meters for the baseline study.
3. Calculate the traffic noise level impact from the proposed expansion to the adjacent sensitive uses. Compare the traffic noise level impact in light of the City's General Plan Noise Element and Noise Compatibility Matrix. Provide noise abatement options if needed.
4. Calculate the construction noise impact and compare to the City's noise standards.

Deliverable: Prepare and submit a Caltrans level report following their template.

**2.6 – TASK 4.2: PALEONTOLOGICAL AND CULTURAL STUDIES**

Jennigs will rely on the expertise of CRM Tech to complete the Paleo and Cultural reports. To comply with Section 106 and Caltrans guidelines on the identification of historical and

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archaeological resources for the undertaking, CRM TECH proposes to accomplish the following tasks:

1. Contact the City and the local Caltrans office to discuss any concerns, to review any records or documents that they may have regarding the property, and to ensure that we have the proper Area of Potential Effects (APE).
2. \*\*\*Request the required historical/archaeological resources records search of the subject property and immediate vicinity from the Eastern Information Center; this will provide us with information regarding the prehistoric and historic resources of the area (in terms of both density and types of resources) which will help us develop a preliminary assessment of the cultural sensitivity of the APE.
3. Pursue general prehistorical and historical background research using ethnographic, archaeological, and historical literature as well as early maps to develop the prehistorical and historical context of the area and for information about previous land uses and development trends within and near the APE.
4. Request a sacred lands file search from the Native American Heritage Commission and contact all of the Native American representatives on the list supplied by the Commission to see if they have any knowledge of Native American resources in and around the project area or have any concerns regarding the project; follow-up phone calls will be made to groups that do not reply in a reasonable time; this will be done according to Caltrans requirements.
5. As required by Caltrans guidelines, consult with local government officials regarding APE and potential historic importance.
6. Conduct site-specific historical studies, including archival research, interviews, and consultations with local historical societies, historic preservation groups, and/or other representatives of the local community concerning the APE, as necessary, to determine past land uses and owners and to explore historical associations or important historical events, as required by Caltrans.
7. Conduct an intensive-level field survey of the APE following standard professional archaeological procedures, which would include, among other standard procedures, systematically inspecting the APE, taking detailed notes, and recording the current condition by taking overview photographs.
8. Document the current condition of the previously recorded site, Site 33-015720, Oak Valley Parkway/San Timoteo Canyon Road, as required by the California State Office of Historic Preservation.
9. Prepare a site record update form and a site record and submit them (DPR 523) on any cultural resource that merits formal recordation under guidelines set forth by the California State Office of Historic Preservation.
10. Prepare a *De Minimis* statement per Section 4F guidelines for Oak Valley Parkway/San Timoteo Canyon Road, as appropriate.
11. Prepare a draft Historic Property Survey Report, an Archaeological Survey Report, and a Historic Resources Evaluation Report according to standard Caltrans format to document the findings of the procedures outlined above, identify known and potential historic properties within or adjacent to the APE, evaluate their integrity and historical significance under criteria for the National Register of Historic Places (to the extent

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possible), incorporate comments and recommendations from the Tribe(s) (if any), and recommend subsequent courses of actions regarding cultural resources, as necessary.

12. Review any comments, plan, and organize responses to them, and prepare another draft version of the reports for submission to Caltrans.
13. Review comments from the same and/or different Caltrans personnel and plan and organize responses to comments.

Deliverable: Prepare and submit a Caltrans level report following their template.

### 2.7 – TASK 4.3: TRIP GENERATION AND VEHICLE MILE TRAVELED ANALYSIS

Jennings will rely on the expertise of TJW Engineering, Inc. for the completion of the Traffic studies. The scope of the traffic studies includes:

- 1) Review the proposed project documents and files provided by the City and begin to coordinate traffic engineering tasks for the proposed project. TJW will participate in project meetings to discuss the following below. TJW will also participate in coordination meeting with other agencies as necessary.
  - a) Project background, goals, approach
  - b) Project scope and
  - c) Project schedule
- 2) TJW will conduct field review of the existing conditions at the project site. TJW will also review additional records and documents including the previously submitted PSR for Phase I of the project. Following initial field survey, TJW will participate in a meeting with Jennings to discuss standards, expectations, approach, and findings with the City of Beaumont.
- 3) TJW will prepare the Traffic and Circulation & Forecast Report that analyzes and compares Existing, Near-term and Build-out Year analysis of the project. As part of the analysis, TJW will obtain 24-hour ADT and peak hour traffic data to analyze capacity and level of service along the project corridor. Additional and/or specific traffic data, such as FHWA classification counts, can be obtained following initial discussions with Jennings and City of Beaumont, as necessary. It is understood that a preferred alternative has already been determined, however, should additional analysis of alternatives be required, they can be accommodated for an additional cost.
- 4) TJW will submit the Traffic and Circulation Report to Jennings for their submittal to the City of Beaumont. It is assumed that Jennings will process TJW's plans in and out of the City of Beaumont.
- 5) TJW will respond to comments by the City and would revise the report as necessary.
- 6) Additional tasks may include attendance at PDT meetings, public hearing meetings, Public Works and City Council meetings to provide technical advice and response to traffic engineering related questions to project design and analysis.

Deliverable: Prepare and submit a Caltrans level report following their template.

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**2.8 – TASK 4.4: PHASE 1 ENVIRONMENTAL SITE ASSESSMENT**

Jennigs will rely on the expertise of Roux Associates, Inc. to complete the Phase 1 ESA. Roux will perform a Phase I ESA using ASTM International Standard Practice E1527-21 (referred to hereinafter as “ASTM E1527-21”) based on Roux’s understanding that User desires to complete “all appropriate inquiries into the previous ownership and uses of the Property” in order to qualify for liability protection under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Use of ASTM E1527-21 is consistent with the U.S. Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Rule (40 CFR Part 312, Amendment to Standards and Practices for All Appropriate Inquiries Under CERCLA; Final Rule), as amended effective February 13, 2023.

In accordance with ASTM E1527-21, the goal of the Phase I ESA is to identify any “recognized environmental conditions” that may exist at the Subject Property. Recognized environmental conditions are defined by ASTM E1527-21 as:

(1) the presence of hazardous substances or petroleum products, in, on, or at the subject property due a release to the environment; (2)the likely presence of hazardous substances or petroleum products in, or at the subject property due to a release of likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A *de minimis* condition is not a recognized environmental condition.

The Phase I ESA will also identify “historical recognized environmental conditions”, and/or “controlled recognized environmental conditions” that may exist at the Subject Property in accordance with the definitions contained within ASTM E1527-21.

Recognized environmental conditions, historical recognized environmental conditions, controlled environmental conditions are collectively referred to as RECs/HRECs/CRECs. In order to identify RECs/HRECs/CRECs that may exist at the Property in accordance with ASTM E1527-21, the Phase I ESA conducted by Roux’s Environmental Professional<sup>4</sup> will include the following four elements:

- Records review;
- Visual Inspection of Subject Property and adjoining property;
- Interviews; and
- Preparation of a Phase I ESA Report.

In addition, Roux will evaluate any information provided by the User pursuant to the User’s responsibilities under ASTM E1527-21 (see section of Proposal titled “USER’S RESPONSIBILITIES UNDER ASTM E1527-21. Upon completion of the records review, site reconnaissance, and interviews, and after consideration of the information obtained thereby (as well as any information provided by User pursuant to User’s responsibilities as the User of the Phase I ESA

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under ASTM E1527-21), Roux will prepare a Phase I ESA Report documenting the scope, findings (e.g., known and suspect RECs/HRECs/CRECs), limitations, and opinions developed through completion of the Phase I ESA.

Deliverable: Prepare and submit a Caltrans level report following their template.

### 2.9 – TASK 4.5: BIOLOGICAL ASSESSMENT

1. **Natural Environment Study Minimal Impacts (NESMI).** A NESMI is a shortened version of a Natural Environment Study (NES). This type of report is for projects that have limited scope and impacts to natural resources, are minor projects, and not ordinarily involving listed species. Jennings believes that this project will meet the threshold for a NESMI.
2. **Literature/Database Review.** Jennings will review state and federal databases of sensitive species known to occur in the area. Based on Jennings' initial database review, the site does not appear to be in critical habitat for any species.
3. **Field Review.** A Jennings biologist will conduct a pedestrian survey of the project area, including a standard 200-foot buffer area, and review the site for both common and sensitive wildlife. The field review will be conducted to ensure 100 percent coverage of the site. The site will also be assessed for the presence of any federally/state listed or sensitive species.
4. **Jurisdictional Delineation (JD).** Jennings will also determine if there will be any drainages impacted. If so, our JD will provide the technical information necessary to support CEQA/NEPA and the regulatory permit applications for project-related impacts to "waters of the United States" and "waters of the State". Our Regulatory Specialists will survey each drainage feature to: 1) photo document the up and downstream conditions at any crossing and record the habitats, sensitive resources, and jurisdictional boundaries with GPS. This fieldwork will provide the data necessary to visually depict any limits of "waters of the United States" and "waters of the State" relative to fill limits of each drainage crossing. Once the site visits are conducted and the project site baseline information is obtained, our jurisdictional delineation report will be prepared discussing on-site jurisdictional areas. Findings will document existing conditions and jurisdictional resources and regulatory approvals that may be required for impacts to these resources.
5. **MSHCP Compliance.** Because the Project site is located within the Western Riverside Multi-Species Habitat Conservation Plan, Jennings will perform the necessary surveys and provide a Consistency Analysis. The site is located within a criterial cell (Cell 940) and a survey area for burrowing owl.

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### Burrowing Owl Focused Surveys

1. The project site is located in a survey area for the special status species burrowing owl (BUOW). The MSHCP requires that a habitat assessment for BUOW be conducted whenever you are performing a consistency analysis. The habitat assessment will be conducted under the consistency review in Task 1. If the habitat is determined to be suitable for BUOW, then focused breeding season surveys are required. This entails four (4) site visits during the breeding season (March 1 – August 31), to determine if BUOW uses the site. The habitat assessment counts as the first site visit, so this would cover the additional three (3) site visits and reporting requirements.

### HANS Processing and Coordination with the County

1. For consistency with the MSHCP, we will also prepare a Habitat Acquisition and Negotiation Study (HANS). The County will likely require a HANS be prepared and a HANS application be submitted to determine whether this property should be acquired by them. We will prepare an Application for the property owner's use and submittal to the County. Subsequent to submittal of the Application, the property owner would begin negotiations with the County should there be disagreement with the County's determination regarding acquisition.

Deliverable: Prepare and submit a Caltrans level report following their template.

### 2.10– TASK 4.6: INITIAL STUDY PROJECT DESCRIPTION

Jennings will be prepared to conduct a conference call with representatives from the City discuss the project description, specific project issues, upcoming construction schedules and CEQA schedule. Following the review of existing data, any gaps in the data and recommendations for correcting the gaps would be discussed with the City. Jennings will work closely with the City to determine what additional data must be collected in support of the CEQA document being prepared.

Jennings will develop a comprehensive description for the project that will form the basis for the analysis of the potential impacts on the environment, based on the information provided by the City. The project description will include a narrative and graphical presentation of the project, including components, location and boundaries, regional and vicinity maps, and a statement of the Project goals and objectives. Jennings assistance with the Project Description provides the “environmental voice” of the Project Description, in which descriptions of components may be added or expanded upon to ensure any potential impact can be determined, and dealt with, early in the planning process.

## RFP FOR PROFESSIONAL ENVIRONMENTAL SERVICES FOR OAK VALLEY PARKWAY EXPANSION PHASE II

### 2.11– TASK 4.7: ADMINISTRATIVE DRAFT INITIAL STUDY

Jennings will prepare an IS Checklist to confirm the preparation of an appropriate CEQA Documentation for the Project. The IS will be prepared using the most recent revision of the IS Environmental Checklist Form suggested in the CEQA Guidelines Appendix G. In compliance with CEQA Section 15063, the IS will contain the following, in brief form:

- A description of the Project, including the location of the project;
- An identification of the environmental setting;
- A preliminary identification of environmental effects by use of a checklist, matrix, or other method, with some evidence to support the entries; and
- A preliminary discussion of the ways to mitigate the significant effects identified; if any.

The environmental factors outlined in the CEQA checklist include:

- Aesthetics
- Agricultural and Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mandatory Findings of Significance
- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

### 2.12– TASK 4.8: NEGATIVE DECLARATION/MITIGATED NEGATIVE DECLARATION

Based on coordination with the City and results of the analysis within the IS including the technical studies, Jennings will prepare a ND or MND CEQA Documentation for the City. The process for preparing a ND is the same as an MND with the exception that a Mitigation Monitoring and Reporting Plan is not required under an ND. Therefore, only the MND process is described below.

If one or more significant impacts are identified during the IS process, including the results from the Air Quality/Greenhouse Gas Technical Memo, General Biological Resources Assessment Report and Preliminary Jurisdictional Delineation Report, Cultural Resources Assessment (CRA), Paleontological Survey Report and Hazardous Waste Sites and Soil Contamination Records



## **RFP FOR PROFESSIONAL ENVIRONMENTAL SERVICES FOR OAK VALLEY PARKWAY EXPANSION PHASE II**

Search, CEQA allows the preparation of an MND when those impacts can be mitigated to a less than significant level. The following is a list of the required contents of an MND:

- a brief description of the Project;
- the location of the Project (preferably shown on a map);
- the name of the Project proponent;
- a finding that the Project will not have a significant effect on the environment;
- mitigation measures included in the Project to avoid potentially significant effects; and
- a copy of the IS.

After receipt of up to two sets of integrated comments on the Draft IS/MND from the City, Jennings will then revise the MND accordingly. Jennings will prepare and distribute copies of the Draft IS/MND to the City, State Clearinghouse, and affected public agencies.

Jennings will prepare and file a Notice of Completion (NOC) and a Notice of Intent (NOI) to adopt an IS/MND with the State Clearinghouse and the County Clerk respectively. Jennings will provide copies of the IS/MND and NOI for the City to post at the local library, at the County Clerk and in one local newspaper in addition to mailing CD copies to affected public agencies. Jennings is also available to distribute to the mailing list provided by the City, should that be required.

### **2.13– TASK 4.9: FINAL INITIAL STUDY ND/MND AND RESPONSE TO COMMENTS**

Based upon comments received from public review, responses to the comments will be prepared. Jennings expects to receive no more than 10 comment letters totaling up to 60 individual comments that will require a response on this Project. A draft of these responses will be provided to the City. Upon receipt of two complete set of comments from the City on the responses, a Final IS/MND will be prepared. This document combined with the Draft IS/MND will constitute the Final IS/MND to be used by the City when considering approval of the Project.

### **2.14– TASK 5: JURISDICTIONAL COORDINATION**

Jennings will coordinate with the City and other regulatory agencies including Caltrans, Riverside County Flood Control and Water Conservation District (RCFCD & WCD), and other regulatory agencies. Jennings Principal was previously an Associate Planner at RCFCD & WCD, so he has a unique ability to understand the inner workings of this agency. This previous experience also translates into the ability to coordinate with other governmental agencies. Having worked with the other agencies for different projects while working for RCFCD & WCD.

Additionally, Jennings will also prepare a jurisdictional delineation and permit packages for the Army Corps of Engineers, Regional Water Quality Control Board and California Department of Fish and Wildlife.

**RFP FOR PROFESSIONAL ENVIRONMENTAL SERVICES FOR OAK VALLEY PARKWAY EXPANSION  
PHASE II**

Jurisdictional Delineation and Permitting

Jennings will also determine if there will be any drainages impacted. If so, our JD will provide the technical information necessary to support CEQA/NEPA and the regulatory permit applications for project-related impacts to “waters of the United States” and “waters of the State”. Our Regulatory Specialists will survey each drainage feature to: 1) photo document the up and downstream conditions at any crossing and record the habitats, sensitive resources and jurisdictional boundaries with GPS. This field work will provide the data necessary to visually depict any limits of “waters of the United States” and “waters of the State” relative to fill limits of each drainage crossing. Once the site visits are conducted and the project site baseline information is obtained, our jurisdictional delineation report will be prepared discussing on-site jurisdictional areas. Findings will document existing conditions and jurisdictional resources and regulatory approvals that may be required for impacts to these resources.

The Santa Ana River Regional Water Quality Board has authority over the discharge of dredged or fill material in Waters of the State under California Code of Regulations and the Porter-Cologne Water Quality Control Act. It is anticipated that the drainage on-site is subject to these regulations and will therefore require a WDR Permit.

This project will likely fall within the jurisdiction of the California Department of Fish and Wildlife (CDFW) and will require a California Fish and Game Code Section 1600 Streambed Alteration Agreement. We will prepare a Lake and Streambed Alteration Agreement Application (SAA) to be processed through the CDFW.

Deliverable: Jennings will prepare the Jurisdictional Delinataion and Applications for submittal to the regulatory agencies.

**3.0 – ANTICIPATED WORK SCHEDULE**

CEQA

Draft Project Description	Week 1
County Review Draft Project Description	Week 2
Jennings Prepares Administrative Draft IS/MND	Weeks 3-7
County Reviews Administrative Draft IS/MND	Week 8-9
Jennings Revises Administrative Draft IS/MND	Weeks 10-11
County Reviews Revised Administrative Draft IS/MND	Week 12
Jennings Prepares, Prints, Distributes Draft IS/MND	Week 13
30-day Public Review	Weeks 14-17
Jennings Prepares Final IS/MND with responses to comments	Weeks 18-19
County Reviews Final Is/MND	Week 20
Jennings Prepares, Prints, Distributes Final IS/MND	Week 21
Public Hearings	TBD

**RFP FOR PROFESSIONAL ENVIRONMENTAL SERVICES FOR OAK VALLEY PARKWAY EXPANSION  
PHASE II**

This Schedule is dependent upon the receipt of the above mentioned “Other Technical Studies”. Any delays in receiving those reports will shift this proposed schedule.

**4.0 – EXPERIENCE AND PAST PERFORMANCE**

Jennings has demonstrated competence in the preparation of environmental analysis and documentation. We have experience with, and expertise in, a variety of project types including preparing environmental documents in support of CEQA activities, wildlife habitat assessments, preparing technical Environmental Studies, mitigation site analysis, and surveys for sensitive and endangered species.

Our mission is to provide our clients with high-quality consulting services so that they can make informed natural resource management decisions. Our services include but are not limited to:

- California Environmental Quality Act compliance (CEQA)
- National Environmental Policy Act compliance (NEPA)
- California Endangered Species Act Compliance
- Federal Endangered Species Act Compliance
- Preparation of permit documents for federal Clean Water Act compliance
- Preparation of permit documents for State Streambed Alteration Agreements
- Preparation and implementation of mitigation monitoring plans
- Preparation of analyses of technical environmental reports, legislation, and regulations

Examples of Jennings outstanding track record with complex projects includes can be found in the Attached Statement of Qualifications in Attachment 1.

**5.0 – REFERENCES**

Below is a table with references for past CEQA/NEPA projects that Jennings has completed.

<u>Client</u>	<u>Contact Information</u>	<u>Service Provided</u>
<b>City of Rialto</b>	Kathy Brann Economic Development Manager 150 S. Palm Ave, Rialto, CA 92376 909-820-2505 x 2041 or kbrann@rialtoca.gov	NEPA Environmental Assessment
<b>San Bernardino County</b>	Nancy Sansonetti, Supervising Planner Public Works, Environmental Management Division	CEQA IS and Biological Assessment

**RFP FOR PROFESSIONAL ENVIRONMENTAL SERVICES FOR OAK VALLEY PARKWAY EXPANSION  
PHASE II**

	825 E. Third Street, Rm. 123, San Bernardino, CA 92415 909-387-8109 or Nancy.Sansonetti@dpw.sbcounty.gov	
<b>City of Menifee</b>	Chris Gehrki Management Analyst/Public Works Department 27860 Bradley Road   Menifee, CA 92586 (951) 723-3721 or cgehrki@cityofmenifee.us	Biological Assessment and Permitting
<b>Riverside County Flood Control and Water Conservation District</b>	Kevin Kunningham Environmental Project Manager 1995 Market Street, Riverside, CA 92501 951-955-1526 or kcunning@rivco.org	CEQA IS, EIR Addendum, and Regulatory Permitting

**6.0 – COST**

Our not-to-exceed cost to complete the tasks described herein is detailed on the spreadsheet in a separate sealed envelope, as requested. Tasks presented on the spreadsheet should all be considered optional and could be individually authorized. Therefore, this is a not-to-exceed estimate and would be billed monthly as costs are incurred.

Jennings appreciates the opportunity to work with you on this project. If you have any questions or need any clarifications, feel free to contact me at (909) 534-4547 or [gene@jennings-environmental.com](mailto:gene@jennings-environmental.com). Again, thank you for asking us to assist you with this project.

**Attachments:**

Attachment 1 – Statement of Qualifications/Resumes

**ATTACHMENT 1 – STATEMENT OF QUALIFICATIONS AND  
RESUMES**

# Statement of Qualifications

## for Environmental Consulting Services



**Jennings Environmental, LLC**







## About Us

We understand your project is very important to you. We also understand that preserving species and habitat is important to the resource agencies. We will work with you and the resource agencies to find a solution that works for both parties.

A good relationship with State and Federal resource agencies is key to having a successful project. We will use our years of experience to assist clients from project conception to construction. Additionally, we have a proven track record with all aspects of both small and large projects for both public and private clients.

Jennings Environmental's professionals are experts in biology, ecology, regulatory permitting, and planning, with specialties in California's various deserts, forests, and riparian habitats. We thoroughly understand the regulatory issues associated with impacts and management of sensitive biological resources.

### **Jennings Environmental, LLC**

35414 Acacia Ave

Yucaipa, CA

(909) 534-4547

[www.jennings-environmental.com](http://www.jennings-environmental.com)

e-mail: [gene@jenningsenvironmental.com](mailto:gene@jenningsenvironmental.com)

# Our Services



## Planning

- California Environmental Quality Act (CEQA) Review and Compliance
- National Environmental Policy Act (NEPA) Review and Compliance
- MSHCP Compliance
- Pre-Project Agency Consultation
- Project Development
- Public Outreach
- Technical Studies and Reporting

## Wetlands/Waters Permitting

- Waters of the US Delineation
- Waters of the State Delineation
- Streambed Alteration Permitting
- Corps of Engineers Permitting
- Wetlands Management

## Avian Surveys and Management

- Migratory Bird Treaty Act (MBTA) Compliance
- Nesting Bird Surveys
- Nest Management/Relocation
- Sensitive Bird Habitat Surveys

## Biological Resource Management/Permitting

- State and Federally Listed Sensitive Species Presence/Absence Surveys and Permitting
- Sensitive Habitat Evaluation
- Sensitive Species Relocation

## Construction Monitoring

- Worker Environmental Awareness Training
- Permit Compliance Monitoring During Construction
- FEMA / OES Compliance Monitoring and Reporting





# Our Professionals



## Gene Jennings, Principal/Regulatory Specialist

Mr. Jennings obtained his BS in Biology from Cal State San Bernardino and his MBA from University of Phoenix. With over eight years of experience in natural resource management, special status species survey, regulatory permitting, compliance documentation, and construction monitoring, he has excellent knowledge of State and federal natural resources laws and compliance documentation. He has proven experience and long-term relationships with key staff at involved public agencies which he regularly interfaces with, including the BLM, USFS, FHWA, Corps, USFWS, CDFW, SWB, RWQCB. In addition, Mr. Jennings is an experienced planning and environmental professional, working extensively in the public sector for a local government in California and in the private sector. He is well versed in planning, land use, and environmental compliance in California.

Prior to forming Jennings Environmental, LLC in 2020, he had served as water quality manager for the Arrowhead Lake Association (2007-2016), a Lead Biologist at a leading environmental consulting firm (Jericho Systems, Inc 2016-2018) in San Bernardino County and an Environmental Planner for the Riverside County Flood Control and Water Conservation District (2018-2021).

### Professional Contacts

### Phone

Nancy Sansonetti, San Bernardino County Public Works	909-387-8109
Israel Gomez Rosales, City of Big Bear Lake	909-866-5831
Cheryl Tubbs, Lilburn Corporation, Inc.	909-890-1818
Karen Kirtland, Natural Resources Assessment, Inc.	951-686-4483
Brian Gengler, City of Victorville	760-955-5200
Tyler Fife, City of Menifee, Public Works	951-672-6777
Tom Dodson, Tom Dodson and Associates	909-882-3612

## **Samples of Our Projects**





## **Jackson & Willow Infill Multi-Family Affordable Housing (PROJECT) NEPA Environmental Assessment (EA) and Finding of No Significant Impacts (FONSI)**

City of Rialto  
September 2020 – February 2021

### **Summary**

The City of Rialto desired to build multi-family affordable housing using funds from the Department of Housing and Urban Development (HUD). This project was to develop a 2-acre parcel with a maximum of 12-units designated for low-income individuals.

Because the project would use HUD funding, a federal agency, the City was required to complete the necessary steps under the National Environmental Policy Act (NEPA). We completed an Environmental Assessment (EA) for the project. After analyzing all potential environmental effects, we determined that there were no significant impacts and that an Environmental Impacts Statement (EIS) would not be required. We then completed the Findings of No Significant Impacts (FONSI) and the notice of intent to request release of funds (RROF).

This document was then circulated to all relevant agencies and interested parties. Once comments were received, we incorporated those into the EA and the City adopted the EA and approved the project.

#### **Client Contact:**

Karen Peterson  
City of Rialto  
150 S. Palm Ave.  
Rialto, CA 92376  
(909) 421-7240  
[kpeterson@rialtoca.gov](mailto:kpeterson@rialtoca.gov)

#### **Contract Status:**

Prime Consultant

#### **Contract Cost:**

\$10,100

#### **Key Tasks:**

NEPA Environmental  
Assessment (EA) and  
Finding of No Significant  
Impacts (FONSI)

#### **Key Staff:**

Gene Jennings



**SOMEWHERE INVESTMENTS AND MANAGEMENT, LLC**  
**Initial Study/Mitigated Negative Declaration**  
**Parcel Sub-Division and Development**

November 2021 to Present

**Summary**

Somewhere Investments and Management, LLC was contracted to complete an Initial Study and Mitigated Negative Declaration for their proposed lot sub-division and future development. The lots were designed to contain single family homes in Joshua Tree, CA.

We performed the following key tasks that contributed to this massive project's success: created a biological resources inventory of all potential biological impacts and worked with the developer and the engineer to avoid all impacts of special status species. We then prepared a thorough analysis of the entire project within the CEQA Guidelines by preparing an Initial Study/Mitigated Negative Declaration (IS/MND). The document is almost ready for public review, once the cultural assessment is completed.

**Client Contact:**

Juliet Zhang  
julietzhang66@gmail.com

**Contract Status:**

Prime Consultant

**Key Tasks:**

CEQA IS/MND Preparation

**Key Staff**

Gene Jennings, Principal and  
Regulatory Specialist



## BURROWING OWL PROTOCOL SURVEYS AND JURISDICTIONAL DELINEATION

Natural Resources Assessment, Inc  
June 2020

### Summary

Jennings Environmental, LLC was hired to perform a burrowing owl protocol survey in accordance with the Riverside County Multi-Species Habitat Conservation Plan (MSHCP). We were also asked to conduct a Jurisdictional Delineation to find out if the parcel contained any drainage features that could be subject to Regulatory Approvals.

Our work consisted of walking the site in transects to provide 100% visual coverage on the parcel. We also marked the outlets of storm drains using GPS. Once the surveys were complete, it was determined that there were no BUOW present on site and that the site did not contain any drainage features that would have been subject to Regulatory Approvals.

#### Client Contact:

Karen Kirtland  
Natural Resources  
Assessment, Inc.  
3415 Valencia Hill Dr.  
Riverside, CA 92507  
k.kirtland@naturalresourcesass  
essment.com  
951-686-4483

#### Contract Status:

Prime

#### Key Tasks:

BUOW Survey and Jurisdictional  
Delineation Report

#### Key Staff

Gene Jennings



**Client Contact:**  
Cheryl Tubbs  
VP, Lilburn Corporation  
1905 Business Center Drive  
San Bernardino, CA 92408  
909-890-1818  
cheryl@lilburncorp.com

**Contract Status:**  
Sub consultant

**Key Tasks:**  
Biological Resources  
Assessment  
Jurisdiction Delineation

**Key Staff:**  
Gene Jennings

## **CANYON RANCH DEVELOPMENT**

### **Biological Assessment and Jurisdictional Delineation**

Lilburn Corporation  
August 2021

#### **Summary**

The proposed Project includes subdividing parcels 0293-111-18, 19, 21 and 0293-101-08, 11, and 13, a total of 55.72 acres, into 89 single family lots with a minimum size of 20,000 sq. ft. The project also include subdividing parcels 0293-081-09, 11, 12, 19, a total of 10.96 acres, into 37 single family lots with minimum size of 7,200 sq. ft. The Project also includes the construction of roadways and necessary infrastructure (sewer, water, etc.) to develop each new lot.

We prepared a detailed biological assessment that covered all the species present on-site. We also covered the storm drain outlets into San Timoteo Channel, which will result in the need to apply for permits as that channel is regulated by CDFW, RWQCB, and the US Army Corps of Engineers.



## **PALOMA WASH**

### **Nesting Bird Survey and Construction Monitoring**

City of Menifee Public Works

October 2021

#### **Summary**

The City of Menifee was conducting channel maintenance in the Paloma Wash. The maintenance consisted of mowing the vegetation and trash removal. The site was surveyed before maintenance began and it was determined that there were 3 burrowing owls onsite. Appropriate buffers were put in place and the maintenance was allowed to continue.

We monitored all maintenance activities and ensured the BUOWs were not harmed during the process. We submitted daily monitoring reports to the City for their review and records.

#### **Client Contact:**

Allen Yun

City of Menifee, Public Works

ayun@cityofmenifee.us

951-672-6777

#### **Contract Status:**

Prime Consultant

#### **Key Tasks:**

Nesting Bird and BUOW  
Survey

#### **Key Staff:**

Gene Jennings



**Client Contact:**

Julie Gilbert

Compass Consulting Enterprises,  
Inc.

julie@compass-consultinginc.com  
909-496-5960

**Contract Status:**

Sub-contractor

**Key Tasks:**

Construction Monitoring  
Nesting Bird Surveys  
Permit Compliance

**Key Staff:**

Gene Jennings

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**Mojave Water Agency**

**Oeste Well Recharge Monitoring and Permit Compliance**

Mojave Water Agency, Phelan, CA

November 2021 – January 2022

**Summary**

The Project was drilling test wells within a portion of a parcel adjacent to the California Aqua Duct. The goal was to determine if the soils within the parcel are suitable for groundwater recharge.

This project consisted of long-term monitoring for Burrowing Owl. Additionally, we also prepared a Workers Environmental Awareness Plan (WEAP) and monitored the Joshua Trees on-site.

To maintain compliance with all regulatory and federal agencies, a complete monitoring record with detailed daily field reports, were submitted after each monitoring event. These included current site conditions with supporting photos.



# Resumes of Key Employees





## GENE JENNINGS

Principal / Regulatory Specialist

### SUMMARY

Mr. Jennings has over 10 years of experience in environmental planning, natural resource management, impact analysis, special status species survey, project risk analysis, and construction monitoring. He has prepared biological assessments, reports and restoration plans in compliance with the Clean Water Act, Fish and Game Codes, Migratory Bird Treaty Act, federal and state Endangered Species Acts, Caltrans, Federal Highway Administration, California Coastal Commission, and California Environmental Quality Act (CEQA).

Prior to forming Jennings Environmental, LLC, in 2020, he had been an Environmental Planner for the Riverside County Flood Control and Water Conservation District, a Lead Biologist at a leading environmental consulting firm in San Bernardino County, and a Biologist and for a private lake in the San Bernardino Mountains.

Throughout his experience he has prepared various levels of documents in compliance with CEQA and NEPA, regulatory permit applications for regular projects and long-term agreements, biological surveys, jurisdictional delineations, habitat suitability evaluations for endangered species, biological resources damage assessments, impact analyses, mitigation plans, implementation plans and conducted protocol-level surveys for special status species.

### KEY EXPERIENCE

Mr. Jennings provides attentive and conscientious assessments, protection plans and mitigation plans for sensitive biological resources including jurisdictional waters, nesting birds, and botanical resources.

**Jackson-Willow Infill Development, City of Rialto (2021).** The City of Rialto desired to build multi-family affordable housing using funds from the Department of Housing and Urban Development (HUD). This project was to develop a 2-acre parcel with a maximum of 12-units designated for low-income individuals. Because the project would use HUD funding, a federal agency, the City was required to complete the necessary steps under the National Environmental Policy Act (NEPA). We completed an Environmental Assessment (EA) for the project. After analyzing all potential environmental effects, we determined that there were no significant impacts and that an Environmental Impacts Statement (EIS) would not be required. We then completed the Findings of No Significant Impacts (FONSI) and the notice of intent to request release of funds (RROF).

**Cucamonga Valley Water District, CP20006 Sewer Main (2021).** The Cucamonga Valley Water District was starting construction on the CP20006 Sewer Main Project. As part of the approval of the Project, the District needed to conduct a Pre-Construction Nesting Bird Survey to ensure that there are no impacts to nesting birds within the project site or the 200-foot buffer.

### Expertise

#### CEQA/NEPA

Documentation

Waters of the US permitting and compliance

Lake and streambed waters of the State permitting and compliance

Emergency Permitting

Water Quality Sampling

California desert and riparian ecosystems

### Education

MBA, University of Phoenix, Feb 2016

B.S. Biology, Cal State Univ. San Bernardino, 2012

### Training

CEQA Advanced Training – AEP

NEPA Advanced Training – AEP

GIS Training

BNSF Railway Approved Contractor

BNSF E-Railsafe Training

Metrolink Safety Training

CA Native Plant Society Plant Identification Class

CA Native Plant Society Grass Identification

**San Bernardino County Needles Phase 1B Monitoring (2022).** This for the replacement of a section of Needles Hwy. Monitoring activities included surveys for Desert tortoise, burrowing owl, desert kit fox, and Arizona Bell's vireo.

**Burrowing Owl (BUOW) Survey Experience.** Mr. Jennings has been the lead biologist on several protocol level BUOW surveys conducted within Riverside and San Bernardino County. Projects include:

- CDFW BUOW Protocol:
  - Old Dominion BUOW Habitat Assessment, Fontana, CA (April 2021)
  - Inland Valley Development Agency Specific Plan Amendment, Biological Resources Assessment, Protocol BUOW Surveys and Jurisdictional Delineation.
  - San Bernardino County Flood Control Warm Creek Basin, BUOW Protocol Survey.
  - Victor Valley Wastewater Reclamation Authority South Apple Valley Interceptor Project – Protocol BUOW Survey.

**Nesting Birds Survey Experience.** Mr. Jennings has conducted multiple nesting bird surveys within San Bernardino County. Projects include:

- City of Menifee, Paloma Wash Clean Out (2021)
- Beyond Mart Developments, Multiple Locations (2020 and 2021)
- Cucamonga Valley Water District, CP 20006 Sewer Pre-Con Survey (2021)

**Biological Resource Assessments.** Mr. Jennings has participated in multiple biological resources assessments for various large and small projects. Mr. Jennings independent/lead experience, where his primary responsibilities included, completing necessary surveys and report documentation:

- XEBEC Warehouse, Bloomington, CA (June 2022)
- Cedar and Slover Gas Station, Bloomington, CA (January 2021)
- Montecito Memorial Park Expansion, Loma Linda, CA (October 2020)
- Bubble Hotel Development, Joshua Tree, CA (July 2021)
- San Bernardino Municipal Water District, Vincent Well Emergency (January 2021)
- San Bernardino Special Projects, Big Bear Alpine Zoo (June 2016)

**Jurisdictional Delineations.** Mr. Jennings has conducted multiple jurisdictional delineations within southern California. He is very adept at distinguishing jurisdiction in difficult areas and working with the regulatory agencies to obtain their concurrence. Some of the projects include:

- Santa Ana River Levee Protection (2021)
- Holy Fire, Apple Fire, and El Dorado Fire, Emergency Permit (2018 and 2019)
- Big Bear Lake Long Term Maintenance in Big Bear, CA (2017)
- Big Bear Zoo Relocation Project in Big Bear Lake, CA (2016)
- South Apple Valley Interceptor Project in Apple Valley, CA(2017)
- Alta Mesa Wind Farm in Whitewater, CA (2018)
- Badger, Sweetwater, and Devils Canyon Basin Maintenance for San Bernardino Valley Municipal Water District (2018)



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Principal / Regulatory Specialist

### SUMMARY

Mr. Jennings has over 10 years of experience in environmental planning, natural resource management, impact analysis, special status species survey, project risk analysis, and construction monitoring. He has prepared biological assessments, reports and restoration plans in compliance with the Clean Water Act, Fish and Game Codes, Migratory Bird Treaty Act, federal and state Endangered Species Acts, Caltrans, Federal Highway Administration, California Coastal Commission, and California Environmental Quality Act (CEQA).

Prior to forming Jennings Environmental, LLC, in 2020, he had been an Environmental Planner for the Riverside County Flood Control and Water Conservation District, a Lead Biologist at a leading environmental consulting firm in San Bernardino County, and a Biologist and for a private lake in the San Bernardino Mountains.

Throughout his experience he has prepared various levels of documents in compliance with CEQA and NEPA, regulatory permit applications for regular projects and long-term agreements, biological surveys, jurisdictional delineations, habitat suitability evaluations for endangered species, biological resources damage assessments, impact analyses, mitigation plans, implementation plans and conducted protocol-level surveys for special status species.

### KEY EXPERIENCE

Mr. Jennings provides attentive and conscientious assessments, protection plans and mitigation plans for sensitive biological resources including jurisdictional waters, nesting birds, and botanical resources.

**Barstow Landfill Phase 1C Expansion, San Bernardino County Solid Waste (2023).** Mr. Jennings was the Lead Biologist for the expansion of the Barstow Landfill. There are several different tasks currently underway, including, a Habitat Conservation Plan, Incidental Take Permit, Jurisdictional Waters Mapping, Desert Tortoise Protocol Surveys, Burrowing Owl Protocol Surveys

**San Bernardino County Needles Phase 1B Monitoring (2022).** This for the replacement of a section of Needles Hwy. Monitoring activities included surveys for Desert tortoise, burrowing owl, desert kit fox, and Arizona Bell's vireo.

**Burrowing Owl (BUOW) Survey Experience.** Mr. Jennings has been the lead biologist on several protocol level BUOW surveys conducted within Riverside and San Bernardino County. Projects include:

- CDFW BUOW Protocol:
  - Old Dominion BUOW Habitat Assessment, Fontana, CA (April 2021)

### Expertise

CEQA/NEPA

Documentation

Waters of the US permitting and compliance

Lake and streambed waters of the State permitting and compliance

Emergency Permitting

Water Quality Sampling

California desert and riparian ecosystems

### Education

MBA, University of Phoenix, Feb 2016

B.S. Biology, Cal State Univ. San Bernardino, 2012

### Training

CEQA Advanced Training – AEP

NEPA Advanced Training – AEP

GIS Training

BNSF Railway Approved Contractor

BNSF E-Railsafe Training

Metrolink Safety Training

CA Native Plant Society Plant Identification Class

CA Native Plant Society  
Grass Identification  
Class

Desert Tortoise Training

Business Certifications

Founder and Principal of  
Jennings Environmental,  
LLC, Since 2020

- Inland Valley Development Agency Specific Plan Amendment, Biological Resources Assessment, Protocol BUOW Surveys and Jurisdictional Delineation.
- San Bernardino County Flood Control Warm Creek Basin, BUOW Protocol Survey.
- Victor Valley Wastewater Reclamation Authority South Apple Valley Interceptor Project – Protocol BUOW Survey.

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- Bubble Hotel Development, Joshua Tree, CA (July 2021)
- San Bernardino Municipal Water District, Vincent Well Emergency (January 2021)
- San Bernardino Special Projects, Big Bear Alpine Zoo (June 2016)

**Jurisdictional Delineations.** Mr. Jennings has conducted multiple jurisdictional delineations within southern California. He is very adept at distinguishing jurisdiction in difficult areas and working with the regulatory agencies to obtain their concurrence. Some of the projects include:

- Approved Aquatic Resources Delineation for Southern California Edison (2023)
- Coachella Valley Compost Facility Expansion for Riverside County Public Works (2022)
- Santa Ana River Levee Protection for Riverside County Flood Control (2021)
- Holy Fire, Apple Fire, and El Dorado Fire, Emergency Permit for Riverside County Flood Control (2018 and 2019)
- Alta Mesa Wind Farm in Whitewater, CA (2018)
- Lake Arrowhead Long Term Maintenance Agreement for Arrowhead Lake Association (2018)
- Big Bear Lake Long Term Maintenance in Big Bear, CA for Big Bear Municipal Water District (2017)
- Big Bear Zoo Relocation Project in Big Bear Lake, CA for San Bernardino County Special Districts (2016)
- Badger, Sweetwater, and Devils Canyon Basin Maintenance for San Bernardino Valley Municipal Water District (2018)

# Mike Dickerson Jr., INCE

Principal



Mike Dickerson has a passion for the science of sound and vibration and has worked professionally in acoustical engineering since 2002. He received his Bachelor of Science degree in Physics, emphasizing in acoustics from Brigham Young University in Utah. He is currently a member of the Institute of Noise Control Engineers (INCE). Motivated by professional growth and opportunity, Mr. Dickerson formed his own acoustical engineering firm, MD Acoustics in 2012.

Mr. Dickerson's versatile experience includes leading and assisting in the design and review of many facets of acoustical engineering and air quality projects, including but not limited to: air/noise assessments, ceiling/floor assembly design, architectural design, acoustical product design, vibration analysis and noise mitigation strategies.

Prior to starting his own consulting firm, Mr. Dickerson worked for Sony Entertainment, Parsons, and RK Engineering. He has successfully completed over 4,200 acoustical/air quality assessment reports for various engineering companies, municipalities and other agencies (both public and private). His strategic project planning and cost effective management solutions enabled him to excel in the field of Acoustics and project management.

In 2011, Mr. Dickerson was asked to present a paper at the Acoustical Society of America Seattle, Washington Conference on his research and work on noise and vibration in Cockpit Door Modules. MD continues to work closely with many engineering disciplines and provides quality results.

## Education

Brigham Young University  
B.S., Physics (Acoustics), 2005

## Affiliations & Awards

Institute of Noise  
Control Engineers (INCE)

Acoustical Society  
of America (ASA)

BYU Acoustic Research Group

Association of Environmental  
Planners (AEP)



## Representative Project Experience - continued

### Architectural Acoustics Assessment/Design

- Monterrey Park Residential and Hotel Mixed Use Development, Monterrey Park, CA
- 57 Wheeler Mixed Use Development, Arcadia, CA
- Melrose Triangle Mixed Use Development, West Hollywood, CA
- Britanna at Oyster Point, South San Francisco, CA
- Marina City Club, Marina Del Rey, CA
- Wells Fargo Corporate Office, Chandler, AZ
- Peoria Sports Complex – Seattle Mariners Lobby, Peoria, AZ
- Intel Corporation CH5-216/217, Chandler, AZ
- Revolt Studio, Hollywood, CA
- Mammoth Rock and Bowl, Mammoth Lakes, CA
- Rubios Restaurant, San Diego, CA
- Americana at Brand, Glendale, CA
- 6300 Hollywood Blvd Retail Space, Hollywood, CA
- Calvary Church Renovations, Santa Ana, CA

### Noise and Vibration Assessment

- Central Metal Incorporated Reclamation Plant Expansion, Los Angeles, CA
- Sonora Commons – North Gateway Transfer Station, Phoenix, AZ
- Great Wolf Lodge Development, Garden Grove, CA
- SuperStar Car Wash All Locations - Corporate Account
- City of San Marcos Noise Element Update, San Marcos, CA

### Oil and Gas Noise and Vibration Assessment

- La Goleta Storage Field Enhancement, Santa Barbara County, CA
- Whittier Workman Mill Road Oil Rig Drilling Operation, Los Angeles County, CA
- La Goleta Storage Compressor Vibration, Santa Barbara County, CA
- Mills Station Excavation Noise and Vibration, Ventura, CA

### Highway/Airport/Rail Noise and Vibration

- Caltrans Yucaipa Bridge Box Culvert Improvement, Yucaipa, CA

- Caltrans SR-110 Freeway Expansion, Los Angeles, CA
- Jackson Hole Airport Noise Contours and Flight Path Evaluation, Jackson Hole, WY
- Light Rail Transit Exposition Blvd to Culver Dr, Los Angeles, CA

### Telecommunications

- T-Mobile Telecommunication Tower, Calabasas, CA
- T-Mobile Telecommunication Tower, Malibu, CA
- Verizon Wireless Telecommunication Tower, Santa Clarita, CA

### Construction Noise and Vibration

- La Goleta Storage Field Enhancement (1-yr construction monitoring), Santa Barbara County, CA
- Westin Bonaventura Hotel, Los Angeles, CA
- Railroad Canyon Road Expansion, Riverside, CA

### Industrial Noise and Vibration Assessment

- Intel Corporation – Noise Evaluations
- Hexcel Corporation Dust Collector Noise & Vibration, Casa Grande, AZ
- ABB Inverter Operation Noise and Vibration, Tempe, AZ
- Pacific Scientific Shaker Room, Chandler, AZ

### Air Quality & Greenhouse Gas Assessment

- KPC Mixed Use Development, San Jacinto, CA
- TTM 36627 Residential Development, Hemet, CA
- Smart and Final, Highland, CA
- Bellflower Multi-family Development, Bellflower, CA
- Golden Gate National Park Recreation Area, San Mateo, CA

### Industrial Noise and Vibration Assessment

- Intel Corporation – Noise Evaluations
- Hexcel Corporation Dust Collector Noise & Vibration, Casa Grande, AZ
- ABB Inverter Operation Noise and Vibration, Tempe, AZ
- Pacific Scientific Shaker Room, Chandler, AZ



# Tyler Klassen, EIT

## Air Quality Specialist



Tyler Klassen graduated Magna Cum Laude in Chemical Engineering from Arizona State University in 2019. Since then, he worked one year as an Air Quality Specialist at SWCA Environmental Consultants where he completed air quality analyses in fields including the oil and gas industry and solar and wind power. He also worked one summer for the Maricopa County Air Quality Department as an Air Quality Inspector, performing site visits to ensure air quality permit holders were in compliance with County rules and regulations.

As an Air Quality Specialist with MD Acoustics, Mr. Klassen has written studies analyzing air quality, greenhouse gas, and energy usage for projects including housing developments, fueling stations, and storage facilities, using CalEEMod to model emissions. He has also written health risk assessments analyzing road and gas station impacts utilizing AERMOD and contributed air quality, greenhouse gas, and energy analyses to city general plans.

### Education

Arizona State University  
B.S., Chemical Engineering, 2019

### Certifications

Engineer-in-Training  
Arizona State Board of Technical Registration

### Relevant Work Experience

- Air Quality and Greenhouse Gas Impact Studies
- Energy Analyses
- Health Risk Assessments
- CalEEMod Modeling
- AERMOD Modeling
- City General Plans
- Air Quality Permitting
- Emission Inventories
- Field Work and Evaluations

### Representative Project Experience

- Maverick Fueling Station, Desert Hot Springs, CA
- Crossings at Palm Desert, Palm Desert, CA
- City of San Jacinto 2040 General Plan Update, San Jacinto, CA
- Antelope Valley – East Kern Water Agency High Desert Water Bank, Kern County, CA
- Life Bible Church, Upland, CA
- Paradise Ranch, Chino Hills, CA
- Santiago Estates, Los Angeles, CA
- Date Street Storage, Murrieta, CA
- Rove Corona Project, Corona, CA
- Plan D Properties Cultivation Facility, Desert Hot Springs, CA
- Red Bluff Apartments, Red Bluff, CA
- Berendo Street Multifamily Development, Los Angeles, CA
- Fire Station 226, San Bernardino, CA
- 1845 Oak Road Residential Development, Simi Valley, CA
- Chula Vista Center, Chula Vista, CA

[Go Back to Meet the Team](#) ↑



**BAI 'TOM' TANG, M.A.**  
**CRM TECH**  
**Principal Investigator/Historian/Architectural Historian**

**Education**

- 1988-1993 Graduate Program in Public History/Historic Preservation, University of California, Riverside.
- 1987 M.A., American History, Yale University, New Haven, Connecticut.
- 1982 B.A., History, Northwestern University, Xi'an, China.
- 2000 "Introduction to Section 106 Review," presented by the Advisory Council on Historic Preservation and the University of Nevada, Reno.
- 1994 "Assessing the Significance of Historic Archaeological Sites," presented by the Historic Preservation Program, University of Nevada, Reno.

**Professional Experience**

- 2002- Principal Investigator, CRM TECH, Riverside/Colton, California.
- 1993-2002 Project Historian/Architectural Historian, CRM TECH, Riverside, California.
- 1993-1997 Project Historian, Greenwood and Associates, Pacific Palisades, California.
- 1991-1993 Project Historian, Archaeological Research Unit, University of California, Riverside.
- 1990 Intern Researcher, California State Office of Historic Preservation, Sacramento.
- 1990-1992 Teaching Assistant, History of Modern World, University of California, Riverside.
- 1988-1993 Research Assistant, American Social History, University of California, Riverside.
- 1985-1988 Research Assistant, Modern Chinese History, Yale University.
- 1985-1986 Teaching Assistant, Modern Chinese History, Yale University.
- 1982-1985 Lecturer, History, Xi'an Foreign Languages Institute, Xi'an, China.

**Cultural Resources Management Reports**

Preliminary Analyses and Recommendations Regarding California's Cultural Resources Inventory System (with Special Reference to Condition 14 of NPS 1990 Program Review Report). California State Office of Historic Preservation working paper, Sacramento, September 1990.

Numerous cultural resources management reports with the Archaeological Research Unit, Greenwood and Associates, and CRM TECH, since October 1991.

**MICHAEL HOGAN, PH.D., RPA\***  
**CRM TECH**  
**Principal Investigator/Archaeologist**

**Education**

- 1991 Ph.D., Anthropology, University of California, Riverside.  
1981 B.S., Anthropology, University of California, Riverside; with honors.  
2021 “An Introduction to Geoarchaeology: How Understanding Basic Soils, Sediments, and Landforms can make you a Better Archaeologist.” SAA Online Seminar.  
2002 “Section 106—National Historic Preservation Act: Federal Law at the Local Level,” UCLA Extension Course #888.  
2002 “Recognizing Historic Artifacts,” workshop presented by Richard Norwood, Historical Archaeologist.  
2002 “Wending Your Way through the Regulatory Maze,” symposium presented by the Association of Environmental Professionals.  
1992 “Southern California Ceramics Workshop,” presented by Jerry Schaefer.  
1992 “Historic Artifact Workshop,” presented by Anne Duffield-Stoll.

**Registrations**

\*Registered Professional Archaeologist 41781498

**Professional Experience**

- 2002- Principal Investigator, CRM TECH, Riverside/Colton, California.  
1999-2002 Project Archaeologist/Field Director, CRM TECH, Riverside.  
1996-1998 Project Director and Ethnographer, Statistical Research, Inc., Redlands.  
1992-1998 Assistant Research Anthropologist, University of California, Riverside  
1992-1995 Project Director, Archaeological Research Unit, U.C. Riverside.  
1991-1992 Crew Chief, Archaeological Research Unit, U.C. Riverside.  
1984-1998 Project Director, Field Director, Crew Chief, and Archaeological Technician for various southern California cultural resources management firms.

**Research Interests**

Cultural Resource Management, Southern Californian Archaeology, Settlement and Exchange Patterns, Specialization and Stratification, Culture Change, Native American Culture, Cultural Diversity.

**Cultural Resources Management Reports**

Principal investigator for, author or co-author of, and contributor to numerous cultural resources management study reports since 1986.

**Memberships**

Society for American Archaeology; Society for California Archaeology; Pacific Coast Archaeological Society; Coachella Valley Archaeological Society.

**RON SCHMIDTLING, M.S.**  
**CRM TECH**  
**Principal Paleontologist**

**Education**

- 1995 University of California, Los Angeles - Master of Science - Geology  
Fellowship for graduate work in Paleontology.
- 1991 Pasadena City College, Pasadena  
Award for Superior Achievement in Geology.
- 1985 University of Southern Mississippi, Hattiesburg, Mississippi - Bachelor of Arts  
Design Studies in Archaeology, Paleontology, Ancient Folklore, and Art History.

**Professional Experience:**

- 2020 - Principal Paleontologist, CRM TECH, Colton, California
- 2014 - Columbia College Hollywood, Reseda, California  
Instructor of Earth Science, History of Life, Ecology, Evolutionary Biology.
- 2013, 2015 Natural History Museum, Los Angeles County, California  
Volunteer, southern Utah, excavation of a camarasaur and a diplodocid.
- 1993-2014 Getty Conservation Institute, Brentwood, California  
Geological Consultant on the Renaissance Bronze Project, characterizing constituents of bronze core material.  
Paleontological Consultant for Antiquities/Conservation, identifying the foraminifera and mineral constituents of a limestone torso of Aphrodite.  
Scientific Consultant on the Brentwood site Building Project, testing building materials for their suitability in the museum galleries.
- 1999-2001 Michael Brandman Associates, Irvine, California  
Paleontology site monitor at the Hollywood Reservoir, identifying and salvaging Miocene fossils.  
Archaeology and paleontology site monitor at archaic Indian site 624 in Thousand Oaks- preserving native American site and salvaging Paleocene, Eocene, and Miocene fossils.
- 1997 UCLA Department of Archaeology, Los Angeles, California.
- 1994 UCLA Department of Earth and Space Sciences, Los Angeles, California  
Scientific Illustrator- microstructure of gastropods and blastoid hydrospires.  
Graduate teaching assistant for undergraduate seismology course.
- 1994 UCLA Department of Biological Sciences, Los Angeles, California  
Graduate teaching assistant for undergraduate biology course.

**Associations**

AAPS (Association of Applied Paleontological Sciences), USA; CSEOL- Center for the Study of Evolution and the Origin of Life (UCLA department of Earth Sciences)

**Publications and Reports**

Author, co-author, and contributor on numerous paleontological publications and paleontological resource management reports.

**DANIEL BALLESTER, M.S., RPA \***  
**CRM TECH**  
**Field Director/Project Archaeologist/GIS Specialist**

**Education**

- 2013 M.S., Geographic Information System (GIS), University of Redlands, California.  
2007 Certificate in Geographic Information Systems (GIS), California State University, San Bernardino.  
1998 B.A., Anthropology, California State University, San Bernardino.  
1997 Archaeological Field School, University of Las Vegas and UC, Riverside.  
1994 University of Puerto Rico, Rio Piedras, Puerto Rico.
- 2021 “An Introduction to Geoarchaeology: How Understanding Basic Soils, Sediments, and Landforms can make you a Better Archaeologist.” SAA Online Seminar.  
2002 “Historic Archaeology Workshop,” presented by Richard Norwood, Base Archaeologist, Edwards Air Force Base; presented at CRM TECH, Riverside, California.

**Registrations**

\*Registered Professional Archaeologist 18037

**Professional Experience**

- 2002- Field Director/GIS Specialist, CRM TECH, Riverside/Colton, California.  
• Report writing, site record preparation, and supervisory responsibilities over all aspects of fieldwork and field crew. Manages and updates CRM TECH's GIS database, produces maps and extracts data using GIS. Manages field crews for field surveys, testing and data recovery projects. Oversees work to ensure correct procedures.
- 2011-2012 GIS Specialist, Caltrans District 8 Project, Garcia and Associates, San Anselmo, CA.  
2009-2010 Field Crew Chief, Garcia and Associates, San Anselmo, California.  
2009-2010 Field Crew, ECorp, Redlands.  
1999-2002 Project Archaeologist, CRM TECH, Riverside, California.  
1998-1999 Field Crew, K.E.A. Environmental, San Diego, California.  
1998 Field Crew, A.S.M. Affiliates, Encinitas, California.  
1998 Field Crew, Archaeological Research Unit, University of California, Riverside.

**Cultural Resources Management Reports**

Field Director, co-author, and contributor to numerous cultural management reports since 2002.



## THOMAS J. WHEAT, P.E., T.E.

*Principal-in-Charge / Owner*

### **CAREER SUMMARY**

Mr. Thomas J. Wheat, P.E., T.E., is the owner and Principal of TJW. He has been involved in the traffic engineering profession for over twenty-six years managing and designing traffic engineering and transportation planning related projects for both the public and private sectors. His versatile experience includes a wide variety of design and construction projects, and traffic engineering studies. This includes, traffic signals, traffic control, signing and striping, signal timing, ITS, traffic impact studies, warrant analyses and traffic safety studies. Acting as an extension of staff, Mr. Wheat has represented agencies and cities at City Council meetings, Planning Commissions, Public Works Committees, and public outreach meetings. With expertise in traffic engineering, Mr. Wheat has also provided plan check services to the cities of Canyon Lake, Perris, and San Jacinto in Riverside County as well as to the Public Works Department of Orange County.

Leading the TJW team, TJW has had the opportunity to design miles of signing and striping plans and traffic control plans and over 45 traffic signalized intersections and roundabouts within the Orange County Great Park and Neighborhoods in the City of Irvine since 2012. Along with the design, TJW analyzed the capacity and efficiency of roundabouts surrounding Great Park's sports park. In addition to design work, Mr. Wheat has also prepared a variety of traffic engineering studies including traffic impact studies, trip generation studies, parking studies, safety studies, and warrant analyses, to name a few, for various clients and agencies throughout Southern California as well as for public agencies on the East Coast.

Mr. Wheat also has substantial experience in the operations side of traffic signals where he has created timing plans for individual signalized intersections as well as signal systems by using modeling programs, such as Synchro and SimTraffic. He has had the opportunity to adjust and implement timing plans into individual field controllers along with a city's centralized signal system computer.

### **RELEVANT EXPERIENCE**

- Citywide Traffic Signal Upgrades, Lake Forest, CA
- Great Park Neighborhood Traffic Engineering Design, Irvine, CA
- Willow Lane and Manzanita Lane Pedestrian Signal Warrant Review and Pedestrian Beacon Design, Thousand Oaks, CA
- Eucalyptus Ave. and Auto Mall Dr. HAWK Signal Design, Moreno Valley, CA
- US-395 and SR-18 (Palmdale Road) Traffic Analysis and Off-Site Design, Victorville, CA

### **EDUCATION**

*B.S. (Civil Engineering) 1995*

### **REGISTRATION**

*Professional Civil Engineer  
(CA) C69467*

*Professional Civil Engineer  
(VA) 33614*

*Professional Traffic  
Engineer (CA) TR2565*

### **ADDITIONAL SKILLS**

*Contract Management*

*Project Management*





## GENE KIM, P.E., T.E.

*Principal Engineer*

### **CAREER SUMMARY**

Mr. Gene Kim, P.E., T.E. is a licensed Civil and Traffic Engineer in the State of California with over 16 years of traffic engineering experience in both private and public agencies. Most recently, he served a 7-year tenure as a public agency City Traffic Engineer where he was involved in various aspects of the traffic engineering field including municipal and community engineering and outreach, engineering design/ analysis, consultant staff oversight, CIP project management, traffic engineering and transportation planning plan check and study reviews, and administrative involvement in the Public Works Commission and City Council. He also has design-build experience (MOT design and traffic analysis lead) that he gained while working on the SR-91 Corridor Improvement Design Build project.

### **RELEVANT EXPERIENCE**

- Public Agency City Traffic Engineer
- SR-91 Corridor Improvement Design-Build MOT Lead and Coordination,
- California High Speed Rail (CAHSR) Project
- Camp Pendleton Basewide Traffic Safety and Operations Analysis

### **EDUCATION**

*B.S. (Civil Engineering) 2006*

### **REGISTRATION**

*Professional Civil Engineer (CA)  
C83175*

*Professional Traffic Engineer  
(CA) TR2684*

### **ADDITIONAL SKILLS**

*APWA PWI Certified Manager*

*Agency Coordination*



## DAVID CHEW, PTP

*Transportation Planning Manager*

### **CAREER SUMMARY**

Mr. David Chew is a Professional Transportation Planner with over 10 years of experience in transportation planning and traffic engineering in both the public and private sectors. He is an experienced project manager, responsible for the successful completion and review of numerous projects ranging from traffic and parking studies to regional multi-modal transportation studies. Mr. Chew has a broad background of professional experience including traffic analysis, site access/circulation, parking studies, parking demand management, corridor studies, active transportation, and transit planning. As a transportation professional, Mr. Chew is current on CEQA and NEPA documentation including VMT legislation.

### **RELEVANT EXPERIENCE**

- Bear Valley Marketplace Traffic Analysis, Victorville, CA
- Laguna Niguel Gateway Specific Plan 5-Year Review, Laguna Niguel, CA
- Downtown Redlands 3<sup>rd</sup> Street Retail, Redlands, CA
- Holly Street & US-101 Interchange Operations Analysis, San Carlos, CA
- Coast Highway Corridor Study, Oceanside, CA

### **EDUCATION**

*M.U.P (Masters of Urban  
Planning) 2013*

*B.A. (Environmental Analysis  
and Design) 2008*

### **REGISTRATION**

*Professional Transportation  
Planner (PTP) #617*

### **ADDITIONAL SKILLS**

*Traffic/Transit Analysis*

*Microsimulation*

*Travel Demand Modeling*





# Kevin B. Colson, CEG, PG

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## EDUCATION

M.S., Geological Sciences, San Diego State University, San Diego, California, 1996

B.S., Geological Sciences, San Francisco State University, San Francisco, California, 1993

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## PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

California, Certified Engineering Geologist, CEG 2210

California, Professional Geologist, PG 7119

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## PROFESSIONAL SUMMARY

As a Vice President and Director of Geology for LGC Geotechnical, Mr. Colson has over 27 years of experience in the geotechnical industry in Southern California. He has been involved in numerous projects in Southern California including: residential, commercial, retail, transportation, and public works. Mr. Colson's expertise includes: fault investigations; landslide mitigations and slope stabilizations (by both mechanical and earthen stabilization methods); hillside grading; flat land grading; hard rock rippability studies; liquefaction studies; distress evaluations; and reviews. Mr. Colson has been the lead on several of our most complex projects including: design and construction of a major landslide stabilization with tiebacks and grade beams beneath occupied multi-storied residential structures; slope stabilizations via nail and tieback walls below active roadways; design of earthen stabilizations for several hundred-foot-high slopes; fault trench investigations of active and potentially active faults; and mitigation of unstable rock slopes. Mr. Colson, his wife and three children reside in San Clemente

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## SELECTED PROJECT EXPERIENCE

Project geologist for the approximately 440-acre Santiago Hills II development for the Irvine Community Development Company in the City of Orange, California. The project will ultimately include over 17 million cubic yards of grading to be performed over an approximately span of 2-years. The site presents several complicated geotechnical issues to consider including: microtunneling for realignment of a 54-inch water line beneath the active lanes of Chapman Avenue; installation of new storm drain lines via "jack and bore" methods beneath the active lanes of State Route 241/261; grading with the Caltrans right-of-way directly adjacent to active lanes of State Route 241/261; proposed over-steepened slopes; deep saturated alluvium; numerous faults; slope stability issues; landslides; dense volcanic rock; very highly expansive soils; and shallow ground water. Mr. Colson and his LGC team have successfully addressed these issues on an extremely tight time frame and were essential in getting the project approved for development through city, county and state jurisdictions. Particular LGC contributions to the success of the project, included: design of an extensive wick drain ground improvement system for areas of deep saturated alluvium; design for geogrid reinforcement for 60-foot-high 1.5:1 fill slope for bridge abutment; and design of landslide remediation and slope stabilizations for the project slopes. Project Geologist for the Coventry Court Senior Apartments in Tustin, California. The project included grading and construction for ten three-story, twenty-four-unit senior residential housing structures, two clubhouse/pool structures and associated utilities, roadways, parking and improvements. Project geologist for Laguna Beach Sewer Interceptor Tunnel rehabilitation, Laguna Beach, California. The project included geologic mapping and evaluation of approximately two miles of coastal bluff along the tunnel alignment. Mapping was performed both within the unlined portions of the existing tunnel and adits along the bluff face.

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## PROFESSIONAL HISTORY

July 2010-Present:	Vice President, LGC Geotechnical, Inc., San Clemente, California
January 2006-July 2010:	Vice President, Lawson & Associates Geotechnical Consulting, Inc., San Clemente, California
2002-2006:	Associate Geologist, Lawson & Associates Geotechnical Consulting, Inc., San Clemente, California
2001-2002:	Project Geologist, Lawson & Associates Geotechnical Consulting, Inc., San Clemente, California
1998-2001:	Project Geologist, Staff Geologist, and Technical Illustrator, Leighton and Associates, Inc., San Diego, California



## PROFESSIONAL PROFILE

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### Kasia Anderson

#### Project Geologist

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##### EXPERIENCE SUMMARY

Project Geologist, Roux Associates, Inc., June 2023 – Present.

Project Geologist, Senior Staff Geologist, Staff Geologist, Ardent Environmental Group, Inc., January 2015 – July 2017 and July 2020 – June 2023

Environmental Scientist, Alpha Environmental, July 2013 – December 2014

##### TECHNICAL SPECIALTIES

Provide comprehensive phase I/II environmental site assessments and investigations examining potential impacts on soil, soil vapor, and groundwater. Other areas of focus include litigation support including advanced data analysis, agency file reviews, and report writing. Facilitating the design, coordination and implementation of remediation and mitigation measures at small- and large-scale projects.

##### REPRESENTATIVE PROJECTS

- Directing and overseeing construction and drilling activities for monitoring, assessment, sampling, and remediation purposes.
- Monitoring construction activities for volatile organic compounds (VOCs) and toxic air contaminants in dust in accordance with South Coast Air Quality Management District Rules (SCAQMD) 1166, 1403, 403, and 1146.
- Completing investigation, characterization, and remediation activities associated with on-site and off-site chemical releases under the direction and oversight of regulatory agencies.
- Project management of subsurface investigations and remediation activities including proposal preparation, development of technical scopes of work, budget planning, obtaining permits, contractor oversight and coordination, data interpretation, and invoicing.
- Experience includes Phase II subsurface investigations, groundwater sampling and monitoring, soil sampling, groundwater well abandonment, UST removal, and soil vapor sampling.
- Completed over 100 Phase I Environmental Site Assessments (ESAs) of industrial, commercial, residential, agricultural, and undeveloped properties throughout California.
- Executing various drilling techniques utilizing hand auger, direct push, and hollow-stem auger drilling equipment for the installation/destruction of monitoring wells, and the collection of groundwater, soil, and soil vapor samples.
- Soil logging using the Unified Soil Classification System.
- Permanent and temporary monitoring well construction.
- Reviewing construction plans, building records, historical photographs, and maps for locating utilities and potential environmental concern.
- Coordinate agency permitting and regulations, multiple subcontractors (geophysical, driller, laboratories, etc.), site personnel, and internal and client communication to ensure projects progress smoothly and any obstacles or delays are minimized and conveyed to clients as early as possible.

##### CONTACT INFORMATION

Main: (310) 879-4900

Direct: (805) 849-9338

Email: [kanderson@rouxinc.com](mailto:kanderson@rouxinc.com)

Website: [www.rouxinc.com](http://www.rouxinc.com)

5150 East Pacific Coast Highway  
Suite 450  
Long Beach, CA 90804

##### EDUCATION

BS, Environmental Geology,  
University of California, Santa  
Cruz

##### PROFESSIONAL TRAININGS

OSHA 40-Hour HAZWOPER

8-hour OSHA Annual  
Refreshers

Certified SCAQMD Rule 1166,  
403 Training





## PROFESSIONAL PROFILE

### Mauricio H. Escobar, PG

#### Vice President | Principal Geologist

##### EXPERIENCE SUMMARY

21 years of consulting experience: Principal Geologist with Roux Associates (2011 to Present); Senior Manager, Manager, and Senior Associate with ENVIRON International Corporation (2004 to 2011); Project Geologist with URS Corporation (2001 to 2004); Geologist with Hart Crowser (1998 to 2001).

##### TECHNICAL SPECIALTIES

Professional Geologist with over twenty years of experience designing, managing, and implementing environmental soil and groundwater investigations and remediation strategies for public and private clients. Experience as in-house consultant assisting with management of a \$25MM yearly remediation portfolio for a Fortune 100 Company. Practice developing and implementing high-level strategies that consider legal and regulatory issues, communications and government relations, as well as technical challenges and costs. Significant assignments representing clients during Working Group meetings for Superfund sites and participation in technical committee meetings. Expertise in design and field implementation of in-situ chemical oxidation (ISCO) in hard rock and porous media-flow aquifers.

Substantial experience evaluating and remediating industrial, commercial and residential sites impacted with numerous contaminants in multiple media, including crude oil, fuels, volatile organic compounds, chromium VI, 1,4-dioxane, and PCBs. Extensive experience managing implementation of remediation programs that utilize and consider multiple technologies including soil vapor extraction, dual phase extraction, traditional pump and treat, in-well stripping, air sparging, chemical oxidation and reduction, thermal treatment, and natural attenuation. Experience managing large-scale remedial excavations involving the use of heavy earth moving equipment. Significant field experience using numerous drilling, soil sampling, groundwater sampling, and soil vapor sampling techniques.

##### CONTINUING EDUCATION

- Compounds of Emerging Concern in Groundwater, California Groundwater Resources Association, Concord, California, February 2012
- The Remediation Course, Princeton Groundwater, Las Vegas, Nevada, April 2010
- Vapor Intrusion Pathway: A Practical Guideline, Interstate Technology and Regulatory Council (ITRC) in conjunction with the California Department of Toxic Substances (DTSC) and California Water Boards, Long Beach, California, June 2009
- The Groundwater Pollution and Hydrology Course, Princeton Groundwater, Orlando, Florida, February 2007
- Hydrogeologic Analysis of Fractured Bedrock Systems, Midwest GeoSciences Group, University of Nevada Las Vegas and Nevada Test Site at Yucca Mountain, March 2006

##### REPRESENTATIVE PROJECTS

- **PRP Representation of Fortune 100 Company, Omega Chemical Superfund Site, Whittier, California.** Provide ongoing technical consulting to a Fortune 100 Company and major PRP at the Omega Chemical Superfund Site in Whittier, California. Active participant of the Omega PRP Group (OPOG) Technical Committee. Attend all pertinent technical meetings and provide Client with technical and strategic input that protects their best interests. Maintain constant interaction with the legal and finance teams as necessary to ensure the technical and legal strategies are in agreement and that adequate funding is reserved well in advance of regulatory commitments and OPOG cash calls. Pertinent technical issues include soil gas and vapor intrusion, and a regional groundwater plume. Regulatory oversight is provided by USEPA Region IX.

##### CONTACT INFORMATION

Main: (310) 879-4900

Direct: (310) 879-4920

Email: [mescobar@rouxinc.com](mailto:mescobar@rouxinc.com)

Website: [www.rouxinc.com](http://www.rouxinc.com)

5150 East Pacific Coast Highway  
Suite 450  
Long Beach, CA 90804

##### EDUCATION

Bachelor of Arts, Earth Science,  
1995, University of California,  
Berkeley

OSHA 40-Hour Hazardous Waste  
Operations and Emergency  
Response (HAZWOPER)  
Certified

Research Assistant to UC  
Berkeley Ph.D. Candidate  
Dawnika L. Blatter and  
Professor Ian S. E. Carmichael  
in Study of Continental  
Crustal Deformation from  
Subduction of the Cocos  
Plate in Western Mexico and  
Study of Upper Mantle  
Petrology in Central Mexico,  
January to April 1996

##### PROFESSIONAL LICENSES

Professional Geologist, State of  
California, No. 07506



- **PRP Representation of Fortune 100 Company, BKK Corporation Class I Landfill Organized Group, West Covina, California.** Provide ongoing technical consulting to a Fortune 100 Company at the former BKK Corporation Class I Landfill site in West Covina, California. Participant in the BKK Technical Committee and attendant of pertinent technical meetings. Maintain constant communication with the Client's legal and finance teams and responsible for informing Client on the direction the Organized Group is headed. Responsible for identifying financial commitments made as part of technical decisions. Trusted with voicing opinions, concerns, and/or offering direction to the Group (if and when necessary), to ensure the Organized Group's direction is consistent with the Client's strategy. Pertinent technical issues include upgrades to the landfill infrastructure and groundwater remedial investigations in and around the landfill prism. Regulatory oversight is provided by the Department of Toxic Substances Control.
- **Portfolio Project Control - Fortune 100 Company, Torrance, California.** Three years of experience working as a full-time in-house consultant for a Fortune 100 Company assisting with management of all aspects of a complex multi-site portfolio. General role included communication with alliance partners, vendors, corporate finance, attorneys, public relations/communications, and procurement to track and facilitate progress of 9 major projects (\$400,000 to \$1 MM/year) and 3 mega projects (\$3MM to \$10MM+/year) that were unique in nature and complexity. Portfolio included former chemical sites, landfills, aerospace facilities, and other heavy use industrial facilities that were undergoing State and RCRA closure, as well as sites under CERCLA Superfund actions with PRP commitments. Charged with helping to develop, evaluate, and refine remedial strategies and lifecycle costs for sites that utilized various cleanup technologies such as application of oxidants and reducing agents, thermal oxidation, groundwater pump and treat, dual-phase and 2-PHASE™ extraction, soil vapor extraction, air sparging, and in-well air stripping. Major role included verifying adequate funding and maintaining documentation consistent with Sarbanes Oxley.
- **Strategy Expert Consulting - Fortune 100 Company, Los Angeles, California.** Ongoing third-party technical and strategic support to a Fortune 100 company for a major project involving former bulk storage and distribution facilities converted to open public space and residential uses. Site is undergoing remedial investigations and remedial alternatives evaluations under heavy regulatory and public scrutiny. Charged with providing opinions and recommendations as to the direction the current consultant and the regulatory agencies want to take the project and evaluating the conceptual site model and long term technical strategy. Active participant on technical team calls and ongoing direct communications with internal legal team.
- **Shipyards Decommissioning - Subsurface Assessment, Remedial Investigation, Demolition and Closure, Campbell Shipyards - Marco, Port of San Diego, California.** Lead geologist in the preparation of a comprehensive subsurface study of the former Campbell Shipyards property at the Port of San Diego, California. Over 200 borings were necessary to delineate the extent of impacted soils. Relevant environmental issues included a former coal works gasification plant immediately adjacent to the Site, a 2 to 4-foot thick lens of polynuclear aromatic hydrocarbon (PAH) laden sediment present throughout the Site below the water table, a former on-site diesel and kerosene tank farm, and numerous leaking fuel USTs. Responsibilities also included management of shipyard abandonment activities, such as abatement of asbestos and lead-based paint containing materials, demolition of on-site structures, crushing of asphalt and concrete into Class II base, and a comprehensive geophysical survey to locate all on-site utilities and buried structures. The work was performed under the regulatory oversight of the San Diego Regional Water Quality Control Board and the San Diego Unified Port District. Total cost of the work was approximately \$1.3MM, implemented over a 15-month period.
- **Neutral Third-Party Oversight of Remediation Work, ITT Corporation and Home Depot, Glendale, California.** Provided third party oversight for a site undergoing major remediation of VOCs and chromium VI in soils and groundwater. The site was a former electronics manufacturing facility redeveloped as a major box retailer in Glendale, California. Services were provided on behalf of the former facility owners/operators and the current property owners, both of whom had differing interests and views on the remedial work being performed. Viewed all fieldwork and construction of remediation systems and attended quarterly meetings with consultants, attorneys, and clients to gauge progress, discuss ongoing work, and evaluate projected schedules for completion of remediation. Technical challenges to remediation included dewatering of 20-foot thick perched zone impacted with VOC contamination, despite a leaking slurry wall originally designed to prevent onsite migration from upgradient sources.
- **ISCO Demonstration Plan Using Permanganate, Wyle Laboratories, Riverside County, California.** Designed, managed, and implemented an ISCO Demonstration Plan using sodium permanganate injection at a former industrial manufacturing facility in Southern California. Main goals of the application were to demonstrate effective oxidation of trichloroethene (TCE) in alluvium and fractured granitic bedrock, evaluate potential mobilization of naturally occurring reduced metals, and evaluate the potential application of ISCO