



Statement of Qualifications for
On-Call Traffic Engineering Services

June 15, 2015

Mr. Ron Drago
Principal Engineer
City of Rancho Palos Verdes – Public Works Department
30940 Hawthorne Boulevard
Rancho Palos Verdes, CA 90275

RECEIVED
City of Rancho Palos Verdes

JUN 15 2015

PUBLIC WORKS DEPARTMENT

660 South Figueroa Street
Suite 1040
Los Angeles, California
90017
TEL 213 261 4040

RE: Statement of Qualifications for On-Call Traffic Engineering Services

Dear Mr. Drago and Members of the Selection Panel,

The City of Rancho Palos Verdes (City) would benefit from an engineering consultant that understands the potential challenges associated with the City's upcoming projects, along with the experience to successfully provide as-needed traffic engineering services in support of City projects. **Kimley-Horn** has successfully partnered with public agencies throughout Los Angeles County to complete signing and striping; signalization, plan check services, traffic studies for complete streets and traffic calming; bicycle/pedestrian improvements; and many other types of public works projects, including street reconstruction, resurfacing, and reconfiguration projects. In each case, our staff has functioned as an extension of agency staff—providing responsive service, technical expertise, and general on-call consultation for a variety of projects.

Extensive On-Call Experience. On-call contracts require a different approach from typical project-specific contracts. Each task assigned under an on-call contract will need an individualized approach that includes the various disciplines necessary to complete the assignment. Our team combines familiarity with conditions in Los Angeles County and exposure to challenging traffic engineering issues in other parts of the state and country, bringing the City the best of both worlds.

Exceptional Leadership Qualified To Serve You. Our comprehensive qualifications to serve you are thoroughly detailed in our submittal. **Sri Chakravarthy, P.E., T.E.**, will serve as project manager. With more than 12 years of experience in traffic engineering related to public works, roadway projects, intersection improvements, traffic signal design, signal timing, and ITS, Sri has managed both small and large projects for clients throughout Southern California, including on-call contracts with OCTA and the Cities of Agoura Hills and Malibu.

Quick Response with the Right Technical Expertise. When a task order is issued, Sri will quickly identify the right technical team from our available, qualified resources depending on the needs of the individual task. Kimley-Horn's Los Angeles offices will provide the lead team of professionals to provide the City with exceptional on-call engineering capabilities. In addition, we can easily draw upon the nationwide resources of Kimley-Horn, offering the diverse resources of 2,300+ professionals. **With Kimley-Horn, you have the benefit of receiving the local knowledge and responsiveness of a small organization, backed by the depth of resources only a national firm can offer.**

If you should have any questions about this proposal, please contact project manager, Sri Chakravarthy at (310) 621-2778 or sri.chakravarthy@kimley-horn.com. Thank you for your consideration of our qualifications. We look forward to being the City's consultant of choice for your on-call engineering services.

Sincerely,

KIMLEY-HORN

Sri Chakravarthy, P.E., T.E.
Project Manager



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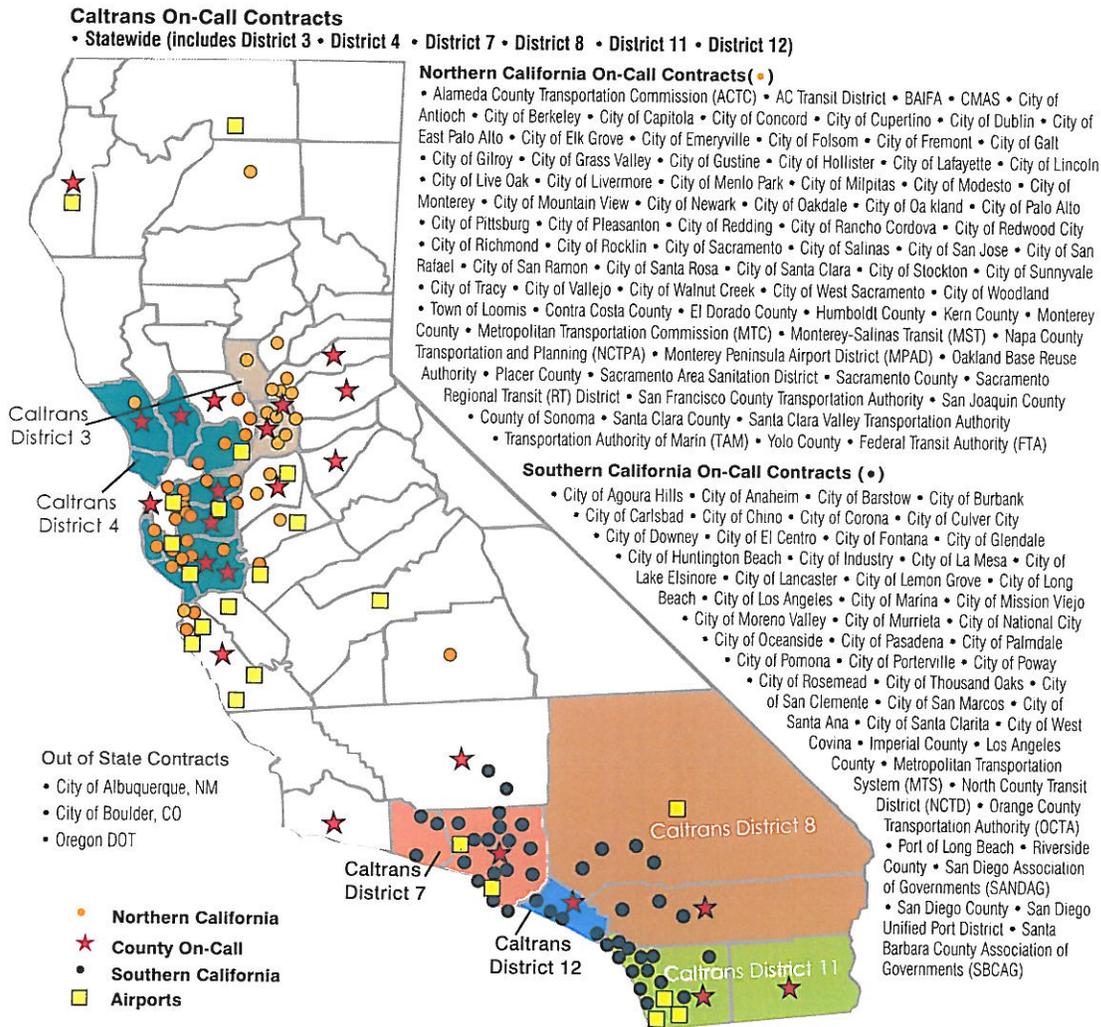


Statement of Qualifications for On-Call Traffic Engineering Services

On-Call Experience

Kimley-Horn understands what it means to provide services on an as-needed basis for a local government. We also have worked with Caltrans, Los Angeles County, and many other California

municipalities (including several in Los Angeles County) through on-call contracts, as illustrated in the map on the following page. Since our founding, on-call clients have been a top priority, and our approach is to serve as an extension of City staff.



On Pre-Qualified List

- City of Anaheim
- City of Brentwood
- City of Covina
- City of Cypress
- City of El Segundo
- City of Irvine
- City of Lake Forest
- City of Long Beach
- City of Moreno Valley
- City of Newark
- City of Newport Beach
- City of San Diego
- City of San Jose
- City of Santa Ana
- Amador County
- Bay Area Toll Authority (BATA)
- EBMUD
- RCTC Goods Movement

Airport Contracts (□)

- Orange County
- San Diego County
- San Diego County Regional Airport Authority
- City of San Diego
- City of Salinas
- City of King City
- City of Modesto
- City of Rio Vista
- City of Hollister
- City of Firebaugh
- City of Dunsuir
- City of Gustine
- City of Livermore
- Long Beach Airport
- Los Angeles World Airports
- Contra Costa County Airports
- Monterey County
- Humboldt County
- San Bernardino County Airport
- Boulder City, NV
- Boulder, CO



Statement of Qualifications for On-Call Traffic Engineering Services

Traffic Engineering

Kimley-Horn offers unparalleled expertise in traffic and transportation impacts, methodologies to monitor development-generated traffic, and financing mechanisms for transportation improvements. We have the proven capacity to assess traffic impacts; develop master plans; lay out roadways, access ways, and interchanges; develop workable circulation and parking plans; and design both surface and structural parking facilities. Our engineers specialize in the planning, design, and implementation of leading transportation systems.

Traffic Signal Design

Signal design and construction are cornerstones of Kimley-Horn's professional practice. Our teams have developed signal systems for thousands of signalized intersections for state DOTs and municipalities nationwide. In addition to comprehensive master planning for traffic signalization, our engineers have designed numerous plans to standardize traffic control systems and provide comprehensive systems communications. Advanced traffic management projects include citywide signal system designs, such as the Culver City KITS project, transportation control centers, electronic toll facilities and revenue control systems, and innovative transit and public transportation systems. Our systems are designed not only to address current needs, but also to accommodate growth and technological advances.

Traffic Operations

Traffic operations has been a cornerstone of our firm's practice. We have knowledgeable professionals to address every aspect of the City's projects. Kimley-Horn's professionals have successfully completed a wide range of transportation projects in across the southwest and the entire U.S. for state, regional, urban, and rural agencies.

Services:

- Signal system design
- Signalization design
- Signing and pavement marking studies and plans
- Travel time and speed studies
- Safety and operations studies and plans
- Accident analysis and testimony
- Pedestrian safety programs

- Access management
- Parking studies and layout
- Circulation studies
- General traffic engineering consultation

Street Lighting Design

Kimley-Horn has lighting specialists who design and select light fixtures that are thematically and functionally appropriate for each project. Appropriate lighting—both aesthetically and functionally—can help to provide clarity of directional cues for autos, service providers, bicyclists, and pedestrians. The appropriate level of lighting in public spaces results in a fixture quantity, enhancing the overall design experience and providing user security, yet not spilling over to adjacent uses.

Traffic Control Plans (TCP)

Reconstruction and rehabilitation projects require traffic control planning to accommodate local and regional traffic, emergency access, city and franchise utility relocations (if necessary), temporary and permanent traffic signals, access to adjacent homes and businesses, and subgrade and pavement construction. Before we begin preparing the actual TCP documents, the traffic team will meet with the project stakeholders to solicit input regarding special coordination needs. During this meeting, the team will present the proposed construction sequence plan, which will include the following:

- Travel lanes and construction area for each phase of construction
- Temporary signing and striping, barricades, and other channelization devices
- Narrative of the sequence of work including utility construction phasing
- Vehicle and pedestrian detour routing during construction

The traffic control plans also include typical cross sections showing lane widths, edge conditions, channelization, and proposed construction areas. Construction staging plans will be developed for both intersections and driveways. Standard staging plans will be developed for typical/similar intersection and driveway configurations. Special staging plans will be developed for non-typical intersection and driveway configurations.



Statement of Qualifications for On-Call Traffic Engineering Services

Bicycle and Pedestrian Facilities, Planning and Design

Kimley-Horn is currently working on numerous bicycle and pedestrian trails and facilities throughout California. We have completed bicycle and pedestrian facility master plans for towns, cities, and counties; developed comprehensive statewide plans and requirements for bicycle facilities, transit, rail, and fully integrated intermodal systems; and designed more than 200 miles of multiuse trails—including bicycle/pedestrian bridges. We have completed studies and designs for bicycle and pedestrian facilities throughout Southern California.

Other Related Services

Plan Check and Specifications Review

Kimley-Horn's plan checking and specifications review services include full review of all improvement plans for conformance to City and LA County standards, as well as sound engineering design. From the preliminary task kick-off meeting, we will gain a thorough understanding of your objectives and timeline and will review all available information. We then follow a formal checklist of items necessary to complete the work efficiently. The list may include such elements as utility studies, conditions of approval, etc. Having a complete submittal package and a checklist will help us complete task assignments consistently for all projects and, as a result, can lead to overall cost savings for the City. This process has also proven to significantly reduce the potential for missing component checks and creative interpretations of the client standards.

Landscape Architectural Services

Our landscape architects and urban planners have varied public-sector experience ranging from corridor plans and downtown streetscape programs to parks and recreation planning. Our planners and landscape architects emphasize the development of a pleasing visual environment, meaningful theme, distinctive image, and strong sense of place.

Site Planning

Working in concert with our client, we provide land planning services to help create site plans with maximum development yield. Once completed, our engineers review site plans for:

- Groundwater conditions
- Stormwater retention

- Utilities availability
- Easements
- Ingress/egress conditions
- Dimensional controls

In effect, we can verify that what is designed for a project site will actually fit the site and meet all local regulatory requirements. We have the expertise to develop horizontal control that can maximize your development's yield.

Geotechnical Services

Kimley-Horn will partner with **Twining, Inc.**—a firm we have worked with many times before, to provide geotechnical services, as needed.

Surveying Services

To assist us with surveys, we have teamed with **Chris Nelson & Associates, Inc.**—a certified SBE with L.A. Metro—also a firm we have also worked with on numerous projects.

Creative Design Solutions

The Kimley-Horn team is comprised of engineers and professionals who are prepared to address specific challenges of each project. Our team will think creatively and exhaust all options to discover solutions that may not be obvious, all the while keeping in mind the City's budget and schedule requirements. As value-oriented engineers, we focus on asking questions and finding solutions that will increase return on the client's investment by increasing the value of the improvements. The best value is provided by the solution that maximizes the amenities being provided at the best price (considering initial and long-term costs), while meeting the overall design intent and the user's expectations.



2. Relevant Project Experience

The following project descriptions detail our extensive experience providing traffic engineering, transportation planning, and plan checking services in Southern California.

On-Call Experience

We understand what it means to be on-call for a local agency. Our on-call clients are a top priority and our approach is to be an extension of City staff. We are available to meet at the City's convenience. Critical issues can be addressed immediately because our staff brings such a high level of technical knowledge.

As-Needed Engineering Services, Covina, CA

Kimley-Horn has been providing engineering services to the City of Covina on as-needed basis since February 2014. Our staff has performed review of traffic studies, study scopes, collected traffic related data, conducted field visits and assisted the City staff with preparing grant application for Metro Transit Oriented Development program to secure funding for Town Center Specific Plan Update. In Addition, we have conducted intersection evaluation for the intersection of Workman Avenue and Hollenbeck Avenue, prepared Traffic Impact Analysis Guidelines for regulating the developmental growth in the City and completed traffic signal plan reviews for several intersections for submission to LADOT. We are currently contracted to complete intersection design for Workman Avenue and Hollenbeck Avenue for installing left-turn lanes at north and south approaches of the intersection. We have acted as an extension to the City Public Works Department



by providing the support necessary for advancing the current projects associated with various development and improvement throughout the City.

- Development of Traffic Impact Analysis Guidelines for the City
- Intersection Evaluation Study – Workman Ave and Hollenbeck Ave
- Preparation of City's Grant Application to Metro for Transit Oriented Development for Town Center Specific Plan Update
- Traffic Signal Plan review for LA County

On-Call General Engineering Services, Agoura Hills, CA



Kimley-Horn has been providing staff augmentation services to the City of Agoura Hills as part-time City Traffic Engineer for about eight years. Kimley-Horn staff provide general on-call traffic engineering services, project management, staff augmentation and engineering services for a variety of infrastructure and capital improvement projects and city programs/services. The project types include, but are not limited to, the types listed below and include oversight of all work typically required for the successful delivery of the various types of projects:

- Field Investigations
- Plan check and site visits
- Traffic Study Reviews
- Street Improvements / Resurfacing / Streetscape
- Traffic Signal and Electrical installations



On-Call Traffic Engineering Services

- Public Works Maintenance Projects
- Roadway Widening Projects

We are responsible for working with appropriate technical staff, consultants and other City Departments in overseeing, coordinating, administering, and managing public works Capital Improvement Projects under the direction of the Director of Public Works for this contract.

On-Call General Engineering Services, Malibu, CA



Kimley-Horn was originally selected to provide on-call traffic engineering services to the City of Malibu in 2012, but the contract was later expanded to include Civil Engineering Services, due to high quality service provided by Kimley-Horn. As extension to the City staff, Kimley-Horn staff performs the following on a regular basis:

- Performing review of traffic control plans, traffic impact analysis reports, safety studies and parking studies;
- Conducting engineering and traffic surveys; feasibility/conceptual studies and reports and recommendations for preliminary, final and construction design studies;
- Applicable subconsultant and engineering disciplines; preparation of construction plans, specifications and estimates; research of utilities and other records; collecting and analyzing traffic data; and participating in meetings with City staff associated with various development and improvement projects.

Kimley-Horn staff also assists in development of procedures, policies, record keeping and duties as required related to overall administration of Capital Improvement Projects.

Lancaster-Program/Project Management Measure R, Lancaster, CA

Kimley-Horn is providing program management for the Measure R "Highway Equity" projects for a five-year contract term (December 2013 to June 2018). We are providing project management and project oversight throughout the life of Measure R capital projects, including preliminary planning, environmental clearance, final design, and construction. Kimley-Horn works closely with Caltrans District 7 offices, structures, and headquarters, and is responsible for implementing and executing project management controls including scope definition and scope control; project scheduling; cost estimating; financial and fiscal management; as well as developing monitoring reports and performing trend analyses to detect and rectify project delivery deficiencies. We also provide general project document control; development and review of invoices and reimbursements; and development of fact sheets, presentations and other reports and pertinent information. As an extension to City staff, Kimley-Horn represents the City, serving as a liaison to other agencies, consultants and the public.

City of Pomona On-Call, Pomona, CA

Kimley-Horn was selected through our on-call agreement with the City to provide street rehabilitation services for various streets within the City of Pomona. The general scope of work was to evaluate the suitable pavement rehabilitation methodologies and select the methods that were most suitable for the City's budget, this project also included isolated concrete improvements including, sidewalk, curb and gutter, cross gutters, curb ramps, bus pads, and medians. Some of the pavement rehabilitation methods that were evaluated were cold in place recycling, conventional asphalt removal and replacement, and cold mill and overlay, each method was evaluated with conventional asphalt removal and replacement, and cold mill and overlay, each method was evaluated with conventional asphalt and rubberized asphalt.

City of Industry On-Call, City of Industry, CA

Kimley-Horn has provided on-call traffic and civil engineering services to the City of Industry since 2005. Since initiation, we have been issued more than 16 tasks focused primarily on improving the transportation system within the City. Tasks entail developing geometric alternatives for major intersection modifications; evaluating access points and presenting various alternatives for modifications at the Puente Hills Mall; concept plan for widening the eastbound entrance ramp to SR 60 at



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Azusa Avenue; intersection capacity analysis using Synchro software; and traffic impact analysis, sight distance evaluation, traffic handling design, traffic signal design, signing and striping design, speed surveys, peer reviews, a citywide engineering and traffic survey at 38 locations. Our on-call work is conducted with both the City Department of Public Works and the Industry Urban Development Agency (IUDA).

On-Call General Engineering Services, Santa Clarita, CA

Kimley-Horn provides civil and traffic engineering services on an as-needed basis to the City of Santa Clarita. Assignments have included review of site developments, intersection design, technical review of development plans, signal plans, and preparation of signal timing plans and signal coordination plans—as well as preparation of traffic impact studies, traffic signal design, bike lane design, and other engineering services.

OCTA On-Call Traffic Engineering Services, Orange County, CA

Kimley-Horn has been providing services to OCTA through an on-call traffic engineering services contract, since 2008. The program involves TSSP implementation throughout Orange County and includes multijurisdictional signal timing services to improve travel times and reduce delay.



On-Call Traffic Engineering Services, Pasadena, CA

Kimley-Horn was selected to perform on-call traffic engineering and analysis services throughout the City of Pasadena. Services involved under this project have included traffic planning and impact studies, traffic and transit operation studies, capacity and level-of-service analyses, comprehensive parking studies, analyses of conceptual plan designs, and traffic control plans for construction staging.

SR 138 PA&ED, L.A. Metro, North Los Angeles County, CA



Kimley-Horn is leading a multidiscipline consulting team for the PA&ED of the improvements to the 36-mile corridor between I-5 and SR 14 in north Los Angeles County. Kimley-Horn is responsible for managing the PA&ED effort including coordination and management activities with Caltrans in completion of the Environmental Document (ED) and environmental technical studies. The Kimley-Horn team is responsible for completion of the Project Report (PR) and technical studies to support the preliminary engineering for the project. Our team is also responsible for developing an implementation and funding strategy for the identified improvements in the corridor.

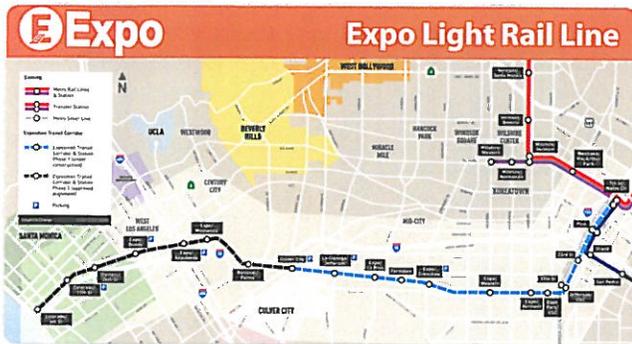
Expo Metro Line Construction Authority, Design of LRT Phase 2, Los Angeles, CA

Los Angeles' 15.2-mile Expo Line is bringing light rail transit to 19 stations that serve popular destinations from Los Angeles to Santa Monica. Kimley-Horn is providing roadway and traffic design, specifications, underground utility modeling, and site



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civil engineering for stations for the Phase 2 portion of the line in the City of Santa Monica (about one-third of the total project). The Phase 2 portion stretches from Culver City to Santa Monica along a 6.6-mile corridor at an estimated cost of \$1.5 billion. By 2030, 64,000 riders will use the line to travel from Downtown Los Angeles to Santa Monica. Construction is scheduled to be completed in 2015.



Bicknell Avenue Green Street, Santa Monica, CA



Kimley-Horn was responsible for preliminary design, public outreach and final design. The goal was to enhance the beauty of Bicknell Avenue while introducing innovative methods to clean

and harvest urban runoff providing a model for all streets in Southern California. This block of Bicknell Avenue was designed to direct water runoff from the street into depressed planted areas (bioswales) and underground infiltration basins to protect the water quality of Santa Monica Bay. The project incorporated low impact development (LID) strategies with best management practices (BMPs) to harvest urban runoff for treatment via infiltration.

Other Notable Relevant Project Experience:

- **Azusa Avenue/Amar Road Intersection Improvements, West Covina, CA**
- **SR 60/Azusa Avenue Eastbound Ramp Modifications, City of Industry, CA**
- **City of Anaheim ITS Master Plan, Anaheim, CA**
- **Transit Priority System Phase 2/ATMS Phase 3, Santa Monica, CA**
- **On-Call Traffic and Transportation Services, Corona, CA**



3. Staff Qualifications and Experience

A. Organizational Chart

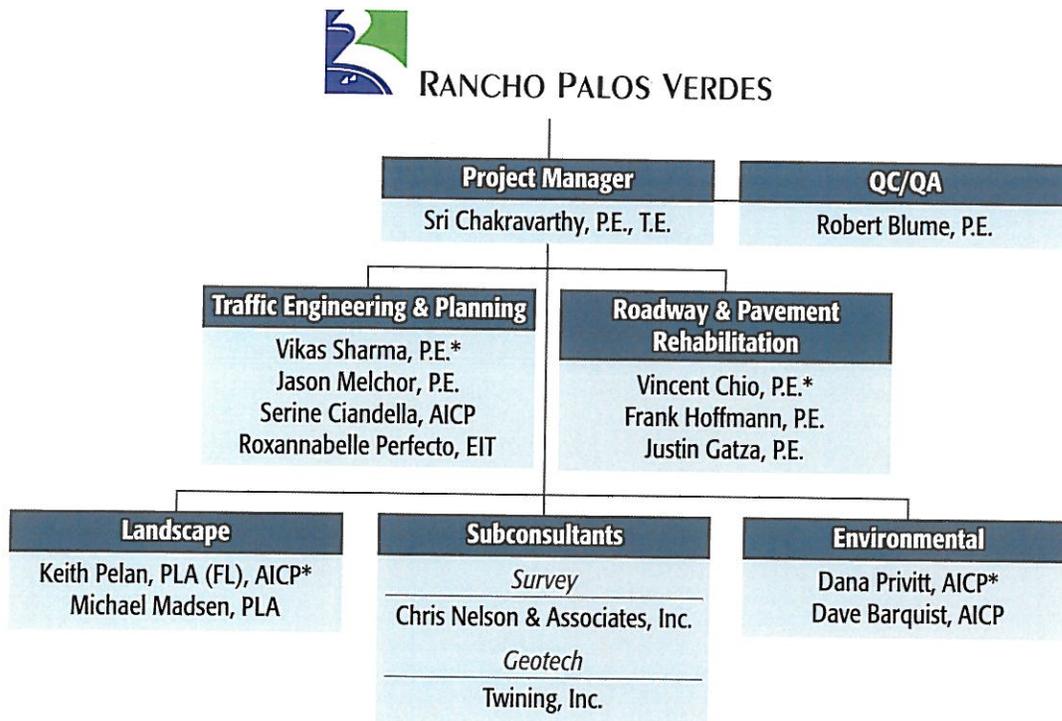
Kimley-Horn knows that when you choose a consulting firm, you are really choosing the people who will bring you technical expertise, hands-on experience with similar projects, and commitment to timely and high-quality deliverables and client service. As demonstrated in Section 2, the Kimley-Horn team has a history of successfully completing projects together and a proven track record providing each assignment focused attention regardless of size.

Our project team is unsurpassed in local knowledge and technical experience and has been structured to effectively provide strong support to the project manager on a variety of potential projects and work assignments pertinent to this contract.

The following organizational chart shows our proposed team members and their respective areas of expertise.

Resumes

Located in the Appendix section of this SOQ are the resumes of the Kimley-Horn team and our subconsultants, which expound upon each team member's area of expertise, qualifications, and relevant project experience.



**Task Leaders*



Statement of Qualifications for On-Call Traffic Engineering Services

B. Subconsultant Overviews

Chris Nelson & Associates – Survey (SBE)



As a corporation in business since 1993, Chris Nelson & Associates, Inc. (CNA) has successfully completed surveying and mapping projects in both the public and private sector. CNA is a qualified Land Surveying firm with several licensed surveyors available to provide surveying and mapping services for the City of Rancho Palos Verdes.

Their professional surveyors have over 100 years of combined experience with complex ROW determinations, road realignment, site surveys, topographic mapping, ALTA Land Title surveys, boundary analysis, 3D laser scanning, monitoring and numerous other surveying projects.

CNA can provide aerial mapping and remote sensory from acquired aerial imagery, airborne LIDAR and GPS technologies. They offer state-of-the-art technologies for aerial photogrammetric mapping, geospatial data processing, geometric processing, as well as conventional surveys.

CNA has provided surveying and mapping services to many state and local governments, including Caltrans, Metro, CA State Parks, the State of California, and the cities of Long Beach, Pasadena, La Canada, Malibu, Thousand Oaks, Moorpark and Agoura Hills. CNA has also provided services to large public interest projects such as the I-710, I-210, US 101, and SR 138 transportation projects. These experiences have helped shape CNA's methodology and flexibility to provide the client specified surveying and mapping in the format they need and can use for their specific project.

Safety is also at the forefront of all projects. CNA onsite personnel comply with Cal OSHA regulations, wear orange safety vests and safety shoes, and obey all safety rules and regulations at all times while working at the project site. Crews are trained and have HAZWOPER and Metro Safety Certifications.

CNA staff will be available for the duration of the project. They have multiple PLS surveyors, survey technicians, CAD drafts people and crew, and can ensure project continuity even in the event of the loss of key member(s). Thus, they will be able to support the project team quickly and efficiently for the mapping

and survey needs. Quality Assurance and Quality Control is also a top priority on all projects. All maps will be reviewed and checked throughout the project, and prior to delivery and release to the City of Rancho Palos Verdes.

Twining, Inc. – Geotech



For over 115 years, Twining has taken pride in its reputation for quality, reliability, and expertise in providing geotechnical engineering consulting, including design and construction, construction materials testing and construction inspection services.

As one of California's largest service providers, Twining has the in-house resources to meet the changing needs of complex construction projects. They employ some of the industry's most well-known construction material experts who perform research and consult with regulatory agencies to shape the future of construction standard practices.

The geotechnical team leaders at Twining are highly qualified with experience in geotechnical engineering design, analysis, and construction support. Twining's geotechnical engineering team experience includes design support for various facilities including Caltrans bridges and highways, hospitals, schools, water treatment facilities, and other public works facilities. They have the capability of performing the preliminary geotechnical site assessment and providing all geotechnical services necessary, including design support during development of project plans and specifications, to carry the project through completion of construction. Their experience shows that geotechnical engineering support and interaction with the design team during the development of construction documents yields the most efficient design and the least ambiguities during construction.



4. Proposed Hourly Compensation Rates

Kimley-Horn

Labor Classification	Hourly Rate
Clerical	\$75.00 - \$120.00
Technician/CADD Operator	\$85.00 - \$110.00
Analyst I	\$95.00 - \$120.00
Analyst II	\$105.00 - \$130.00
Professional I	\$130.00 - \$165.00
Professional II	\$150.00 - \$185.00
Sr. Professional	\$190.00 - \$235.00
Principal	\$220.00 - \$260.00

Billing Rates are reviewed yearly and are adjusted effective July 1 each year based upon market conditions.

Chris Nelson & Associates

As-Needed Survey and Mapping Services – Proposed Hourly Rates

Labor Classification	Hourly Rate
Office	
Principal in Charge	\$200.00
Project Manager	\$175.00
Project Surveyor / Engineer (PLS/PE)	\$150.00
Assistant Surveyor / Engineer	\$140.00
Photogrammetrist	\$150.00
Survey Technician / GIS Analyst / Researcher (LSIT)	\$125.00
Junior Surveyor / Engineer	\$95.00
CADD Technician	\$85.00
Surveying / Engineering Intern	\$75.00
Office Support / Clerical	\$70.00
FIELD	
1-Person Survey Crew	\$170.00
2-Person Survey Crew	\$275.00
3-Person Survey Crew	\$375.00
Apprentice	\$100.00

NOTES

- 10% mark-up allowed on all sub-consultant work.
- Reimbursable costs including but not limited to delivery or messenger charges, additional reprographic costs (beyond the scope of the contract), utility agency research fees, permits, title company fees, etc. shall be billed at cost to the County. Mileage is not reimbursable.
- Consultant shall submit invoices to the County on a monthly basis and be compensated accordingly.
- Rates are inclusive of all survey vehicles and conventional survey equipment and tools. If special equipment is needed, written pre-authorization from the project manager and contract administrator is required.
- Expenses for any special requests shall be at the discretion of the project manager and contract administrator.

Twining, Inc.

As-Needed Geotechnical Services – Proposed Hourly Rates

Labor Classification	Hourly Rate
Office	
Principal in Charge	\$165.00
Senior Project Engineer/Manager	\$145.00
Registered Geologist	\$145.00
Registered Civil Engineer, PE	\$140.00
Project Engineer/Manager	\$130.00
Staff Engineer/Geologist	\$105.00
FIELD	
Soils technician	\$99.00
Lab Manager	\$100.00
Lab Technician	\$75.00

These are 2014-2015 fees. Rates will be adjusted annually, each July 1st, to reflect increased costs.



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Sri Chakravarthy, P.E., T.E.

Project Manager

Sri has more than 12 years of civil and traffic engineering experience. Since beginning his career with Los Angeles County prior to joining Kimley-Horn, Sri has participated in a wide variety of traffic signal synchronization, ITS operations projects, and on-call traffic engineering services. His project management experience includes traffic signal operations, traffic signal design, traffic impact studies, roundabout design, corridor planning, signal justification studies, school safety studies, site specific traffic circulation and safety studies. He has also been involved with design aspects of roadway/ freeway widening and bridge projects. His key areas of expertise include traffic signal timing, signal design, ITS, transportation modeling, grant applications, and statistical analysis. Sri also has extensive knowledge of Synchro 8.0, CORSIM©, Traffix, Tru-Traffic, TransCAD 4.5, MicroStation, AutoCAD, and Systat 10.

Professional Credentials

- Master of Science, Civil Engineering, Louisiana State University
- Bachelor of Science, Civil Engineering, Kakatiya University, India
- Professional Engineer (Civil and Traffic) in California

Relevant Experience

Malibu On-Call Engineering Services, Malibu, CA – Project Manager. Kimley-Horn was originally selected to provide on-call traffic engineering services to the City of Malibu but the contract was later extended to civil engineering services based on Sri's performance. Under this contract, Sri is responsible for providing various services such as performing review of traffic control plans, traffic impact analysis reports, and safety studies; parking studies; conducting engineering and traffic surveys; feasibility/conceptual studies and reports and recommendations for preliminary, final and construction design studies; applicable subconsultant and engineering disciplines; preparation of construction plans, specifications and estimates; research of utilities and other records; collecting and analyzing traffic data; and participating in meetings with City staff associated with various development and improvement projects.

On-Call Engineering Services, Agoura Hills, CA – Project Manager. Kimley-Horn has maintained an on-call engineering services contract with the City of Agoura Hills for over five years. Sri serves as a City traffic Engineer for Agoura Hills and maintains his presence at the City Hall once a week. Kimley-Horn's services under this contract include performing review of traffic control plans, traffic impact analysis reports, and safety studies; parking studies; conducting engineering and traffic surveys; feasibility/conceptual studies and reports and recommendations for preliminary, final and construction design studies; applicable subconsultant and engineering disciplines; preparation of construction plans, specifications and estimates; research of utilities and other records; collecting and analyzing traffic data; and participating in meetings with City staff associated with various development and roadway/intersection improvement projects.

Washington Boulevard and National Boulevard Street Improvements, Los Angeles/Culver City, CA – Project Engineer. Kimley-Horn managed the development of street improvement designs in coordination with the City of Los Angeles, City of Culver City and Metro. Sri developed various improvements throughout the vicinity of this intersection including a new traffic signal at Washington Boulevard and Wesley Street, street widening along Wesley Street south of Washington Boulevard intersection to cul-de-sac previously improved as a part of Metro's Expo project, and a right-turn pocket along National Boulevard at Washington Boulevard. In addition, Sri also maintained coordination with Metro for the street improvement transition with Metro's above grade rail alignment and street level improvements including sidewalks and bike trail for the Expo project along National Boulevard.



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Sri Chakravarthy, P.E., T.E., continued

Ocean Park Blvd. Complete Green Streets Project, Santa Monica, CA – Project Engineer. Kimley-Horn provided construction plans, specifications, and cost estimates to complete the design of the Ocean Park Boulevard Complete Green Streets Project. As a project engineer, Sri assisted with developing improvements to the Ocean Park Boulevard corridor to provide connections between the neighborhoods on the north and south side of Ocean Park Boulevard and create an inviting environment for residents. In addition, Kimley-Horn designed watershed improvements to help reduce pollutants for urban runoff while also reducing the overall volume of stormwater runoff reaching Santa Monica Bay.

OCTA, On-Call Traffic Engineering Services, Orange County, CA – Project Manager. Kimley-Horn is providing traffic engineering services to improve and enhance signal timing and synchronization of the three corridors from the previous OCTA on-call traffic engineering services contract. Sri is managing all aspects of the project including data collection, field review, before-after studies, development and review of signal timing parameters, project related documentation and reporting, coordinating and scheduling meetings with participating agencies, managing subconsultant activities, and presentations to the OCTA board. Kimley-Horn has completed 2 projects recently under this contract and received excellent feedback from the Agency.

U.S. 101/23 Interchange PS&E, Thousand Oaks, CA – Project Manager. Kimley-Horn was responsible for traffic signal modification design at several interchanges on U.S. 101, preparation of pavement delineation plans, construction staging, traffic handling, and street lighting plans. Kimley-Horn was also responsible for attending progress meetings regarding traffic planning and design efforts. These meetings could be with City of Thousand Oaks staff, Caltrans, team members, VCTC, the County of Ventura or other. Other responsibilities include documenting project efforts to define our progress. This includes development of monthly invoices and summary written descriptions of our progress compared with our scope and schedule.

Evaluation of Traffic Signal Operations for Foothill Boulevard and Angeles Crest Highway, La Cañada Flintridge, CA – Project Manager. Kimley-Horn recently completed an operational and infrastructural assessment of the Traffic Signal System along two major arterials within the City. As a project manager Sri has been closely involved in this complex operational and system evaluation of densely packed traffic signals along Angeles Crest Highway and Foothill Boulevard which caused a system gridlock during AM and PM peak hours. Sri was responsible for developing recommendations for improving traffic flow and system enhancements to support current traffic patterns within the area. Sri made several presentations to the traffic commission and council members for obtaining their feedback on the proposed measures for mobility enhancements.

Other Relevant Project Experience

- **Culver Boulevard Realignment, Culver City, CA** – Project Engineer
- **Agoura Road Widening Project (Complete Streets), Agoura Hills, CA** – Project Engineer
- **U.S. 101 & Palo Comado Canyon Road PA&ED (at Cheseboro Road), Agoura Hills, CA** – Project Engineer
- **San Fernando Road Improvements, Santa Clarita, CA** – Project Engineer.
- **SR 138 PA&ED, North Los Angeles County, CA** – Traffic Engineer
- **27th Street/Bay Place Bikeway Feasibility Study, Oakland, CA** – Analyst
- **Read Road Bike Path Connector, Thousand Oaks, CA** – Project Engineer



Statement of Qualifications for
On-Call Traffic Engineering Services



Robert Blume, P.E.

QC/QA

Robert Blume has more than 30 years of experience in the study, design, and construction of transportation facilities within the Western United States. He has experience in a wide range of public works projects including roadways, bridges, signals, lighting, light rail facilities, airports, and buildings. He has completed civil site design including grading, paving, utilities, drainage, water pollution control and treatment, ADA compliance, and environmental mitigation. He has managed multi-discipline teams preparing studies, reports, and plans, specifications and estimates (PS&E) for a variety of projects ranging in size and complexity.

Professional Credentials

- Bachelor of Science, Civil Engineering, California State University, Chico
- Professional Engineer in California and Nevada

Relevant Experience

City of Lancaster Program/Project Management Services, Lancaster, CA – Project Manager. Kimley-Horn is providing program management for the Measure R “Highway Equity” projects for a 5-year contract term (December 2013 to June 2018). We are providing project management and project oversight throughout the life of Measure R capital projects, including preliminary planning, environmental clearance, final design, and construction. Kimley-Horn works closely with Caltrans District 7 offices, structures, and headquarters, and is responsible for implementing and executing project management controls including scope definition and scope control; project scheduling; cost estimating; financial and fiscal management; as well as developing monitoring reports and performing trend analyses to detect and rectify project delivery deficiencies. We also provide general project document control; development and review of invoices and reimbursements; and development of fact sheets, presentations and other reports and pertinent information. As an extension to City staff, Kimley-Horn represents the City, serving as a liaison to other agencies, consultants and the public.

SR 138 PA&ED, North Los Angeles County, CA – Project Manager. Kimley-Horn is leading a multidiscipline consulting team for the PA&ED of the improvements to the 36-mile corridor between I-5 and SR 14 in north Los Angeles County. Kimley-Horn is responsible for managing the PA&ED effort including coordination and management activities with Caltrans in completion of the Environmental Document (ED) and environmental technical studies. The Kimley-Horn team is responsible for completion of the Project Report (PR) and technical studies to support the preliminary engineering for the project. Our team is also responsible for developing an implementation and funding strategy for the identified improvements in the corridor.

SR-138 PSR (PDS) between 1-5 and SR 14, North LA County, CA – Project Manager for a PSR (PDS) to scope the ultimate corridor improvements for this 36-mile segment of a two-lane highway to an ultimate four-six lane Freeway/Expressway. Major property owners, Caltrans, LA County, and Metro were stakeholders and partners to complete this unique effort.

Santa Rosa Road Widening Project, Camarillo, CA – Project Manager. Kimley-Horn is providing Engineering Design Services for the Santa Rosa Road Widening Project, City of Camarillo, CA. The project is to widen southbound Santa Rosa Road between Via Latina and San Rafael Way to provide four vehicle lanes and bike lanes. The project includes retaining walls, sidewalks, curb & gutters, pavement, striping, signage, traffic control plans and related work to add vehicle and bike lanes to Santa Rosa Road. Kimley-Horn is responsible for geotechnical investigations, surveying and mapping,



Robert Blume, P.E., continued

right-of-way, utilities, public outreach, preliminary and final design and environmental coordination and permitting. This project is federally funded and needs to comply with the Caltrans Local Assistance Procedures Manual.

I-5 HOV and Truck Lane Project from SR 14 to Parker Road, North LA County, CA – Project Manager for the PA&ED of a 13.5-mile extension of HOV and Truck Lanes on I-5 through Santa Clarita in North L.A. County. This project included a public/private partnership (Caltrans and the Golden State Gateway Coalition) to advance the project through the preliminary engineering and environmental clearance. The project was completed on a fast track schedule to complete preliminary engineering/ Project Report and the ultimate EIR/ EA for the project within two years. Bob also assisted with the project transition to Caltrans for final design of the improvements. (PA&ED prior to Kimley-Horn, follow-on support at Kimley-Horn)

U.S. 101 & Palo Comado Canyon Road PA&ED, Agoura Hills, CA – Project Manager. Led Kimley-Horn in the preparation of the Project Approval/Environmental Documents (PA&ED) for Caltrans District 7, on behalf of the City of Agoura Hills, for the improvements to the Palo Comado Canyon Road Interchange at U.S. 101. The improvements will facilitate a traffic volume increase from new development, improve traffic flow from modifications to the non-standard interchange, and enhance safety. Palo Comado Canyon Road Bridge will be widened from one lane in each direction to two lanes, with sidewalk and median. Kimley-Horn assessed the proposed interchange alternatives including design features and challenges, which were addressed in the PA&ED.

I-215/Van Buren Blvd. PA&ED and PS&E, Riverside County, CA – QC/QA Review. Completed QC/QA reviews of portions of the PS&E for the I-215/Van Buren Boulevard Interchange project. Kimley-Horn also prepared the Project Report and Environmental Document on behalf of Riverside County with Caltrans District 8. The project includes new bridges over freeway and railroad, auxiliary lanes, railroad approvals and agreements, CPUC approvals, retaining systems, landscape, signals, lighting, utility relocation, right-of-way engineering, and aesthetics, constraints due to March Air Force Base perimeter requirements, traffic management, SWDR and Life-Cycle Cost Analysis.

Downtown Los Angeles Mobility Program (DLAMP), Los Angeles, CA – Project Manager for the study of highway improvements through downtown Los Angeles. The study developed a set of realistic improvements to provide congestion relief on SR 110, 101, and 10 through downtown Los Angeles. This project required close coordination with Caltrans District 7 traffic operations in initially screen the various alternatives. The work was completed for the DLAMP in cooperation with Caltrans. (prior to Kimley-Horn)

LA Metro, Expo LRT Project, Phase 2, Los Angeles, CA – QC/QA Review. Provided QC reviews of the plans prepared by Kimley-Horn and completed Inter-Discipline Reviews for Segment 3, Santa Monica. This project segment has a complex utility scenario within the street running segment along Colorado Avenue requiring extensive coordination. Over 1,200 utility conflicts were identified within the Stage A work.

Morning Drive State Route 178 Interchange and Widening, Bakersfield, CA – Principal-in-Charge for the preliminary studies leading to PA&ED of this new interchange and widening of SR 178. Completed 2004. (Prior to joining Kimley-Horn)



Vikas Sharma, P.E.

Task Lead: Traffic Engineering and Planning

Vikas has 10 years of progressive experience in traffic engineering, operations and transportation planning. His core areas of expertise include traffic signal synchronization and ITS applications. Vikas has worked on a variety of projects and has assisted with and managed several local agency programs including OCTA Signal Synchronization, SANBAG Tiers 3 & 4 and MTC PASS programs in the Bay Area. Besides traditional traffic engineering and operational studies, Vikas has completed pedestrian and bicycle planning studies, roundabout analysis, parking studies, accident modeling and traffic impact analysis. He is proficient in several key software packages including Synchro 8.0, VISSIM 6.0, Traffix, SIDRA, Tru-Traffic TS/PP 10.0, Limdep, AutoCAD and HCS. Vikas also provides traffic operations and modeling training to Kimley-Horn staff and public agency clients for operational analysis and microsimulation, primarily for Synchro 8 and VISSIM 6 software packages.

Professional Credentials

- Master of Science, Civil Engineering, Pennsylvania State University
- Bachelor of Engineering, Civil Engineering, Thapar University
- Professional Engineer (Traffic) in California
- Part-time faculty at California State University
- Instructor for VISSIM microsimulation training program

Relevant Experience

As Needed Engineering Services, Covina, CA – Project Manager. Vikas has been providing engineering support services to the City of Covina since 2014 and managed all contracts with the City to-date. Vikas has performed review of traffic studies, study scopes, collected traffic related data, conducted field visits and assisted the City staff with preparing grant application for Metro Transit Oriented Development program to secure funding for Town Center Specific Plan Update. Vikas assists the Director of Public Works with conducting field reviews and providing reviews for various development and improvement projects on a weekly basis.

On-Call Professional Engineering Services, Agoura Hills, CA – Deputy Project Manager/Project Engineer. As City Traffic Engineer, Vikas assists the Public Works staff with conducting review of development proposals, traffic control plans for roadway closures, and traffic studies submitted to the City for review. He also conducts field investigations, interacts and responds to resident’s queries and complaints and assists with the deployment of new traffic controllers and signal timing at key City intersections. Vikas also provides project management and engineering services for a variety of infrastructure and capital improvement projects and city programs/services.

On-Call Engineering Services, Malibu, CA – Deputy Project Manager/Project Engineer. Kimley-Horn was selected to provide on-call engineering services to the City of Malibu. As an extension to the City staff, Vikas assists with review of traffic control plans, traffic impact analysis reports, and safety studies; parking studies; conducting engineering and traffic surveys; feasibility/conceptual studies and reports and recommendations for preliminary, final and construction design studies; applicable subconsultant and engineering disciplines; preparation of construction plans, specifications and estimates; research of utilities and other records; collecting and analyzing traffic data; and participating in meetings with City staff associated with various development and improvement projects.

OCTA, On-Call Traffic Engineering Services, Orange County, CA – Deputy Project Manager/Project Engineer. Working parallel as an extension to OCTA staff, Vikas oversees all day-to-day activities of the project tasks including data collection, field review, before-after studies, development and review of signal timing parameters, preparing project related documentation and reports,



Vikas Sharma, P.E., continued

implementation, and fine-tuning of implemented timing. Vikas also assists with coordinating and scheduling meetings with participating agencies, managing subconsultants, and preparing presentations for the OCTA board. Kimley-Horn has completed two projects recently and received excellent feedback from the Agency. Vikas will be overseeing the monitoring phase of this project.

Evaluation of Traffic Signal Operations for Foothill Boulevard and Angeles Crest Highway, La Cañada Flintridge, CA – Project Engineer/Deputy Project Manager. Kimley-Horn recently completed an operational and infrastructural assessment of the Traffic Signal System along two major arterials within the City. Vikas was responsible for operational and system evaluation of the study area consisting of densely packed traffic signals and a major Town Center development along Angeles Crest Highway and Foothill Boulevard, which causes a system gridlock during AM and PM peak hours. Vikas assisted with developing recommendations for improving traffic flow and system enhancements to support current traffic patterns within the area. Vikas also participated in making presentations to the traffic commission and council members for obtaining their feedback on the proposed measures for mobility enhancements within the study area.

***SANBAG Tiers 3 & 4 Project, San Bernardino, CA** – Project Engineer. Vikas developed signal timing plans for over 250 signals for this project. He served as an area manager for traffic signals within the cities of Fontana, Ontario, and Rialto. He also deployed optimized timing into the traffic controllers for this project.

Other Relevant Project Experience

- ***Citywide Weekend Signal Coordination Project, Lancaster, CA** – Project Engineer
- ***Bicycle and Pedestrian Planning Study, Covina, CA** – Deputy Project Manager
- ***Citywide Signal Optimization Project, Palm Desert, CA** – Deputy Project Manager
- ***Citywide Inventory of ITS Equipment, Anaheim, CA** – Deputy Project Manager
- ***Left-Turn Warrant and Phasing Analysis, Irwindale, CA** – Deputy Project Manager
- ***General Plan and Environmental Impact Report, Upland, CA** – Deputy Project Manager
- ***University of Redlands South Campus Master Plan Parking and Circulation Analysis, Redlands, CA** – Deputy Project Manager
- ***University of Redlands Bicycle Parking Study, Redlands, CA** – Deputy Project Manager

**Vikas worked on these projects prior to joining Kimley-Horn*



Vincent Choi, P.E., LEED AP

Task Lead: Roadway & Pavement Rehabilitation

Vincent Chio has over 14 years of civil design and construction experience including planning, coordinating, designing, and drafting detailed engineering plans and specifications. He has worked on a wide variety of roadway and site development projects over the years and has an excellent understanding of the design elements of roadway, sanitary sewer, water main, storm drainage, and roadway improvements. Vincent's extensive construction experience allows him to produce design packages with emphasis on constructability and cost control. He has been responsible for writing, compiling, and completing engineering design reports, construction management reports, and final project reports according to local agency guidelines. He is also an active member and current board member of the ACEC Los Angeles County Chapter.

Relevant Experience

SR 138 PA&ED, Los Angeles County, CA – Project Engineer. Kimley-Horn is leading a multidiscipline consulting team for the PA&ED of the improvements to the 36-mile corridor between I-5 and SR 14 in north Los Angeles County. Vincent is responsible for managing the day-to-day PA&ED efforts including coordination and management activities with Caltrans in completion of the Environmental Document (ED) and environmental technical studies. The Kimley-Horn team is responsible for completion of the Project Report (PR) and technical studies to support the preliminary engineering for the project. Our team is also responsible for developing an implementation and funding strategy for the identified improvements in the corridor.

I-710 Study Project, AA, EIR/EIS, LA County, CA – Vincent was the technical lead for the project that proposed to effectively and efficiently accommodate regional and local north-south travel demands in the study area of the western San Gabriel Valley and east/northeast Los Angeles. The EIR/EIS includes four build alternatives: TSM/TDM, BRT, LRT and Freeway Tunnel. Vincent was responsible for the planning and preliminary engineering of the BRT Alternative, which includes a new BRT service with a distance of 12 miles serving five cities. Physical improvements include new bus lanes, new station with new shelters and other amenities, intersection and signal improvements, and streetscape enhancement along the alignment. He actively participated in project development team meetings and community outreach meetings with representatives from Metro, Caltrans, and Cities within the study area.

I-710 Sound Wall Early Action Project, Feasibility Study, NBSSR, Gateway Cities, CA – Deputy Project Manager. Vincent conducted a feasibility analysis for over 30 miles of sound walls considered for early action implementation. Improvements included new wall construction, retrofit of existing walls and aesthetic treatments. He developed an evaluation matrix that documents the criteria used in evaluating feasibility for early construction and coordinated with other discipline leads to address potential structural, drainage, geotechnical, and constructability issues associated with sound wall construction. The work resulted in LA Metro's decision to move project forward to PS&E in three construction packages. He also participated in project development team meetings and community outreach meetings with representatives from Metro, Gateway Cities and Caltrans.

Professional Credentials

- Masters Business Administration, Haas School of Business, University of California, Berkeley
- Bachelor of Science, Civil and Environmental Engineering, University of California, Berkeley
- Professional Civil Engineer in California #C64463
- 14 years of civil and transportation design experience on multidisciplinary infrastructure projects in Northern and Southern California
- Familiar with Caltrans Highway Design Standards, as well as Caltrans PID and PAVED processes



Vincent Choi, P.E., LEED AP, continued

I-680 HOV Direct Access Ramps Project PSR, PA/ED, San Ramon, CA – Engineering Lead. Vincent was responsible for development of conceptual and preliminary engineering for two built alternatives being considered for the proposed HOV Direct Access Ramps. Each alternative included construction of a new overcrossing, freeway widening, modifications to local roadways and construction of 1.8 miles of retaining walls. He coordinated with other discipline leads on various technical studies required as part of the Caltrans project development process. Vincent was responsible for obtaining approval from Caltrans on the PSR, PR, Design Exception Fact Sheets and other technical studies. He participated in project development team meetings with Contra Costa Transportation Authority, Caltrans, San Ramon and other stakeholders.

Water System Improvement Program - Sunol Valley Projects, Sunol, CA – Vincent was the Regional Traffic Engineer for a project that proposed to improve the Hetch Hetchy Regional Water Delivery System's reliability by repairing, replacing, and seismically upgrading the system's aging pipelines, tunnels, reservoirs, and dams. He prepared a regional traffic coordination plan to coordinate the multiple construction contracts issued by the San Francisco Public Utilities Commission in the Sunol Valley, and mitigate the anticipated traffic impacts due to construction activities. Vincent was responsible for updating the traffic plan on a quarterly basis which involved field reconnaissance and interviews with field personnel, program and construction managers.

Rail and Roadway Engineering, California High Speed Rail Project - Merced to Fresno Segment EIR/EIS, Central Valley, CA – Vincent was the Engineering Lead for the proposed 800- mile high speed train system in California (the first in the nation), and the Merced to Fresno segment is expected to be included in the first construction package. He developed alternatives for seven miles of track alignment in Fresno and provided engineering inputs to the environmental process. Vincent led a team of engineers and technicians in the delivery of 15% and 30% design packages for five miles of roadway realignment and two new roadway-rail grade separations on a highly compressed schedule to meet federal funding requirements. He also coordinated internally with roadway, drainage and structures task leads and externally with other segment designers. Vincent resented progress to the Client's Project Management Team at key milestones, and also Participated in public outreach meetings with CHSRA, PMT, and local representatives.

Other Relevant Project Experience

- **Santa Clara** – Alum Rock Bus Rapid Transit Project, San Jose, CA – Task Lead
- **Virginia Street Bypass Bridge Final Design, San Jose, CA** – Design Manager
- **I-680 HOV/Express Bus Project, Contra Costa County, CA** – Project Engineer
- **SR 12 (East) from I-80 to Rio Vista Bridge PSR, Solano County, CA** – Project Engineer
- **7th Street Grade Separation Project, Port of Oakland, CA** – Project Engineer
- **eBART Aerial Structure at SR 4/Loveridge Road Interchange Project, Pittsburg, CA** – Project Engineer
- **Calaveras Dam Replacement Project, Alameda and Santa Clara Counties, CA** – Project Engineer
- **California Park Hill Tunnel and Pathway Project, San Rafael, CA** – Project Engineer



Keith Pelan, PLA (FL), AICP

Task Lead: Landscape

Keith Pelan has 30 years of experience. As a project manager for the firm's planning group, Keith is responsible for site planning, approvals and permitting, and landscape architectural design for projects ranging from small retail, office, and residential to large commercial, and industrial developments. In addition, he plays a key role in the preparation of visual impact analyses and resource management plans. Before joining the firm, Keith served as an associate for a large multidisciplinary consulting firm, where he gained experience in all phases of land development. He is particularly adept at guiding projects through the design, review, and approval processes while ensuring that quality control and quality assurance procedures are thoroughly applied.

Professional Credentials

- Bachelor of Science, Architecture, University of Nebraska
- American Institute of Certified Planners
- Registered Landscape Architect in Florida
- Accredited Green Roof Professional

Relevant Experience

Morton Village Landscape, Los Angeles, CA – Landscape Architect. Kimley-Horn is providing a full complement of engineering and landscape architectural design services for this high-density residential project, which includes 18 new multifamily units and the rehabilitation of three California bungalows in the Echo Park neighborhood of Los Angeles. The project is located on an urban infill site which has more than 45 feet of relief. The project includes numerous retaining walls and includes an underground cistern for irrigation.

Rowena Townhomes, Los Angeles, CA – Landscape Architect. Kimley-Horn is providing a full complement of engineering and landscape architectural design services for this 33-unit multifamily project in the Silver Lake neighborhood of Los Angeles. The project is located on an urban infill site and includes an underground cistern for irrigation.

Agoura Road Widening Project (Complete Streets), Agoura Hills, CA – Landscape Architect. Kimley-Horn provided traffic design services for the Agoura Road project to accommodate increased traffic from new developments, improve traffic flow and safety, and implement improvements consistent with the Agoura Village Specific Plan and the guidelines of the 2007 California Complete Street Act (AB 1358). Consistent with these guidelines, the Agoura Road project scope of work includes the preservation of native oak trees; use of benches, accent paving, and lighting over the length of the roadway to provide continuity and unity; and modifications to storm drains and debris basins to promote green standards such as sub-surface bioretention and infiltration. The project is funded through Metro Measure R.

Yocky Field - Whaley Park (Phase 1 Improvements), Long Beach, CA – Project Manager. The City of Long Beach retained Kimley-Horn to design improvements to Yocky Field at Whaley Park for the Long Beach Pony baseball team. The project consists of demolition of all of the existing field fencing, dugouts, backstop and the field perimeter wall. The improvements will include a new backstop, field fencing, dugouts and dugout shelters, new bull pens, bike rack, flag pole, and a new field perimeter wall. Kimley-Horn's services include design of all improvements, structural design, plan check coordination and construction phase services. The project required coordination between Kimley-Horn, City of Long Beach Parks and Recreation Department, and representatives of Pony baseball. In an effort to complete the project during the baseball off-season, Kimley-Horn produced the design intent drawings for the project in two weeks and received over-the-counter plan check approval in one day.



Dana Privitt, AICP

Task Lead: Environmental

Professional Credentials

- Bachelor of Science, Social Ecology, University of California, Irvine
- American Institute of Certified Planners (AICP) # No. 9036
- American Institute of Certified Planners (AICP), Member
- American Planning Association (APA), Board Member
- California Planning Foundation, Friend of CPF
- California Preservation Foundation

Dana Privitt is an Urban Planner with more than 30 years of private-sector and public-sector experience that has focused on environmental analysis, project management, and planning documentation for multi-issue development and infrastructure projects. She has prepared California Environmental Quality Act (CEQA) documentation for large- and small-scale urban infill and greenfield developments; public infrastructure; and policy programs. She has provided public-sector support staff services, including staff report preparation, peer reviews, public presentations, and consultant selections. She also provides project management services to local agencies and private development applicants. Dana has also conducted CEQA training in coordination with the Association of Environmental Professionals (AEP), as well as for the City of Newport Beach and the University of California, Irvine (UCI).

Dana is privileged to serve on the American Planning Association (APA) Orange Section Board of Directors. As an active member of APA, she has served on Orange Section Board of Directors in several capacities throughout her career. At the local level, Dana is the current Section Director (she also held this position early in her planning career) and a member of the 2014 State Conference Committee. She has also held the positions of Vice Director of Administration and Finance, Programs Director, and Legislative Liaison. Dana has been a member of the APA State Legislative Review Team since 1995. As a representative of APA and the planning consulting community, she has participated in assessment panels for the Planning Accreditation Board's review of the UCI Master of Urban and Regional Planning Program.

Dana's tenure continues to allow her to work and collaborate with a diverse group of public and private planners, developers, and local governments. She has worked on many Environmental Impact Reports (EIRs) that were prepared under the threat of litigation and is pleased to say that none have been successfully litigated.

Relevant Experience

Newport Banning Ranch Environmental Impact Report (EIR) – Principal-in-Charge and Project Manager. Located in the City of Newport Beach and its Sphere of Influence, the 401-acre active oilfield is the last remaining large undeveloped coastal parcel in the City. The project would allow for the development of 1,375 residential dwelling units; 75,000 sf of commercial uses; a 75-room resort inn; and approximately 51 acres of public parks. Approximately 63 percent of the site would be in permanent open space including restored habitat, public trails, and consolidated oil production facilities. Roads would be extended through the site to provide a new north-south and east-west connections including access to West Coast Highway. The City Council approved the project and certified the Final EIR in July 2012. The project and Final EIR were litigated. In November 2013, the Superior Court of California upheld the adequacy of the Final EIR.

Sunset Ridge Park Environmental Impact Report (EIR) – Principal-in-Charge. Dana was the PIC of the EIR, which was prepared to address potential environmental impacts associated with the establishment of a public park in the West Newport area of the City of Newport Beach. As addressed in the EIR, the site would be developed with active and passive recreational uses, and an access road



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On-Call Traffic Engineering Services

Dana Privitt, AICP, continued

would be constructed from West Coast Highway to Sunset Ridge Park through the adjacent private Newport Banning Ranch property. The Final EIR was certified and the project approved by the City in March 2010. The EIR was challenged in April 2010 and its adequacy upheld by the trial court. The court's decision was appealed to the Fourth District Court of Appeal who also upheld the adequacy of the EIR. In March 2013, the California Supreme Court declined to review the plaintiffs appeal of the lower court's ruling. The project is under construction and is expected to be completed in late 2014.

The Ranch Plan Program Environmental Impact Report (EIR) – Co-Project Manager. Dana co-led this project for the 22,683-acre property located in unincorporated southeast Orange County. As approved, the project allows for the development of 14,000 residential dwelling units (including 6,000 senior housing units), 3.5 million square feet (sf) of urban activity uses, 0.5 million sf of neighborhood center uses, and 1.2 million sf of business center uses. Approximately 16,915 acres of the site will remain open space, and ranching activities will be retained within a portion of the open space area. The Final Program EIR was certified and this highly controversial project approved by the Orange County Board of Supervisors in 2004. Dana has continued to be a part of consultant team providing CEQA documentation for project implementation, including the preparation of addendums to address construction-level impacts.



Jason Melchor, P.E.

Traffic Engineering and Planning

Jason Melchor is a professional engineer with 17 years of experience in traffic engineering and transportation planning. He has worked with clients in Orange, Los Angeles, Riverside, and San Diego Counties to complete traffic impact studies and perform the technical analysis for a variety of transportation planning projects: parking studies, transit analysis, site plan reviews, and circulation studies. His traffic engineering experience includes traffic signal design, signing and striping, traffic control, and signal interconnect design plans. He has acted as in-house staff for the Cities of Irvine, Huntington Beach, and Moreno Valley to review development studies and design plans. In this role, he worked directly with developers and City staff to provide comments on plan and document submittals. Jason also has experience working with a variety of traffic engineering software programs and computer design packages.

Professional Credentials

- Bachelor of Science, Civil Engineering; Specialization in Transportation, University of California, Irvine
- Professional Engineer in California
- Orange County Traffic Engineering Council, Past President
- American Public Works Association

Relevant Experience

Expo Metro Line Construction Authority, Design of LRT Phase 2 (Stage B), Los Angeles, CA – Traffic Design Lead Engineer. Los Angeles' 15.2-mile Expo Line is bringing light rail transit to 19 stations that serve popular destinations from Los Angeles to Santa Monica. Kimley-Horn is providing roadway and traffic design for the Phase 2 portion of the line in the City of Santa Monica (about one-third of the total project). The Phase 2 portion stretches from Culver City to Santa Monica along a 6.6-mile corridor at an estimated cost of \$1.5 billion. By 2030, 64,000 riders will use the line to travel from Downtown Los Angeles to Santa Monica. Construction is scheduled to be completed in 2015. As part of the design, we converted parallel parking to angled parking in the business and residential areas along 7th, 9th, 10th, 12th, Euclid, 15th, and 16th Streets to account for lost parking spaces along Colorado Avenue to the light rail. Both striped and raised bulb-outs at intersections were evaluated for each street to shorten the pedestrian crossing areas. In addition, with the proposed light rail, Kimley-Horn is providing traffic signal timing coordination along Colorado Avenue to accommodate both the light rail and vehicular traffic.

City of Pasadena Pedestrian Safety Study – Project Manager. The City of Pasadena selected Kimley-Horn to complete a pedestrian safety study in the vicinity of the Playhouse District and a proposed office project located at 680 E Colorado Blvd. in Pasadena. The study is intended to evaluate multiple pedestrian pathway alternatives to and from the Playhouse Theatre and the proposed project's planned Pedestrian Plaza. The study will result in a report and presentation to the City Council that provides an assessment of several alternative improvements. The alternatives will be compared and contrasted based upon criteria that includes; safety, access, feasibility, cost, design and construction considerations. The report would include a full assessment of each alternative so that the City will have equal information about each alternative.

Other Relevant Project Experience

- **Seabiscuit Pacifica Specific Plan - Traffic Impact Analysis, Arcadia, CA** – QC/QA Reviewer
- **San Fernando Boulevard and Burbank Boulevard Intersection Improvements, Burbank, CA** – QC/QA Reviewer
- **ACE, Phase II Grade Separations PS&E, sub to Biggs Cardosa (Fullerton Road Grade Separation), City of Industry, CA** – Project Engineer



Serine Ciandella, AICP

Traffic Engineering and Planning

Serine is a senior transportation planner and project manager with more than 29 years of experience in transportation planning, traffic impact studies, parking evaluation studies, transportation demand management practices, and environmental impact projects. In performing these studies, Serine has worked effectively and successfully with community groups. She is very skilled in presenting issues and options on complex and controversial projects to a variety of audiences. Serine has extensive experience in analyzing traffic impacts and developing solutions for impact mitigation.

Professional Credentials

- Bachelor of Science, Mass Communications, Syracuse University, 1977
- American Institute of Certified Planners (AICP)
- American Planning Association (APA)
- American Institute of Certified Planners (AICP), Member
- American Planning Association (APA), Member
- Institute of Transportation Engineers (ITE), Associate Member
- Orange County Traffic Engineering Council, Past President

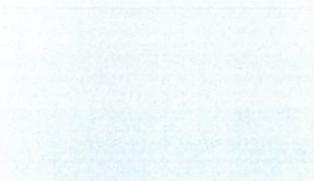
Relevant Experience

Anaheim As-Needed Transportation Planning and Traffic Engineering Services, Anaheim, CA – Project Manager. Kimley-Horn has provided transportation planning and traffic engineering services on dozens of projects under multi-year on-call contracts with the Planning and Engineering Departments in the City of Anaheim. Services provided have included preparation of parking studies and traffic studies for private development projects, as well as third-party review of parking and traffic studies prepared by others. We are currently in the middle of an eight-year on-call contract with the Department of Public Works – Engineering Department.

Cypress Circulation Element, General Plan Update, EIR and Traffic Mitigation Fee Update, Cypress, CA – Project Manager. Kimley-Horn prepared the technical analyses to update the Circulation Element of the City’s General Plan. Kimley-Horn developed a traffic analysis model to incorporate the impacts of land use changes associated with several alternatives, including the analysis required for incorporation into the circulation section of the EIR for the General Plan Update. The analysis and recommendation were developed to be consistent with the policies of all appropriate regional agencies and programs, including OCTA, South Coast Air Quality Management District (SCAQMD), and the Orange County Growth Management Program (OCGMP).

Martin Luther King Jr. Medical Center Master Plan, Los Angeles, CA – Project Planner. Kimley-Horn is providing civil engineering, transportation and parking services to Gensler and Los Angeles County for developing a 124-acre Master Plan anchored by the 42-acre Martin Luther King Jr. Medical Center campus, located in the Willowbrook area of Los Angeles County. The County has stated they desire a significant restructuring of the existing medical campus, in order to meet its responsibilities to provide services.

Circulation Element/General Plan Update and EIR - Irvine, Irvine, CA – Project Manager. Kimley-Horn was the traffic consultant member of the multi-disciplined team chosen by the City to evaluate and update the City’s General Plan. Using modeled data prepared by the City’s modeling staff, Kimley-Horn evaluated various land use and roadway alternatives for build-out of the City. One important focus of the effort was addressing varying housing intensities in selected planning areas throughout the City, and sizing the unbuilt and partially built roadways to accommodate the traffic demands of each alternative. We also assisted the City in developing a two-tiered impact threshold to address unique roadway conditions at select locations in the City.





Roxannabelle Perfecto, EIT

Traffic Engineering and Planning

Roxannabelle has three years of engineering design and CADD experience in traffic engineering, roadway design, and land development. Her experience includes traffic and intersection analyses, traffic control design, striping design, and street improvement design for both public and private sector clients.

Professional Credentials

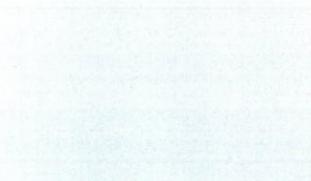
- Bachelor of Science, Civil Engineering, California State Polytechnic University, Pomona, 2013
- Engineer-in-Training (EIT) #150911

Relevant Experience

Burbank - Riverside Fiber-Optic Improvements, Burbank, CA – Analyst. This project involved the preparation of PS&E to construct fiber-optic communications along Riverside Drive from Buena Vista Avenue to Chavez Street at the City limit with Glendale. The project team conducted utility research and field investigation of the existing conditions and produced detailed base and design plans for the construction documents. Kimley-Horn also provided splicing details and communications diagrams for the City to tie in the Riverside Drive system with the Traffic Management Center at the City's maintenance yard. This project went out to bid in 2014.

OCTA - Newport Avenue North Traffic Signal Synchronization Program (TSSP), Orange County, CA – Analyst. As part of our On-Call Traffic Engineering Services contract, Kimley-Horn has been assisting OCTA with signal synchronization of 24 signals along Newport Avenue North. The project involves developing signal synchronization plans for the peak traffic conditions and provides several key upgrades along the corridor including communication network and signal systems. We are currently coordinating with OCTA, Caltrans, the City of Tustin, and the County of Orange to develop a communication plan for enhancing corridor operations. The project is in initial stages and is expected to be complete by end of 2015.

OCTA, Lake Forest Drive (task order C-2-1420 from On-Call), Orange, CA – Analyst. Kimley-Horn is providing on-call traffic engineering services to improve and enhance signal timing and synchronization for OCTA. The Lake Forest Drive project corridor was proposed for synchronization by the City of Laguna Hills as part of 2012 Project P corridors from Renewed Measure M (M2). The corridor is approximately two miles long, has 10 signalized intersections, and passes through the jurisdictions of Lake Forest, Laguna Hills, Irvine, and Caltrans. The agencies along these corridor use several different types of controllers, including type 170 C8, type 2070, Nema TS-1 and 2 by Econolite, and other manufacturers. The construction component of this project is complete and Kimley-Horn is currently developing optimized timing for the traffic signals for weekday AM, mid-day and PM peak conditions, as well as weekend peak conditions.





Frank Hoffmann, P.E.

Roadway & Pavement Rehabilitation

Professional Credentials

- Bachelor of Science, Civil Engineering, Fachhochschule Rheinland-Pfalz
- Professional Engineer in California and Arizona

Frank has more than 28 years of diverse experience in the civil design and construction management field. His expertise includes local, state, and federal projects working on roadway design and improvements, utility design, water resources, drainage design, and more. His responsibilities include project management, work plan preparation, cost estimating, contractor selection, scheduling and oversight, design specification development, resource allocation, technical and final report preparation and review, quality control, troubleshooting, negotiation/approval of field changes, and client relations. Frank has led the successful preparation of many PA&ED reports and PS&E packages with Caltrans.

Relevant Experience

Mulholland Highway Scenic Corridor, Calabasas, CA – QC/QA Reviewer. Kimley-Horn is providing engineering and design services for the Mulholland Highway Scenic Corridor. Aspects of the project include roadway widening, roundabout or traffic signal design pending community and Traffic and Transportation Commission input, pedestrian amenities, grading/drainage, roadway improvements, and median and parkway sections designed for future landscaping. The project's design is following guidelines set forth in the Mulholland Highway Master Plan. The segment of Mulholland Highway includes more suburban and commercial uses between Paul Revere Drive and Mulholland Drive and is mostly found within the City of Calabasas jurisdiction, with a small segment in the City of Los Angeles.

La Habra Harbor/Lambert Intersection Widening, La Habra, CA – QC/QA Reviewer. This project involves intersection widening at Harbor Boulevard/Lambert Road to provide additional traffic lanes on all approaches to the intersection in order to improve the Level of Service from "F" to "C" in the AM peak hour and "D" in the PM peak hour. This project will construct dual left-turn lanes on all approaches and right turn lanes on the northbound and southbound approaches. Additional right-of-way will be required from the northwest and southeast quadrants of the intersection. The project also involves traffic signal modifications, signing and striping, catch basin relocations, power pole relocations, construction of sidewalk access ramps, constructing and removing driveways and utility manhole and valve adjustments.

Williamson Valley Road Widening - Sidewinder Road to Pioneer Parkway, Yavapai County, AZ – Project Engineer. This project widened approximately 2.5 miles of roadway and involve 60 adjacent landowners. The project involved reconstructing an existing two-lane rural roadway to a five-lane urban section for a one mile segment, and a five-lane rural arterial section for the remaining length. The design entailed performing environmental studies and roadway design, including the accommodation of 23 driveways and 14 side roads. The design also included drainage and storm drain design, water and sewer design, utility relocations, rock blasting, retaining wall design, and traffic control, and construction phasing. Extensive public involvement was also a major element of this project.





Justin S. Gatza, P.E.

Roadway & Pavement Rehabilitation

Justin has more than three years of experience in supporting the design of multidisciplinary roadway and land development projects throughout Southern California. His technical skill allows him to support a wide range of projects, from local roadway improvements to major interchanges, grade separations, regional transportation projects, and private sector site development. His particular emphasis has been on street improvement design, grading and drainage, stormwater management, and utility design. In addition, Justin has extensive working knowledge of both of the major design softwares, AutoCAD Civil 3D and MicroStation/InRoads, and is able to efficiently utilize either software to support the overall design process.

Professional Credentials

- Bachelor of Science, Civil Engineering, California State Polytechnic University, Pomona, 2011
- Professional Engineer in California #83496
- American Society of Civil Engineers (ASCE), Member
- Structural Engineers Association of Cal Poly Pomona (Vice President 10"-11");
- California Geoprofessionals Association (student chapter) Chi Epsilon; Honors Fraternity; Tau Beta Pi

Relevant Experience

Expo Metro Line Construction Authority, Design of LRT Phase 2 (Stage B), Los Angeles, CA – Analyst. Los Angeles' 15.2-mile Expo Line is bringing light rail transit to 19 stations that serve popular destinations from Los Angeles to Santa Monica. Kimley-Horn is providing roadway and traffic design, specifications, underground utility modeling, and site civil engineering for stations for the Phase 2 portion of the line in the City of Santa Monica (about one-third of the total project). The Phase 2 portion stretches from Culver City to Santa Monica along a 6.6-mile corridor at an estimated cost of \$1.5 billion. By 2030, 64,000 riders will use the line to travel from Downtown Los Angeles to Santa Monica. Construction is scheduled to be completed in 2015. Kimley-Horn is providing the following services:

- Roadway design services
- Station civil design services
- Traffic engineering services

PS&E for San Fernando Class I Bikeway, Burbank, CA – Analyst. The San Fernando Bikeway is a three-mile Class I bike path in Burbank that runs parallel to the Union Pacific/MetroLink Valley rail line owned by the Metropolitan Transportation Authority. The project will be constructed primarily as a separate Class I bicycle path with a small portion (0.15 miles) consisting of a Class III bike route. Most of the path will be constructed in Metro-owned rail right-of-way adjacent to the current Union Pacific/MetroLink railroad right-of-way along with ½-mile stretch along Los Angeles County Flood Control Channel. Kimley-Horn was selected to prepare plans, specifications and engineer's estimates (PS&E); coordinate with regulatory agencies; coordinate with City staff in the preparation of the PS&E package; and provide bid support services for the San Fernando Bikeway Project.

SR 138 PA&ED, North Los Angeles County, CA – Analyst. Kimley-Horn is leading a multidiscipline consulting team for the PA&ED of the improvements to the 36-mile corridor between I-5 and SR 14 in north Los Angeles County. Kimley-Horn is responsible for managing the PA&ED effort including coordination and management activities with Caltrans in completion of the Environmental Document (ED) and environmental technical studies. The Kimley-Horn team is responsible for completion of the Project Report (PR) and technical studies to support the preliminary engineering for the project. Our team is also responsible for developing an implementation and funding strategy for the identified improvements in the corridor.



Michael P. Madsen, PLA, CLIA, CLARB

Landscape

Michael has more than 12 years of landscape architectural experience in master planning, streetscapes, site design, pool and amenity areas, planting and irrigation design, and the preparation of tree mitigation plans. His background includes coordinating multidisciplinary design projects involving landscape architecture, urban planning, architecture, civil engineering, roadway design, and transportation design. Much of his project experience has been within the private sector with a focus on retail, restaurants, healthcare, and multi-family housing developments. He has also worked on parks, streets and pedestrian thoroughfares, and transportation corridors within the public realm. Michael is a Certified Landscape Irrigation Auditor (CLIA), is member of the American Society of Landscape Architects (ASLA), and is Certified by the Council of Landscape Architectural Registration Boards.

Professional Credentials

- Master of Landscape Architecture, Landscape Architecture, University of Florida, 2005 Bachelor of Science, Business Administration, Florida State University, 2001
- Professional Landscape Architect (PLA) in CA and FL
- Certified Landscape Irrigation Auditor (CLIA)
- Council of Landscape Architectural Registration Boards (CLARB)
- American Society of Landscape Architects (ASLA), Member
- U.S. Green Building Council - National Capital Region, Member
- Miami-Dade County Urban Horticulture Committee

Relevant Experience

SANDAG/MTS Light Rail Transit (LRT) Renewal Project Blue Line Stations, San Diego, CA

– Landscape Architect. San Diego Association of Governments (SANDAG) and Metropolitan Transit System (MTS) is currently in the process of rehabilitating the MTS Blue Line corridor in preparation for low floor LRT operations. As part of this overall program, Kimley-Horn completed the Construction Documents for the implementation of improvements at 12 trolley stations along the MTS Blue Line corridor, from Barrio Logan to San Ysidro, which will achieve an 8" height between top of rail and boarding locations. As Kimley-Horn was responsible for the civil, track way, systems and urban design for the station reconstruction including the following elements: modifying the platforms from level (0") to 8" above top of rail, sitework for drainage and ADA accessibility, revisions to existing pedestrian connections, landscaping and utilities, urban design to include new station amenities (shelters, benches, pavement treatment, lighting, etc.), track and grade crossing replacement, and communication upgrades.

Coolidge Avenue Safe Routes to School, National City, CA

– Landscape Architect. Kimley-Horn is providing concept development and final design for the Coolidge Avenue corridor from E. 18th Street to E. 12th Street. This project is intended to create a safe and convenient opportunity for children (and adults) to bicycle and walk to school. The project will deliver pedestrian enhancement, traffic calming, reduce cut-through traffic, vehicle speeds, and collisions, revise the school entrance, circulation and parking, and provide a safer environment for all modes of travel. Kimley-Horn is designing bulb-outs, raised crosswalk, landscape improvements, street lighting, sidewalk, and ADA improvements throughout the corridor.

A Avenue Green Street, National City CA, National City, CA

– Landscape Architect. The transportation team at Kimley-Horn is working to design a Green Street along A Avenue between 8th Street and 14th Street through Kimball Park, to 16th Street. Kimley-Horn is providing grant assistance, preparing color concept designs and landscape pallets, and preparing construction plans, specifications, and OPCC for the City to review and comment. The project incorporates features such as curb extensions, crosswalk enhancements, lighting enhancements, landscaping and irrigation, a new gateway entrance into Kimball Park, and will incorporate many innovative and green design elements such as infiltration basins, permeable paving, and a rain water harvesting system.



Dave Barquist, AICP

Environmental

David has extensive public and private sector planning experience. His diverse range of skills includes regulatory policy, policy analysis, policy development, and urban design. He also has extensive experience in land use analysis, with a special emphasis in infill, mixed use, transit-supportive land use policy and development entitlement procedures. An expert in crafting local government policy, David brings a multi-disciplinary approach to meeting his clients' needs. He has managed numerous complex planning programs, including General Plans, Specific Plans and Development Code updates.

David has provided extensive policy and program analysis for local and regional Housing Elements, including constraints and resources analysis, housing needs assessments, conditions surveys, and housing affordability studies. He has completed numerous Housing Elements throughout the State of California. He was a substantial contributor to the City of Santa Ana's Housing Element, which was honored with an Outstanding Comprehensive Planning Award by the Orange County Chapter of the American Planning Association.

Professional Credentials

- Bachelor of Science, Urban and Regional Planning, California State Polytechnic University, Pomona
- American Institute of Certified Planners (AICP), #017304
- American Planning Association (APA), Member
- Society of College and University Planners (SCUP)

Relevant Experience

General Plans

- **Yorba Linda General Plan Update and EIR 2014** – Project Manager
- **Fullerton General Plan Update and EIR** – Project Manager
- **General Plan Update/Housing Element/EIR 2007, Artesia, CA** – Project Manager
- **Cerritos General Plan Update/EIR, Cerritos, CA** – Lead Project Planner
- **Cypress General Plan, Cypress, CA** – Project Planner
- **Glendora Community Plan, General Plan 2025, Glendora, CA** – Project Planner
- **2030 General Plan Update/PEIR, Lancaster, CA** – Project Planner
- **General Plan - Traffic Circulation, Air Quality and Noise, Community Design 2007, Stanton, CA** – Project Planner

Housing Elements

- **Anaheim Housing Element 2008, Anaheim, CA** – Project Manager
- **Lynwood Housing Element Update 2007, Lynwood, CA** – Project Manager
- **Housing Element 2008, Orange, CA** – Project Manager

Specific Plans

- **Festival Companies: Santa Fe Trail Plaza Specific Plan 2007, El Monte, CA** – Project Manager
- **Glendora Route 66 Corridor Specific Plan and Program EIR 2004, Glendora, CA** – Project Planner
- **Bardis & Allred Partnership: Land Use Plan, Los Alamitos, CA** – Project Manager
- **Downtown Sierra Madre Specific Plan 2005, Sierra Madre, CA** – Lead Project Planner

Paul C. Soltis, PE, GE, *Vice President, Chief Geotechnical Engineer*

Paul Soltis, PE, GE, brings over 21 years of technical expertise to Twining. His experience includes geotechnical investigations and analyses relative to the development of transportation, rail, landfill, airport and roadway, and water resource facilities. He has expertise in bridge foundation and pavement design support and investigations, including Foundation Reports and Materials Reports prepared in accordance with Caltrans requirements. His experience also includes geotechnical site investigations using cone penetration testing and hollow stem auger, mud rotary, air rotary, and bucket auger drilling. He has served Geotechnical Engineer of Record for several large hospital projects where he provided engineering oversight and design support during the construction phase of projects. His experience includes geotechnical engineering analyses for deep foundations, shallow foundations, and retaining walls, including bearing capacity, lateral capacity, static and seismic settlement. His focus is on interaction with the design team during development of construction documents to achieve the most appropriate foundation type and most efficient site preparation techniques.

Education

Bachelor of Science, Civil Engineering, 1993
California Polytechnic State University, San Luis Obispo

Master of Science, 2000
University of Colorado, Boulder

Registrations

Registered Civil Engineer, California PE 56140

Registered Geotechnical Engineer, California GE 2606

40-hour HAZWOPER Supervisor Certification

Project Experience

City of San Bernardino: Del Rosa Ave and Highland Ave, San Bernardino, CA: Twining provided pavement design recommendations on Del Rosa Avenue from Date Street to Pumalo Street and on Highland Ave from Golden Ave to Lawrence Street.

Both sections have alligator cracking and the City is wanting us to provide pavement design recommendations for overlay and reconstruction of the pavements. Mr. Soltis served as the senior geotechnical engineer for this project. Our team performed field exploration and pavement/materials laboratory testing. Mr. Soltis was in charge of reviewing the results and preparing materials and design recommendations for this project.

City of Simi Valley, Cochran Street Bridge Widening, Simi Valley, CA: Mr. Soltis provided senior geotechnical engineering oversight during the design of the bridge widening at the Llajas Creek overcrossing. Twining provided geotechnical field investigation in support of the design of bridge foundations consisting of cast-in-drilled-hole (CIDH) piles. The work was performed for the City of Simi Valley utilizing Caltrans design and construction standards. Investigation was performed in limited access conditions with the presence of active traffic and required coordination with County of Ventura Flood Control District.

State Street/Highway 101 Bridge, Santa Barbara, CA: Mr. Soltis served as staff engineer for geotechnical investigation and analyses for Foundation Report for new bridge over Highway 101 at State Street in Santa Barbara. Performed calculations and provided recommendations for CIDH piles and abutment foundations in older alluvial and bedrock materials. Additionally, He performed investigation and analyses for preparation of Materials Report for new pavements at bridge approaches.

City of Thousand Oaks, Norwegian Grade, Thousand Oaks, CA: Mr. Soltis served as senior geotechnical engineer on this landmark project. Twining performed an initial pavement evaluation. Based on this evaluation, our team completed a pavement design utilizing as much of the natural material as possible. We also performed slope stability analyses along portions of the narrow, restricted, hillside roadway. Pavement design activities included the performance of

falling weight deflectometer testing and services during construction included comprehensive quality assurance inspection and testing. We also provided on-site engineering solutions to support project needs that emerged during construction due to the special circumstances of this 100-year-old road.

Caltrans 710 Improvements: This project was extremely time-sensitive as Caltrans had only a 53-hour weekend window to perform the work and re-open the freeway. On this basis, Caltrans requested that Twining provide in-the-field geotechnical engineering oversight during the operations to provide on-the-spot recommendations for remediating the poor subgrade conditions, achieving compaction of the subgrade and base materials, and raising productivity. Twining provided a registered geotechnical engineer, Paul Soltis, to oversee the subgrade preparation and compaction of subgrade soil and aggregate base. Mr. Soltis worked closely with Caltrans and the contractor to quickly identify and delineate poor subgrade areas that would require remediation. Twining's input lead to more consistent, reliable compaction test results, hence increased productivity by eliminating time-consuming retesting and/or repairs of subgrade soil and base materials. With Twining's support, Caltrans and the contractor were able to achieve a stable, compacted platform as required within the highly demanding timeframe.



Contract Exceptions

Kimley-Horn has reviewed the sample On-Call Professional/ Technical Services Agreement and would like to discuss the following modifications to the indemnification to make this clause compliant with requirements of CA Civil Code 2782.8. We look forward to negotiating a mutually acceptable Agreement.

3.1 Indemnification

To the maximum extent permitted by law, CONSULTANT shall defend, indemnify, and hold the CITY, its officials, officers, employees, agents and independent contractors serving in the role of CITY officials, and volunteers (collectively "Indemnitees") free and harmless from any and all claims, demands, causes of action, costs, expenses, liabilities, losses, damages or injuries, in law or equity, to property or persons, including wrongful death (collectively "Claims"), in any manner to the extent arising out of, pertaining to, or relating to the negligence, recklessness or willful misconduct incident to any acts or omissions of CONSULTANT, its officials, officers, employees or agents in connection with the performance of this Agreement, including without limitation the payment of all consequential damages, reasonable attorneys' fees, and other related costs and expenses, except for such Claims arising out of the sole negligence, active negligence or willful misconduct of the Indemnitees. With respect to any and all such Claims, CONSULTANT shall reimburse the CITY for the costs of defense defend Indemnitees at CONSULTANT's own cost, expense, and risk and shall pay and satisfy any judgment, award, or decree that may be rendered against Indemnitees, but only to the extent finally determined percentage of liability based upon the comparative fault of the Consultant. CONSULTANT shall reimburse Indemnitees for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. CONSULTANT's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by CONSULTANT or Indemnitees. All duties of CONSULTANT under this Section shall survive termination of this Agreement.