

**Transmittal**

To Pam Mitchell, Administrative Staff Assistant Date June 12, 2015  
 Company City of Rancho Palos Verdes, DPW Project Number \_\_\_\_\_  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275-5391

Project Public Works / Engineering Services "On-Call" List

- We are transmitting: Via: For your:
- Per your request     Transparencies     Mail     Hand     Approval    X Please acknowledge
  - X Enclosed     Specifications     Overnight    X Federal Express    X Review and Comment     Please return enclosures
  - Under separate cover     Diskettes     UPS     FTP     Distribution     Please respond by:
  - Prints     CDs     Messenger     Fax     Information/Files

(No.) \_\_\_\_\_ If any enclosures are not as noted, please inform us immediately

Enclosures	Date
1      Statement of Qualifications for Engineering Services	June 11, 2015

Issued by:

Johnna Beeson, Marketing Coordinator  
 Psomas  
 555 South Flower Street, Suite 4300  
 Los Angeles, CA 90071  
 213.223.1535  
 Johnna.beeson@psomas.com

June 12, 2015

Pam Mitchell, Administrative Staff Assistant  
For  
Ron Dragoo, Principal Engineer  
Public Works Department  
**CITY OF RANCHO PALOS VERDES**  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, CA 90275-5391

**RECEIVED**  
**City of Rancho Palos Verdes**

**JUN 15 2015**

**PUBLIC WORKS DEPARTMENT**

Subject: **Statement of Qualifications to provide On-Call Engineering Services for Public Works Projects**

Dear Mr. Dragoo:

Psomas is pleased to submit our qualifications to provide services to the City of Rancho Palos Verdes. Psomas has been providing services to the greater Los Angeles County area for nearly seven decades, this means you'll not only get an experienced team, you'll also get one that knows how to work successfully together on projects. From management consulting assistance to the design of public works projects, Psomas has the breadth of experience to help agencies meet the infrastructure needs of their communities.

Psomas offers many benefits:

**Experience Delivering "On-Call" Projects for Public Works Agencies**

With years of professional experience as municipal engineers, Psomas' professional staff understands agency concerns and the way municipal business must be conducted to realize successful projects. Acting as an extension of your staff, Psomas contributes the full resources of a large multi-disciplinary firm. Similar experience providing on-call public agency services includes:

- County of Los Angeles, As-Needed Architectural and Engineering Design and/or Design Review Services, Department of Public Works, 2013-2015
- County of Los Angeles, As-Needed General Engineering Consulting Services, Department of Public Works, FY 2013-2014
- County of Los Angeles, On-Call General Engineering Consultant Services, Department of Public Works, FY 2010-2013
- County of Los Angeles, As-Needed Architectural and Engineering Design and/or Design Review Services, Department of Public Works, 2013-2015 (subconsultant with RNL Design and RAW International)

555 South Flower Street  
Suite 4300  
Los Angeles, CA 90071

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[www.psomas.com](http://www.psomas.com)

Mr. Ron Dragoo  
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June 12, 2015

- County of Los Angeles, As-Needed Harbor Engineering and Consulting Services, Department of Beaches and Harbors, FY 2013-2016 (subconsultant to CH2M Hill)
- Port of Los Angeles, On-Call Engineering Services, FY 2011-2016
- City of Los Angeles, On-Call Professional Services, Proposition O

Starting on **page 8** of our submittal you'll find detailed information on a few of our key projects.

**Successful Track Record of Schedule and Budget Performance**

Our firm develops engineering and management solutions based on innovative, yet practical, methods combined with leading-edge computer technology and information management systems. Recognizing the importance of completing projects on time and within budget, we are knowledgeable and advise early with respect to project issues that could potentially affect budget or schedule. We are flexible and can readily adjust work plans to meet evolving project constraints.

**Highly Qualified Personnel with Many Years of Engineering Design Experience**

Psomas' staff are highly experienced in their fields of expertise with many years of relevant experience. We are very proud that the majority of our key team members have been with the firm over 10 years. This equals a cohesive team that has worked together on many projects.

**Locally-Based Team means *Quick Response!***

Our team is entirely locally based — on purpose! In fact, the majority of our proposed key personnel live within a 20 mile commute from Rancho Palos Verdes. This means you'll get the staff you want, when you want them, and not have to wait for them to be repositioned from somewhere else.

We look forward to developing our relationship with the City of Rancho Palos Verdes. Should you have any questions, please do not hesitate to contact us; I can be reached at 213.223.1400.

Respectfully submitted,

PSOMAS



Michael J. Crehan, PE  
Vice President/Principal



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#### HEADQUARTERS

555 South Flower Street  
Suite 4300  
Los Angeles, California 90071  
213-223-1400

**Mike Crehan, PE**  
Vice President  
MCrehan@Psomas.com

## COMPANY OVERVIEW

Dedicated to balancing the needs of the natural and built environment, Psomas is ranked one of the top consulting engineering firms in the United States by Engineering News Record (ENR) magazine. We serve public and private sector clients in the transportation, water, site development, federal and energy markets.

The cornerstone of our business approach is to focus on the client's long-term needs and guide our strategic growth to meet those needs. Our core strength is our multi-disciplined teams of experts. Psomas' professional staff of industry leaders produces cost-effective and award-winning projects for our clients through a value added approach incorporating innovation, creativity, sustainability and cutting-edge technical expertise.

Our range of infrastructure experience includes roads and highways – both urban and rural, mass transit including light and heavy rail, water and wastewater pipelines and facilities including treatment plants, pump stations, water supply systems for municipal and site specific development and alternative energy installations.

Development project experience includes all aspects of community building from master-planning through construction documents and implementation. Our team has experience with both public and private projects ranging in scale from large master planned communities to in-fill urban redevelopment. Our track record of success includes sports venues and arenas, civic centers, education and healthcare campuses, resorts, downtown streetscapes and parks as well as all levels and types of residential, commercial, office and industrial development.

Our core values include the incorporation of sustainable land-use, fiscal and construction practices into all of our services. From designing sustainable water systems and removing pollutants from urban stormwater runoff, to site design for LEED certified projects, to our renewable energy practice, Psomas is at the forefront of the sustainable design movement. Psomas is a Charter Member of the Institute for Sustainable Infrastructure and our Chairman, Tim Psomas, serves as the Chair of this organization that emphasizes sustainable practices for civil infrastructure projects.

For over 68 years Psomas employees have dedicated themselves to developing innovative solutions to meet the current and future needs of an interconnected worldwide community.

## **SERVICES**

### **Site Development**

After nearly 7 decades of delivering successful projects to our clients, we understand your business – its demands, its challenges and its opportunities. Psomas offers a broad spectrum of sustainable civil engineering and site development services to public, private and institutional clients including education, healthcare, civic/municipal, federal and military, office/retail/ industrial, recreation, and residential.



### **Transportation Engineering**

Moving the world via advanced transportation solutions, our professional staff has been involved in each phase of the project delivery process from planning and conceptual design through final design. Whether it is funding, permitting, transportation planning and modeling, analysis, design or environmental constraints, leadership is the key ingredient that Psomas brings to the table to deliver transportation solutions.

### **Water and Wastewater**

From the delivery of municipal water supplies to wastewater and recycled water, our infrastructure experts offer creative, yet practical and comprehensive engineering solutions that are the key to project success. Our engineering expertise is combined with advanced computer information management systems to meet the critical demands faced today in management of wastewater, water and natural resources.

### **Stormwater**

Evolution of regulations stemming from the Clean Water Act have placed another layer of design considerations that effect the traditional storm water drainage analysis and design. Psomas has remained at the forefront of understanding the impacts of these requirements and continually strives for innovative and practical solutions to balance the needs of flood control, storm water quality and low impact development strategies.

### **Renewable Energy**

Psomas provides services for solar (photovoltaic) and wind projects throughout the Western United States. We help our clients meet their renewable energy goals by tailoring a solution to fit each site's unique energy demands and physical configuration.

### **Survey and Mapping**

Dramatic advances in technology have transformed the surveying profession and produced some very real advantages: increased productivity, a wider variety of services, a higher-quality work product, and creative solutions for clients. Psomas is at the forefront of these advances in surveying technology, diversifying beyond the standard survey services to include 3D laser scanning capabilities.



## Construction Management

Our Construction Management team of specialists provides services to the public and private sectors that range from staff augmentation on a short-term project to full construction management consulting services on major multi-year, infrastructure projects.

## Environmental Consulting

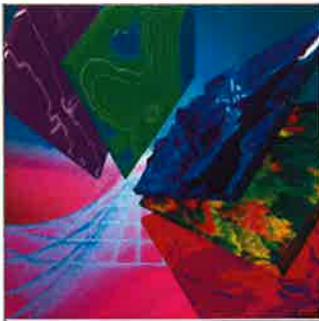
Psomas' Environmental Planning and Resource Management Group has the scientific expertise, field experience, and regulatory understanding and work with dynamic and complex environmental regulations. From environmental and project management services including CEQA/NEPA documents, permitting and regulatory compliance, to biological surveys and construction monitoring, we have gained the respect of the regulatory community and our clients by delivering high quality results in a timely manner.

## Geographic Information Systems

Our goal is to deliver value and enhance your operations through effective deployment of GIS technology. To maximize organizational effectiveness, we integrate GIS solutions such as web-based and mobile information access with asset management, infrastructure modeling, planning, permitting, and document management systems.

## Land Use Entitlements

Psomas comes on board at the earliest stage of development to help clients navigate the complex planning and zoning entitlement process to ensure project approval. You can rely on our deep understanding of the governmental process and the expertise of our land use entitlements team to obtain the approvals necessary to bring your project from the initial planning stages to market. Our reputation is built on relationships, depth of experience, and the zoning and subdivision regulatory knowledge of a diverse group of individuals.



## Special District Financing

The demand is growing for governmental agencies to increase public financing of municipal infrastructure and public services. Psomas has a staff of professionals dedicated to providing assistance to public agencies in the establishment and ongoing support of Special Financing Districts.

## OFFICE LOCATIONS

### California

#### Culver City

100 Corporate Pointe, Suite 265  
Culver City, CA 90071  
213.223.1400

#### Irvine

2 Executive Circle, Suite 175  
Irvine, CA 92614  
714.444.9199

#### Los Angeles

555 South Flower Street, Suite 4300  
Los Angeles, CA 90071  
213.223.1400

#### Oakland

505 14th Street, Suite 900  
Oakland, CA 94612  
510-588-8690

#### Pasadena

225 South Lake Avenue, Suite 1000  
Pasadena, CA 91101  
626.351.2000

#### Riverside

1500 Iowa Avenue, Suite 210  
Riverside, CA 92507  
951.787.8421

### Roseville

1075 Creekside Ridge Drive, Suite 200  
Roseville, CA 95678  
916.788.8122

### Sacramento

3550 Watt Avenue, Suite 140  
Sacramento, CA 95821  
916.979.7640

### San Diego

3111 Camino Del Rio North, Suite 702  
San Diego, CA 92108  
619.961.2800

### Santa Ana

3 Hutton Centre Drive, Suite 200  
Santa Ana, CA 92707  
714.751.7373

### Santa Clarita

28480 Avenue Stanford, Suite 200  
Santa Clarita, CA 91355  
661.219.6000

### Arizona

#### Phoenix

4600 E Washington Street, Suite 300  
Phoenix, AZ 85034  
602.222.8260

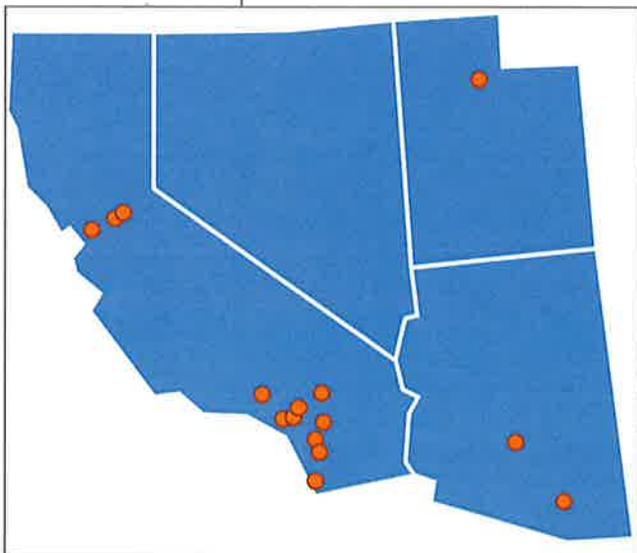
#### Tucson

333 E. Wetmore Road, Suite 450  
Tucson, AZ 85705  
520.292.2300

### Utah

#### Salt Lake City

4179 Riverboat Road, Suite 200  
Salt Lake City, UT 84123  
801.270.5777



## AWARDS

Psomas has received numerous awards from state and national professional organizations. In addition, our clients have received awards for projects on which we provided key services.



### **Colorado at Lake Project – Pasadena, CA**

2015 – Historic Preservation Award

### **South Los Angeles Wetland Park – Los Angeles, CA**

2013 – ACEC California, Engineering Excellence Awards >> Award of Honor

2010 – Community Conservancy Solutions >> Green Solution Project of the Year

### **Duchesne County Victory Pipeline Study – UT**

2013 – ACEC Utah, Engineering Excellence Awards >> Award of Merit

### **Provo and Orem Intermodal Centers – UT**

2013 – ACEC Utah, Engineering Excellence Awards >> Award of Merit

### **Circle Way Storm Drain – Orange County, CA**

2013 – ACEC Orange County Chapter >> Award of Excellence, Small Projects Category

### **Tanque Verde/Sabino Canyon Intersection Improvement – Tucson, AZ**

2013 – American Public Works Association (APWA), AZ state chapter >> Project of the Year

2013 – APWA, Southern AZ chapter >> Transportation Project of the Year, Under \$5 million

### **North Stockton Railroad Grade Separations – Stockton, CA**

2013 – APWA Sacramento Chapter >> Transportation Project of the Year, \$10-50 million

### **Richards Boulevard – CA**

2013 – APWA Sacramento Chapter >> Transportation Project of the Year, \$5-10 million

### **Cactus/Nason Street Improvements, Moreno Valley – CA**

2013 – APWA SoCal Chapter >> Transportation Project of the Year\*

### **Santa Monica Bay Low Flow Diversion Upgrades – Santa Monica, CA**

2013 – APWA SoCal Chapter >> Best Storm Water Quality Project

### **Santa Fe Irrigation District – Rancho Santa Fe, CA**

2013 – APWA San Diego/Imperial County Chapter >> Honor Award, Utilities \$2-5 million

**Tahoe City Transit Center – Tahoe City, CA**

2013 – APWA National >> Public Works Project of the Year, Structures Under \$5 million\*

2013 – APWA Sacramento Chapter >> Public Works Project of the Year, Structures \$2-5 million\*

2013 – Caltrans Excellence in Transportation >> Intermodal Transportation Category\*

2013 – American Institute of Architects (AIA) >> Small Project Award\*

**Brewer Road Bridge Replacement Projects – CA**

2013 – CMAA Northern California Chapter >> Project Achievement Award, Transportation Under \$10 million

**Bakersfield US Federal Courthouse – Bakersfield, CA**

2013 – ENR California (magazine) >> Best Projects 2012, Award of Merit

**California Water Service Company Emergency Notification Application (GIS services) – CA**

2013 – National Association of Water Companies – 2012 Management Innovation Awards, First Prize\*

**WRCOG Sustainability Framework – CA**

2013 – ULI Orange County/Inland Empire's Sustainable Communities Initiative Council >> "BoB" Awards (Best of the Best), Vision Award\*

**California Water Service Company Emergency Notification App – CA**

2012 – National Association of Water Companies >> Management Innovation Awards, First Prize\*

**Vineyard Surface Water Treatment Plant – Sacramento County, CA**

2012 – Construction Management Association of America (CMAA), Northern CA Chapter >> Project Achievement Award Projects Over \$100 million\*

2012 – American Society of Civil Engineers (ASCE), Sacramento >> Water Treatment Project of the Year

**I-19 at Canoa – Green Valley, AZ**

2012 – APWA, AZ state chapter & Southern AZ Branch, Projects of the Year, both \$5-\$25 million

2011 – Roads and Bridges Magazine >> #2 in Top Ten North American Roads Projects of the Year

**I-5 Gateway – Orange County, CA**

2011 – California Transportation Foundation (CTF) >> Project of the Year, Freeway/Expressway Category\*

\* Award presented to client





SECTION

2

## Project Experience

### **PUBLIC WORKS GROUP**

From management consulting assistance to the design of public works projects, Psomas has the breadth of experience to help agencies meet the infrastructure needs of their communities. Our firm develops engineering and management solutions based on innovative, yet practical, methods combined with leading-edge computer technology and information management systems. With years of professional experience as municipal engineers, Psomas' professional staff understands agency concerns and the way municipal business must be conducted to realize successful projects. Acting as an extension of your staff, Psomas contributes the full resources of a large multi-disciplinary firm.

#### **Public Works Services**

##### **Engineering Planning and Design**

- Feasibility studies
- Project reports
- Capital improvement master plans
- Design surveys
- Planning and engineering design services
- Right-of-way engineering and mapping

##### **Management Consulting**

- Assistance in enhancing delivery of services
- Setting up and managing of public works and community development programs
- Management of public works engineering projects
- Finance programs
- Information management and technology services and custom GIS applications



## Construction Services

- Construction observation and contract administration
- Construction surveys
- Value engineering/analysis
- Constructibility reviews
- Construction mitigation monitoring
- Public information programs

The following projects demonstrate the strength of the Psomas' Team and that Psomas is the firm with the depth and breadth of professional expertise required to fulfill goals, obligations and deliverables of projects with our trademark high level of personal service.

## Key Public Works Projects

### Palos Verdes Estates

#### Phases I and II

The City of Palos Verdes Estates identified 33,000 LF of sanitary sewer pipelines to be rehabilitated or replaced as part of the planned sanitary sewer improvements. Preliminary investigation by the City indicated that these pipes needed to be repaired by trenchless lining methods with point repair, where necessary, or replaced with a larger size to meet the maintenance requirements of the Los Angeles County Department of Public Works (LACDPW).

Psomas assessed the condition of the pipe segments by reviewing video logs and prepared the design drawings and specifications for the rehabilitation. Psomas provided construction inspection during the implementation of the project.

Psomas has developed a data collection and management system that provides information on the condition of each pipe segment and the rehabilitation method applied to that segment. Psomas also conducted a comparative cost analysis for point-repair and trenchless technologies for each pipe segment. This analysis provided the project owner information regarding selection of the rehabilitation method.

To help minimize construction costs, Psomas' contract documents allowed the contractors to propose the trenchless technology of their choice, as long as it was one of the few technologies acceptable to the City. This resulted in competitive pricing between various technologies to the benefit of the project owner.

#### Phase III

Following Psomas' successful completion of the first two phases of this sewer rehabilitation program, the City of Palos Verdes Estates retained Psomas to prepare construction documents for Phase III of the program, which included another 50,000 LF of sanitary sewer pipelines to be rehabilitated or replaced as part of the planned sanitary sewer improvements. Work efforts in Phase III were identical to the previous two phases.



## Palos Verdes - Waleria Drain

Psomas was selected by the Los Angeles County Department of Public Works to provide engineering design services for Palos Verdes - Waleria Drain. The Palos Verdes - Waleria Drain is located in the City of Torrance and consists of approximately 14,000 LF of storm drain pipe ranging from 30-inch to 78-inch in diameter. Several existing storm drains along the alignment were left in service and used to convey storm flows. To accomplish this, hydraulic flow splits were designed to route the proper amount of flow into the existing and proposed systems. Some portions of the existing storm drain systems were substandard and needed to be improved through trenchless technology retrofit methods. Methods analyzed included pipe jacking, pipe bursting using fused HDPE pipe, slip-lining, and installed cast-in-place pipe liner.

The project required close coordination with the City of Palos Verdes Estates, since connection points needed to be provided for the proposed MTD 1495 storm drain that will be designed and built under a separate contract administered and funded by that City.

Psomas provided topographic survey, storm drain and sanitary sewer plans, hydraulic and structural calculations, and technical specifications and estimates for this project.

## County of Los Angeles, As-Needed General Engineering Consultant Services, Department of Public Works, FY 2010-2013

Psomas was selected the County of Los Angeles DPW to provide As-Needed Engineering Consulting Services. Below are the tasks that have been assigned to Psomas:

- **Road Maintenance District 3 Yard Gas Line Replacement Project:** RMD3 experienced leaking natural gas pipes within the existing yard building and within the pipe network between seven on-site building. Prepared a rough layout of the proposed gas lines to avoid existing utility conflicts. Alternatives were proposed to evaluate the costs and merits of each alternative before a final route was selected.
- **Fire Department Septic System Assessment Project:** Prepared engineering reports to assess the condition and provide recommended improvements for existing fire station on-site wastewater treatment system (OWTS) at 33 locations within the County.
- **Fire Department Potable Water Refurbishment Project:** Prepared engineering reports to review prior assessment reports, assess the current condition, and provide recommended improvements for existing potable water systems at five fire camps and stations within the County.
- **Department of Health Services, Administration Building Water Intrusion Mitigation Study:** The project involved review of existing available data, site visit, and an initial findings report in an effort to determine the cause and potential remedy. The cause of the leak was determined early, allowing the budget and schedule to be cut roughly in half.
- **Point Dume Beach Parking Lot and Storm Drain Repairs Project:** Prepare engineering plans for the first phase reconstruction of an existing storm drain and beach parking lot located at Point Dume Beach in Malibu.



- **Mira Loma Detention Facility Study:** Psomas provided services evaluating two existing wells located at the former Mira Loma Detention facility located in Lancaster at the intersection of West Avenue I and West 60th Street. The County would like to determine the condition of two wells and contracted with Psomas to conduct a preliminary inspection of the wells and assess whether the wells could, and should be videologged without extraction of the pump assemblies. Psomas' scope include review of materials and on-site inspection of the two wells, and provided a letter report on the condition.

### **County of Los Angeles Department of Public Works (LADPW) / Water Resources Division (WRD) Facilities Group**

The County of Los Angeles Department of Public Works (LADPW) selected Psomas as one of their consultants to provide on-call engineering design services to their Water Resources Division (WRD) Facilities Group. Project types under this four year contract include preparing design plans that address grading, ingress/egress, drainage, fencing, small dam, and landscaping, drainage, conducting geotechnical borings and analysis, and hydrology analysis. The final desired outcome is an updated ultimate fill plan and/or the development of interim fill plans for LADPW's 16 active Sediment Placement Sites (SPS), evaluating possible new SPS locations and improving capacities of existing debris basins.

### **City of Signal Hill**

Psomas was chosen by the City of Signal Hill to provide public works inspection and administration on a continuous basis for City projects. Projects include the following:

- **Willow Street Grind and Overlay Project:** Street improvements for this 6-lane arterial includes reconstruction of the median for addition of left turn lanes, landscape and irrigation improvements, removal and replacement of curb, gutter and sidewalks, traffic signal modifications, and modification to the storm drain system.
- **Bixby Ridge Street Improvements:** Street improvements for this arterial includes removal and reconstruction of the pavement section, relocation of electrical and oil lines, landscape and irrigation improvements, removal and replacement of curb, gutter and sidewalks, traffic signal modifications, and modification to the storm drain system.
- **Signal Hill East Village Street Improvements:** Street improvements for this street includes removal and reconstruction of the pavement section, landscape and irrigation improvements, removal and replacement of curb, gutter and sidewalks, traffic signal modifications, and modification to the storm drain system.
- **Community Services Building Renovation:** The existing community services building is being remodeled to replace structural damage and expand the building. Part of the renovation includes replacing all electrical wiring, stairs and access ramps, the stage area, floors, irrigation and landscaping.



### **Tramonto/Castellamare Landslide**

Psomas was responsible for coordination and oversight of design survey, civil engineering, natural resources, and construction observation of repair of an existing landslide in Pacific Palisades hillside areas between Tramonto Drive and Castellammare Drive. Grading Plans, Drainage Plans, Public Works Plans and DWP Power relocation coordination were required to prepare for this 53 unit residential development. Relevance to this project – Psomas prepared Grading Plans and related documents to remove approximately 166,000 CY of landslide material, install shoring and major retaining walls, backfill with soil cement and construct new private driveways, within the coastal area of the City of Los Angeles.

### **Mount Wilson Toll Road Repair**

Psomas provided the survey, mapping, and civil engineering plan production for the repair of four segments of the Mount Wilson Toll Road, a County of Los Angeles fire access road, in the Los Angeles National Forest that was washed out in heavy rain events. Slope repair consisted of grading, storm drainage, gabion wall, and option for either geogrid reinforcement or Hilfiker Reinforced Soil (MSE) system. At the base of the slope an existing blue-line stream exists and proper erosion control measures were taken to protect the stream from potential sedimentation. Relevance to this project - Psomas prepared a grading plan and related documents to reconstruct an existing road which had failed due to landslide, within land owned by the County of Los Angeles.

### **Crane Maintenance Building, POLA Directive 4 Berth 142**

As part of Psomas' 2010 On-Call Engineering Services with the Port of Los Angeles, an additional directive was awarded for Berth 142 Crane Maintenance Building. With the opening of the Panama Canal expected in 2015 and pressure from alternative ports to operate elsewhere, POLA is taking action to implement more efficient goods movement facilities for their vendor TraPac. The Psomas team custom-designed building and site will support the automated cargo container carriers, which are essentially a fleet of robots that have been implemented at only a few locations in the world.

Psomas services include program verification, project management and civil engineering. Psomas was selected because of our vertical project experience. The project construction of the 5,000 SF Crane Maintenance Building will allow for maintenance of two 45 ft high automated shuttle carriers, space for pre-fabricated offices, restrooms, parts and storage, and a machine shop facility.



SECTION

3

## Team Resumes

### KEY STAFF

We are a group of professionals who enjoy working together — and it shows.

Psomas recognizes that the success of a project depends heavily on staff capabilities, effective project management and communication. We assure you that the appropriate talent and physical resources are committed to every project. The key personnel of our project team are highlighted on the following pages with their resumes.

## Michael Crehan - PE

Vice President / Principal-in-Charge



### REGISTRATION

1994 / Professional Engineer /  
48944

### EDUCATION

1981 / BS / Civil Engineering /  
California State University, Los  
Angeles

### PROFESSIONAL AFFILIATIONS

American Council of Engineering  
Companies (ACEC)

Asian American Architects /  
Engineers (AAAE)

Central City Association (CCA)

Los Angeles Area Chamber of  
Commerce

Construction Management  
Association of America (CMAA)

Harbor Association of Industry  
and Commerce (HAIC), President  
(2015)

Los Angeles Business Council  
(LABC)

Move LA

USC Architectural Guild

Mr. Crehan, a Vice President and Principal of Psomas, has 25 years of comprehensive civil engineering experience with both public and private entities including infrastructure studies, plan preparation, program management, and project management. He is very knowledgeable of Los Angeles County standards having completed dozens of projects in the region over the years. He is currently the Principal-in-Charge of Psomas' current As-Needed General Engineering contract with the County of Los Angeles Department of Public Works and Port of Los Angeles.

### Experience

**County of Los Angeles, As-Needed Harbor Engineering and Consulting Services, Department of Beaches and Harbors, FY 2013-2016:** Principal-in-Charge consulting with CH2M Hill to provide civil engineering services for capital improvement projects in Marina del Rey and for County operated beaches.

**County of Los Angeles, As-Needed Architectural and Engineering Design and/or Design Review Services, Department of Public Works, FY 2013-2015:** Principal-in-Charge to provide civil engineering services for various projects on the as-needed contract as a subconsultant to RNL Design and RAW International.

**County of Los Angeles, As-Needed General Engineering Consultant Services, Department of Public Works, FY 2010-2013:** Principal-in-Charge to manage and review multiple County of Los Angeles projects on an as-needed basis through the Department of Public Works Architectural Engineering Division. Tasks that have been assigned to Psomas to date (Dec 2012) include:

- Road Maintenance District 3 Yard Gas Line Replacement Project
- Fire Department Septic System Assessment Project
- Fire Department Potable Water Refurbishment Project
- Department of Health Services - Administration Building Water Intrusion Mitigation Study
- Point Dume Beach Parking Lot and Storm Drain Repairs Project
- LEED Commissioning of Buildings at Belvedere County Park
- Mira Loma Detention Facility Study

**County of Los Angeles, Mount Wilson Toll Road, Pasadena, CA:** Principal-in-Charge for the civil engineering plan and the repair of four segments of the toll road and a fire access road in the Los Angeles National Forest that was washed out in heavy rain events. Slope repair consisted of grading, storm drainage, gabion wall and a reinforced soil system. Proper erosion control measures were taken to protect the existing downhill blue-line stream from potential sedimentation. Project schedule was accelerated to meet the County Fire Department desired construction schedule.

**County of Los Angeles, Lifeguard Rescue Boat Headquarters, Marina del Rey, CA:** Principal-in-Charge managed the preparation of a civil engineering feasibility study for the proposed construction of a new headquarters building. The building is proposed above the water and within the Marina del Rey headwall. Psomas provided conceptual grading, utilities, and environmental permitting as part of this report.

**I-405 at Jefferson North-and South-Bound On-Ramps, Los Angeles, CA:** Project Manager for the widening and reconfiguration of the northbound and southbound on-ramps, widening and reconfiguration of Jefferson Boulevard under the freeway overpass, and related improvements including retaining walls, re-signalization, new street lighting, new and reconfigured signage, new and reconfigured pavement delineation, new landscaping, and new and reconfigured pedestrian access. Services included preliminary design, technical portions of the environmental documents, PSR, and PS&E documents. The project included a significant percentage of night work due to the heavy traffic volumes at this interchange.

**Playa Vista Master Plan Development, Los Angeles CA:** Project Director and Engineering Coordinator responsible for comprehensive engineering to support development of the 1,087-acre, mixed-use community. For 14 years his duties include specific design and general coordination of all design issues pertaining to the development. Mr. Crehan was responsible for coordinating the efforts of a wide array of engineering, surveying, and planning teams in the Playa Vista project. During this project Mr. Crehan prepared or was responsible for the preparation of hundreds of Public Works and Building and Safety plans for streets, storm drains, sewers, water, recycled water, street lighting, signing and striping, signals, and grading.

**CRA/LA Pacoima Town Center Streetscape Improvement Project, Pacoima, CA:** Through an on-call contract with the Community Redevelopment Agency of Los Angeles, as Principal-in-Charge, Mr. Crehan is responsible for overseeing a design effort to integrate sustainable street elements into a streetscape improvement project in the San Fernando Valley. Psomas led a design development effort for a 1.4 mile length of Van Nuys Boulevard and a 0.5 mile length of San Fernando Road in Pacoima to be upgraded with a variety of sustainable and livable streetscape features. Coordination with the Business Improvement District (BID), the County of Los Angeles Health Department, and the City of Los Angeles led to a streetscape design to improve travel and safety for pedestrians and bikers.

**NBC/Universal Evolution Plan, City and County of Los Angeles, CA:** Project Manager responsible for the engineering aspect of the redevelopment of the backlot and off-site traffic improvements for this major redevelopment to create a mixed-use residential community. He evaluated a unique signature series of streetscape themes and criteria to take advantage of the spectacular views available, and the character and history of the Universal Studios back lot. Mr. Crehan provided coordination and direction in the physical and regulatory criteria to allow agency acceptability and address geometric and safety needs.

## Andrew Nickerson - PE, LEED, QSD/QSP, ENV SP

Associate / Senior Project Manager



### REGISTRATION

Professional Engineer / CA /  
#56808

LEED

2011/ QSD / QSP/ CA / #01270

2013 / ENV SP / CA

### EDUCATION

1996 / MS / Civil Engineering,  
University of California, Irvine, CA

1992 / BS / Civil Engineering,  
Columbia University, NY

1991 / BA / Physics, Holy Cross  
College, MA

### PROFESSIONAL AFFILIATIONS

ACEC Los Angeles Chapter,  
President and Board Member

Los Angeles Headquarters  
Association, Board Member

County of Los Angeles  
Environmental Review, Board  
Member

Andrew Nickerson has 20 years of experience providing design and analysis of public works, commercial, residential, and institutional development projects. Services provided include project management, EIR preparation, grading, site utilities, hydrology and hydraulic studies/reports, geometric road design, engineering research/reports and quantity/cost estimate preparation. Andrew is Psomas' Senior Project Manager for the County of Los Angeles As-Needed Engineering contract managing upgrades to the County's Road Maintenance Division facilities, scoping and evaluation of the County's Fire Station facilities, research and evaluation of the County's Health Administration facilities, and upgrades to the County's stormdrain system. The County Project Managers found Mr. Nickerson's efforts on these projects to be highly responsive and thorough.

### Experience

**County of Los Angeles, As-Needed Harbor Engineering and Consulting Services, Department of Beaches and Harbors, FY 2013-2016:** Project Manager consulting with CH2M Hill to provide civil engineering services for capital improvement projects in Marina del Rey and for County operated beaches.

**County of Los Angeles, As-Needed Architectural and Engineering Design and/or Design Review Services, Department of Public Works, FY 2013-2015:** Project Manager to provide civil engineering services for various projects on the as-needed contract as a subconsultant to RNL Design and RAW International.

**County of Los Angeles, As-Needed General Engineering Consultant Services, Department of Public Works, FY 2010-2013:** Project Manager to manage and review multiple County of Los Angeles projects on an as-needed basis through the Department of Public Works Architectural Engineering Division. Tasks that have been assigned to Psomas include:

- Road Maintenance District 3 Yard Gas Line Replacement Project
- Fire Department Septic System Assessment Project
- Fire Department Potable Water Refurbishment Project
- Department of Health Services - Administration Building Water Intrusion Mitigation Study
- Point Dume Beach Parking Lot and Storm Drain Repairs Project
- LEED Commissioning of Buildings at Belvedere County Park
- Mira Loma Detention Facility Study

**County of Los Angeles, Mount Wilson Toll Road Repair, Pasadena, CA:** Project Manager reviewed the survey, mapping, and civil engineering plan production for the repair of four segments of the Mount Wilson Toll Road, a County of Los Angeles fire access road, in the Los Angeles National Forest that was washed out in heavy rain events. Slope repair consisted of grading, storm drainage, gabion wall, and option for either geogrid reinforcement or Hilfiker Reinforced Soil (MSE) system. At the base of the slope an existing blue-line stream exists and proper erosion control measures were taken to protect the stream from potential sedimentation.

**County of Los Angeles, Lifeguard Rescue Boat Headquarters, Marina del Rey, CA:** Project Manager to manage the preparation of a civil engineering feasibility study for the proposed construction of a new headquarters building. The building is proposed above the water and within the Marina del Rey headwall. Psomas provided conceptual grading, utilities, and environmental permitting as part of this report.

**I-405 Sepulveda Pass Widening Project, Los Angeles, CA:** Project Manager led a value engineering effort in a value engineering study to avoid a 96" Metropolitan Water District pipeline by preparing conceptual plans to evaluate realignment onto the Getty Center property, consisting of roadway grading and drainage studies.

**City of Los Angeles, San Fernando Road Widening, Granada Hills, CA:** Design Manager was responsible for a Pre-Design report and B-street improvement construction drawings for the City of Los Angeles. The Bureau of Engineering intends to widen eastbound San Fernando Road for a right turn lane onto southbound Balboa Road in Granada Hills, to improve traffic flow and reduce congestion. Grading and drainage design was included with these improvements.

**Cahuenga Boulevard at Universal Center, Los Angeles, CA:** Project Manager led the preparation of street improvement plans for streetscape improvements consisting of a new median and traffic signal improvements. The plans were prepared in a joint partnership between LADOT and the local private property owner. Grading and drainage considerations were included in the new design.

**Playa Vista, Los Angeles, CA:** Project Engineer assisted in engineering studies and preparation of construction documents to develop and support a 1,000-acre mixed use site. Phase 1 consisted of various housing products to serve a population of 5,000 people. Retail development and parks support this development. The Entertainment Media Technology District contains approximately 2 million square feet of office space. Phase 2 will add 2,600 homes, a shopping center, office buildings and parks to the community. Psomas provided entitlement, survey, natural resources, civil engineering, and construction staking services.

**Pico Boulevard Streetscaper, Santa Monica, CA:** Project Engineer assisted in the civil design of streetscape improvements along 26 city blocks of Pico Boulevard between Lincoln Boulevard and Centinela Avenue. Psomas was a sub-consultant on this project to the landscape architect, Katherine Spitz Associates.

**Neighborhood Curb Extensions, Santa Monica, CA:** Project Engineer designed 18 intersections of residential street intersections to be narrowed and ten City blocks of roadway medians to be constructed in an effort to reduce and slow through-traffic. Utility relocations were included in this scope. Responsibilities included processing plans, coordination with the landscape architect and City, resolving drainage issues and providing creative design solutions.

# Hourly Rates

Effective through December 31, 2015

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## Facilities, Infrastructure and Development Los Angeles Office

Land Use Entitlements, Engineering and Surveying

### *Hourly Rates*

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#### Office Services

\$ 65 - \$ 95	- Administrative and Project Assistants
\$ 85 - \$125	- Drafters and Design Drafters
\$105 - \$155	- Surveyors and Project Surveyors
\$ 85 - \$140	- Civil Engineering Designers and Engineers
\$115 - \$170	- Planners, Assistant Planners and Senior Planners
\$140 - \$180	- Project Engineers, Senior Project Engineers and Senior Project Surveyors
\$150 - \$240	- Project Management, Directors
\$200 - \$275	- Principals

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#### Field Services \*

\$379	- Three-Person Survey Party
\$260	- Two-Person Survey Party
\$180	- One-Person Survey Party
\$152	- Field Engineer
\$250/per day	- Scanner

Hourly rates for field survey parties include normal usage of electronic distance measuring equipment and survey vehicle expenses.

Per Diem is calculated at current State Department of Transportation rates (or other appropriate Agency rate).

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#### Reimbursables

Mileage at current IRS allowable rate and parking expenses incurred by office employees are charged at cost. Prints, plots, messenger service, subsistence, air travel, and other direct expenses will be charged at cost plus ten percent. The services of outside consultants will be charged at cost plus fifteen percent.

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The above schedule is for straight time. Overtime will be charged at 150 percent of the standard hourly rates. Sundays and holidays will be charged at 200 percent of the standard hourly rates.

\* Fees will be increased yearly on October 1, as granted under the current IUOE Local #12 Master Labor Agreement.