

PROFESSIONAL SERVICES CONTRACT BETWEEN
THE CITY OF HUNTINGTON BEACH AND
PSOMAS
FOR
ON-CALL CIVIL ENGINEERING, SURVEYING & PROFESSIONAL
CONSULTING SERVICES

THIS AGREEMENT ("Agreement") is made and entered into by and between the City of Huntington Beach, a municipal corporation of the State of California, hereinafter referred to as "CITY," and PSOMAS, hereinafter referred to as "CONSULTANT."

WHEREAS, CITY desires to engage the services of a consultant to provide on-call civil engineering, surveying and professional consulting services; and

Pursuant to documentation on file in the office of the City Clerk, the provisions of the Huntington Beach Municipal Code, Chapter 3.03, relating to procurement of professional service contracts have been complied with; and

CONSULTANT has been selected to perform these services,

NOW, THEREFORE, it is agreed by CITY and CONSULTANT as follows:

1. SCOPE OF SERVICES

CONSULTANT shall provide all services as described in **Exhibit "A,"** which is attached hereto and incorporated into this Agreement by this reference. These services shall sometimes hereinafter be referred to as the "PROJECT."

CONSULTANT hereby designates Andrew Nickerson, P.E. who shall represent it and be its sole contact and agent in all consultations with CITY during the performance of this Agreement.

2. CITY STAFF ASSISTANCE

CITY shall assign a staff coordinator to work directly with CONSULTANT in the performance of this Agreement.

3. TERM; TIME OF PERFORMANCE

Time is of the essence of this Agreement. The services of CONSULTANT are to commence on _____, 20____ (the "Commencement Date"). This Agreement shall automatically terminate three (3) years from the Commencement Date, unless extended or sooner terminated as provided herein. All tasks specified in **Exhibit "A"** shall be completed no later than one year from the Commencement Date. The time for performance of the tasks identified in **Exhibit "A"** are generally to be shown in **Exhibit "A."** This schedule may be amended to benefit the PROJECT if mutually agreed to in writing by CITY and CONSULTANT.

In the event the Commencement Date precedes the Effective Date, CONSULTANT shall be bound by all terms and conditions as provided herein.

4. COMPENSATION

In consideration of the performance of the services described herein, CITY agrees to pay CONSULTANT on a time and materials basis at the rates specified in **Exhibit "B,"** which is attached hereto and incorporated by reference into this Agreement, a fee, including all costs and expenses, not to exceed One Million Dollars (\$1,000,000.00).

5. EXTRA WORK

In the event CITY requires additional services not included in **Exhibit "A"** or changes in the scope of services described in **Exhibit "A,"** CONSULTANT will undertake such work only after receiving written authorization from CITY. Additional compensation for such extra work shall be allowed only if the prior written approval of CITY is obtained.

6. METHOD OF PAYMENT

CONSULTANT shall be paid pursuant to the terms of **Exhibit "B."**

7. DISPOSITION OF PLANS, ESTIMATES AND OTHER DOCUMENTS

CONSULTANT agrees that title to all materials prepared hereunder, including, without limitation, all original drawings, designs, reports, both field and office notices, calculations, computer code, language, data or programs, maps, memoranda, letters and other documents, shall belong to CITY, and CONSULTANT shall turn these materials over to CITY upon expiration or termination of this Agreement or upon PROJECT completion, whichever shall occur first. These materials may be used by CITY as it sees fit.

8. HOLD HARMLESS

A. CONSULTANT hereby agrees to protect, defend, indemnify and hold harmless CITY, its officers, elected or appointed officials, employees, agents and volunteers from and against any and all claims, damages, losses, expenses, judgments, demands and defense costs (including, without limitation, costs and fees of litigation of every nature or liability of any kind or nature) arising out of or in connection with CONSULTANT's (or CONSULTANT's subcontractors, if any) negligent (or alleged negligent) performance of this Agreement or its failure to comply with any of its obligations contained in this Agreement by CONSULTANT, its officers, agents or employees except such loss or damage which was caused by the sole negligence or willful misconduct of CITY. CONSULTANT will conduct all defense at its sole cost and expense and CITY shall approve selection of CONSULTANT's counsel. This indemnity shall apply to all claims and liability regardless of whether any insurance policies are applicable. The policy limits do not act as limitation upon the amount of indemnification to be provided by CONSULTANT.

B. To the extent that CONSULTANT performs "Design Professional Services" within the meaning of Civil Code Section 2782.8, then the following Hold Harmless provision applies in place of subsection A above:

“CONSULTANT hereby agrees to protect, defend, indemnify and hold harmless CITY and its officers, elected or appointed officials, employees, agents and volunteers, from and against any and all claims, damages, losses, expenses, demands and defense costs (including, without limitation, costs and fees of litigation of every nature or liability of any kind or nature) to the extent that the claims against CONSULTANT arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of CONSULTANT. In no event shall the cost to defend charged to CONSULTANT exceed CONSULTANT’s proportionate percentage of fault. However, notwithstanding the previous sentence, in the event one or more other defendants to the claims and/or litigation is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, CONSULTANT shall meet and confer with CITY and other defendants regarding unpaid defense costs. The duty to indemnify, including the duty and the cost to defend, is limited as provided in California Civil Code Section 2782.8.

C. Regardless of whether subparagraph A or B applies, CITY shall be reimbursed by CONSULTANT for all costs and attorney’s fees incurred by CITY in enforcing this obligation. This indemnity shall apply to all claims and liability regardless of whether any insurance policies are applicable. The policy limits do not act as a limitation upon the amount of indemnification to be provided by CONSULTANT.

9. PROFESSIONAL LIABILITY INSURANCE

CONSULTANT shall obtain and furnish to CITY a professional liability insurance policy covering the work performed by it hereunder. This policy shall provide coverage for CONSULTANT’s professional liability in an amount not less than One Million Dollars (\$1,000,000.00) per occurrence and in the aggregate. The above-mentioned insurance shall not contain a self-insured retention without the express written consent of CITY; however an insurance

policy "deductible" of Ten Thousand Dollars (\$10,000.00) or less is permitted. A claims-made policy shall be acceptable if the policy further provides that:

- A. The policy retroactive date coincides with or precedes the initiation of the scope of work (including subsequent policies purchased as renewals or replacements).
- B. CONSULTANT shall notify CITY of circumstances or incidents that might give rise to future claims.

CONSULTANT will make every effort to maintain similar insurance during the required extended period of coverage following PROJECT completion. If insurance is terminated for any reason, CONSULTANT agrees to purchase an extended reporting provision of at least two (2) years to report claims arising from work performed in connection with this Agreement.

If CONSULTANT fails or refuses to produce or maintain the insurance required by this section or fails or refuses to furnish the CITY with required proof that insurance has been procured and is in force and paid for, the CITY shall have the right, at the CITY's election, to forthwith terminate this Agreement. Such termination shall not effect Consultant's right to be paid for its time and materials expended prior to notification of termination. CONSULTANT waives the right to receive compensation and agrees to indemnify the CITY for any work performed prior to approval of insurance by the CITY.

10. CERTIFICATE OF INSURANCE

Prior to commencing performance of the work hereunder, CONSULTANT shall furnish to CITY a certificate of insurance subject to approval of the City Attorney evidencing the foregoing insurance coverage as required by this Agreement; the certificate shall:

- A. provide the name and policy number of each carrier and policy;
- B. state that the policy is currently in force; and

C. shall promise that such policy shall not be suspended, voided or canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice; however, ten (10) days' prior written notice in the event of cancellation for nonpayment of premium.

CONSULTANT shall maintain the foregoing insurance coverage in force until the work under this Agreement is fully completed and accepted by CITY.

The requirement for carrying the foregoing insurance coverage shall not derogate from CONSULTANT's defense, hold harmless and indemnification obligations as set forth in this Agreement. CITY or its representative shall at all times have the right to demand the original or a copy of the policy of insurance. CONSULTANT shall pay, in a prompt and timely manner, the premiums on the insurance hereinabove required.

11. INDEPENDENT CONTRACTOR

CONSULTANT is, and shall be, acting at all times in the performance of this Agreement as an independent contractor herein and not as an employee of CITY. CONSULTANT shall secure at its own cost and expense, and be responsible for any and all payment of all taxes, social security, state disability insurance compensation, unemployment compensation and other payroll deductions for CONSULTANT and its officers, agents and employees and all business licenses, if any, in connection with the PROJECT and/or the services to be performed hereunder.

12. TERMINATION OF AGREEMENT

All work required hereunder shall be performed in a good and workmanlike manner. CITY may terminate CONSULTANT's services hereunder at any time with or without cause, and whether or not the PROJECT is fully complete. Any termination of this Agreement by CITY shall be made in writing, notice of which shall be delivered to CONSULTANT as provided herein. In the

event of termination, all finished and unfinished documents, exhibits, report, and evidence shall, at the option of CITY, become its property and shall be promptly delivered to it by CONSULTANT.

13. ASSIGNMENT AND DELEGATION

This Agreement is a personal service contract and the work hereunder shall not be assigned, delegated or subcontracted by CONSULTANT to any other person or entity without the prior express written consent of CITY. If an assignment, delegation or subcontract is approved, all approved assignees, delegates and subconsultants must satisfy the insurance requirements as set forth in Sections 9 and 10 hereinabove.

14. COPYRIGHTS/PATENTS

CITY shall own all rights to any patent or copyright on any work, item or material produced as a result of this Agreement.

15. CITY EMPLOYEES AND OFFICIALS

CONSULTANT shall employ no CITY official nor any regular CITY employee in the work performed pursuant to this Agreement. No officer or employee of CITY shall have any financial interest in this Agreement in violation of the applicable provisions of the California Government Code.

16. NOTICES

Any notices, certificates, or other communications hereunder shall be given either by personal delivery to CONSULTANT's agent (as designated in Section 1 hereinabove) or to CITY as the situation shall warrant, or by enclosing the same in a sealed envelope, postage prepaid, and depositing the same in the United States Postal Service, to the addresses specified below. CITY and CONSULTANT may designate different addresses to which subsequent notices, certificates or other communications will be sent by notifying the other party via personal delivery, a reputable overnight carrier or U. S. certified mail-return receipt requested:

TO CITY:

City of Huntington Beach
ATTN: Chris Tanio
2000 Main Street
Huntington Beach, CA 92648

TO CONSULTANT:

Psomas
ATTN: Andrew Nickerson, P.E.
555 South Flower Street, Suite 4300
Los Angeles, CA 90071

17. CONSENT

When CITY's consent/approval is required under this Agreement, its consent/approval for one transaction or event shall not be deemed to be a consent/approval to any subsequent occurrence of the same or any other transaction or event.

18. MODIFICATION

No waiver or modification of any language in this Agreement shall be valid unless in writing and duly executed by both parties.

19. SECTION HEADINGS

The titles, captions, section, paragraph and subject headings, and descriptive phrases at the beginning of the various sections in this Agreement are merely descriptive and are included solely for convenience of reference only and are not representative of matters included or excluded from such provisions, and do not interpret, define, limit or describe, or construe the intent of the parties or affect the construction or interpretation of any provision of this Agreement.

20. INTERPRETATION OF THIS AGREEMENT

The language of all parts of this Agreement shall in all cases be construed as a whole, according to its fair meaning, and not strictly for or against any of the parties. If any provision of this Agreement is held by an arbitrator or court of competent jurisdiction to be unenforceable, void, illegal or invalid, such holding shall not invalidate or affect the remaining covenants and provisions of this Agreement. No covenant or provision shall be deemed dependent upon any other unless so expressly provided here. As used in this Agreement, the masculine or

neuter gender and singular or plural number shall be deemed to include the other whenever the context so indicates or requires. Nothing contained herein shall be construed so as to require the commission of any act contrary to law, and wherever there is any conflict between any provision contained herein and any present or future statute, law, ordinance or regulation contrary to which the parties have no right to contract, then the latter shall prevail, and the provision of this Agreement which is hereby affected shall be curtailed and limited only to the extent necessary to bring it within the requirements of the law.

21. DUPLICATE ORIGINAL

The original of this Agreement and one or more copies hereto have been prepared and signed in counterparts as duplicate originals, each of which so executed shall, irrespective of the date of its execution and delivery, be deemed an original. Each duplicate original shall be deemed an original instrument as against any party who has signed it.

22. IMMIGRATION

CONSULTANT shall be responsible for full compliance with the immigration and naturalization laws of the United States and shall, in particular, comply with the provisions of the United States Code regarding employment verification.

23. LEGAL SERVICES SUBCONTRACTING PROHIBITED

CONSULTANT and CITY agree that CITY is not liable for payment of any subcontractor work involving legal services, and that such legal services are expressly outside the scope of services contemplated hereunder. CONSULTANT understands that pursuant to *Huntington Beach City Charter* Section 309, the City Attorney is the exclusive legal counsel for CITY; and CITY shall not be liable for payment of any legal services expenses incurred by CONSULTANT.

24. ATTORNEY'S FEES

In the event suit is brought by either party to construe, interpret and/or enforce the terms and/or provisions of this Agreement or to secure the performance hereof, each party shall bear its own attorney's fees, such that the prevailing party shall not be entitled to recover its attorney's fees from the nonprevailing party.

25. SURVIVAL

Terms and conditions of this Agreement, which by their sense and context survive the expiration or termination of this Agreement, shall so survive.

26. GOVERNING LAW

This Agreement shall be governed and construed in accordance with the laws of the State of California.

27. SIGNATORIES

Each undersigned represents and warrants that its signature hereinbelow has the power, authority and right to bind their respective parties to each of the terms of this Agreement, and shall indemnify CITY fully for any injuries or damages to CITY in the event that such authority or power is not, in fact, held by the signatory or is withdrawn.

28. ENTIRETY

The parties acknowledge and agree that they are entering into this Agreement freely and voluntarily following extensive arm's length negotiation, and that each has had the opportunity to consult with legal counsel prior to executing this Agreement. The parties also acknowledge and agree that no representations, inducements, promises, agreements or warranties, oral or otherwise, have been made by that party or anyone acting on that party's behalf, which are not embodied in this Agreement, and that that party has not executed this Agreement in reliance on any representation, inducement, promise, agreement, warranty, fact or circumstance not expressly set forth in this

Agreement. This Agreement, and the attached exhibits, contain the entire agreement between the parties respecting the subject matter of this Agreement, and supersede all prior understandings and agreements whether oral or in writing between the parties respecting the subject matter hereof.

29. EFFECTIVE DATE


This Agreement shall be effective on the date of its approval by the City Council.

This Agreement shall expire when terminated as provided herein.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by and through their authorized officers.

CONSULTANT,

PSOMAS

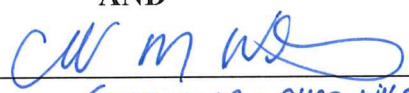
By: 

ARIEF NAFTALI

print name

ITS: (circle one) Chairman/President/Vice President

AND

By: 

SECRETARY, CHAO WILSON

print name

ITS: (circle one) Secretary/Chief Financial Officer/Asst.
Secretary - Treasurer

CITY OF HUNTINGTON BEACH, a
municipal corporation of the State of
California

Mayor

City Clerk

INITIATED AND APPROVED:

Director of Public Works

REVIEWED AND APPROVED:

City Manager

APPROVED AS TO FORM:

City Attorney 

EXHIBIT "A"

A. STATEMENT OF WORK: (Narrative of work to be performed)

CONSULTANT shall provide consulting services on an 'as- needed' basis for projects to be determined during the term of the agreement. During the term of the agreement, CITY may elect to solicit proposals from CONSULTANT. CITY shall issue task order for each project based upon the scope of services, work schedule, and fee proposal submitted to CITY for its review and approval.

B. CONSULTANT'S DUTIES AND RESPONSIBILITIES:

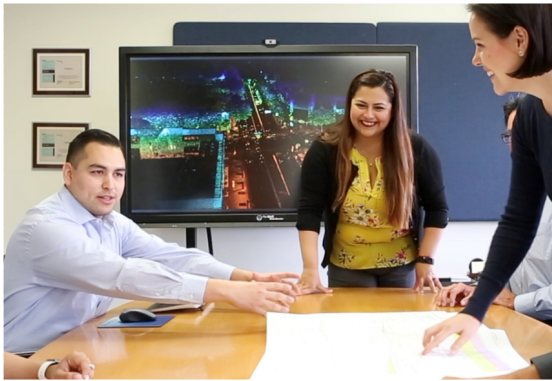
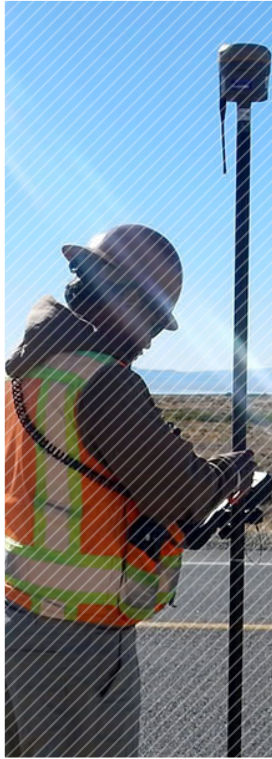
CONSULTANT'S duties and responsibilities shall be per CONSULTANT'S Statement of Qualification (Exhibit A), consistent with the City of Huntington Beach Request for Qualifications for On Call Civil Engineering Consulting Services. Upon award, and the contract period, if CONSULTANT chooses to assign different personnel to the project, CONSULTANT must submit the names and qualifications of these staff to CITY for approval before commencing work.

C. CITY'S DUTIES AND RESPONSIBILITIES:

1. Furnish scope of work request for each project.
2. Furnish construction plans and specifications to the CONSULTANT.

D. WORK PROGRAM/PROJECT SCHEDULE:

A project schedule will be developed for each project assigned by City.



ON-CALL CIVIL ENGINEERING, SURVEYING AND PROFESSIONAL CONSULTING SERVICES

Service Category:
Civil Engineering

City of Huntington Beach

March 22, 2021

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March 22, 2021

Submitted via PlanetBids

Jennifer Anderson
City of Huntington Beach
2000 Main Street
Huntington Beach, CA 92648-0190

Section A | Cover Letter: On-Call Civil Engineering, Surveying and Professional Consulting Services

Dear Ms. Anderson:

Psomas sincerely appreciates the opportunity to provide engineering services to the City of Huntington Beach (City) for civil engineering, surveying, and consulting services as a trusted on-call consultant. In reviewing the attached proposal, the City will find a team that is prepared to undertake rehabilitation and reconstruction of various on- and off-street infrastructure projects within the City's right-of-way. With thoughtful approach, state-of-the-art tools, and responsive professionals being proposed, we believe the City will find a partnership with Psomas to be mutually rewarding on your upcoming capital improvement projects.


Over the past five years, we have completed similar on- and off-street improvement projects that are described in detail beginning on Page 3. These representative projects demonstrate the competencies of our team in assisting the City anticipated as complete similar projects, as well as the technical and managerial skills of the key professionals who are proposed for the City's contract. Our approach and methodology, which is found beginning on Page 10, has been tailored to the projects that are part of this contract.

Psomas acknowledges receipt of Addendum 1, dated March 2, 2021.

We stand ready to work with City staff and look forward to entering into a contract soon. Should you have any questions concerning our proposal, please do not hesitate to contact me.

Sincerely,

PSOMAS


Arief Naftali, PE, TE, EE, RSP1, ENV SP
Contract Manager

5 Hutton Centre Drive
Suite 300
Santa Ana, CA 92707
Tel 714.751.7373
Fax 714.545.8883
www.psomas.com

VENDOR APPLICATION FORM

REQUEST FOR PROPOSAL

VENDOR APPLICATION FORM

TYPE OF APPLICANT: ☐ NEW ☒ CURRENT VENDOR

Legal Contractual Name of Corporation: Psomas

Contact Person for Agreement: Andrew Nickerson, PE

Corporate Mailing Address: 555 South Flower Street, Suite 4300

City, State and Zip Code: Los Angeles, CA 90071

E-Mail Address: andrew.nickerson@psomas.com

Phone: 213.223.1512 Fax: 213.223.1444

Contact Person for Proposals: Arief Naftali, PE

Title: Project Manager E-Mail Address: arief.naftali@psomas.com

Business Telephone: 714.481.7956 Business Fax: 714.545.8883

Is your business: (check one)

☐ NON PROFIT CORPORATION ☒ FOR PROFIT CORPORATION

Is your business: (check one)

☒ CORPORATION ☐ LIMITED LIABILITY PARTNERSHIP
☐ INDIVIDUAL ☐ SOLE PROPRIETORSHIP
☐ PARTNERSHIP ☐ UNINCORPORATED ASSOCIATION

Names & Titles of Corporate Board Members

(Also list Names & Titles of persons with written authorization/resolution to sign contracts)

Names	Title	Phone
See Attached		

Federal Tax Identification Number: [95-2863554](#)

City of Huntington Beach Business License Number: [A152814](#)
(If none, you must obtain a Huntington Beach Business License upon award of contract.)

City of Huntington Beach Business License Expiration Date: [License renewed on 3/4/21 pending receipt](#)

**UNANIMOUS WRITTEN CONSENT
OF THE
BOARD OF DIRECTORS OF PSOMAS,
a California corporation.**

March 2, 2021

THE UNDERSIGNED, being all of the members of the Board of Directors of Psomas, a California corporation (the “Corporation”), hereby adopt the following resolutions without a meeting as of the date set forth above, pursuant to Section 307(b) of the General Corporation Law of California:

RESOLVED that the following, being the Officers of the Corporation, be and hereby are authorized to execute any and all documents required to conduct the business of the Corporation, including, but not limited to contracts, leases and certifications;

IT IS FURTHER RESOLVED that any one signature of the Officers listed herein shall be sufficient to bind the Corporation;

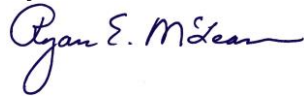
STEVE MARGARONI	President and Chief Executive Officer
NICK TARDITTI	Chief Financial Officer, Treasurer, Assistant Secretary
CHAD WILSON	Vice President, Secretary
CRAIG AHRENS	Vice President
ALEJANDRO ANGEL	Vice President
BRETT BARNETT	Vice President
JOSEPH BARTORELLI	Vice President
REGINA BEEM	Vice President
STEVEN BEIN	Vice President
JOSEPH L. BOYLE	Vice President
SCOTT BRYANT	Vice President
BRIAN E. BULLOCK	Vice President
AGUSTIN CHANG	Vice President
JEFFREY CHESSE	Vice President
MARCIA CARRILLO	Vice President
MATTHEW D. CLARK	Vice President
MICHAEL J. CREHAN	Vice President
SARAH CURRAN	Vice President
CHRIS DAVENPORT	Vice President
AMY DAY	Vice President
WILLIAM ESTEPA	Vice President
ROSE FISTROVIC	Vice President
PETER FITZPATRICK	Vice President
DAN FORGEY	Vice President
JEFF GILLIS	Vice President
ERNEST GOMEZ	Vice President
CRAIG GOOCH	Vice President
DANNIE B. GREEN	Vice President
TIMOTHY G. HAYES	Vice President
GREGORY A. HELMER	Vice President
ALIA HOKUKI	Vice President
JIM HUNTER	Vice President
ROBERT J. IANNARINO	Vice President
RICHARD IMAN	Vice President
JEREMY JOHNSON	Vice President
ANN JOHNSTON	Vice President
GLENN LAJOIE	Vice President
VINCENT LUNGARI	Vice President
JENNIFER MARKS	Vice President
FRANK MARTIN	Vice President
DENNIS MEYER	Vice President

DAVID A. MORITZ
ARIEF NAFTALI
ANDREW NICKERSON
ED O'BRIEN
TRAVIS PERRY
TOM PILARSKI
MICHAEL R. REDIG
TERESITA REUTTER
SCOTT ROCKE
SEAN SAMSEL
JAVIER SAUNDERS
GARY SKREL
SEAN SMITH
THEO SMITH
RICHARD M. SULLIVAN
MICHAEL D. SWAN
ROBERT J. TALAFUS
KEVIN T. THORNTON
BYRON G. TOBEY, JR.
REUBEN TOLENTINO
ALYSEN WEILAND
DONALD LEE WHITELEY
CAROLINE YONTEZ

Vice President
Vice President
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Vice President

This Unanimous Written Consent shall be filed with the Minutes of the proceedings of the Board of Directors, and the actions taken hereby shall have the same force and effect as if taken at a meeting duly called and held.

Ryan E. McLean



David A. Moritz



Matthew D. Clark



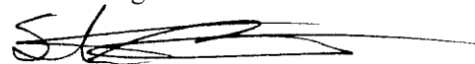
Mike Lucki



Ann Johnston



Steve Margaroni



Alejandro Angel



Byron Tobey





Donald Lee Whiteley



PRE-QUALIFICATIONS FORM

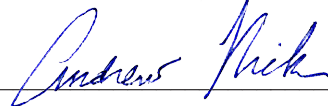
EXHIBIT A: PRE-QUALIFICATION FORM ON-CALL CIVIL, SURVEYING & PROFESSIONAL CONSULTING SERVICES

 (Initial) Consultant is willing to execute the Agreement as drafted (See **Appendix B**).

 (Initial) Consultant is able to provide the insurance as required (See **Appendix C**).

Firm Name: Psomas

Firm Address: 5 Hutton Centre Drive, Suite 300, Santa Ana, CA 92707

Signature:  Date: March 22, 2021

FIRM QUALIFICATIONS

Firm Profile

Dedicated to balancing the natural and built environment for nearly 75 years, Psomas has provided sustainably engineered solutions to public and private clients worldwide. The cornerstone of Psomas' approach is to focus on our clients' long-term needs and then guide strategic growth to meet those needs.

Psomas is a California corporation and our core strength is our multi-disciplinary teams of experts who produce award-winning projects for our clients through innovation, creativity and cutting-edge technical expertise. As a full-service consulting firm, we help our clients create value and deliver complex projects. The markets we serve include any project within the public domain, including water, sewage, and stormwater treatment and transmission; renewable energy; underground utilities; roads and bridges; site development; and community facilities.

In proposing to assist the City through this contract, Psomas' engineering and survey teams are supported by two other related groups: Environmental Planning, and Construction Management. Every on- and off-street improvement project requires the processing and approval of environmental documentation. Having this expertise within the team allows Psomas to offer a more cost-effective, integrated planning service to the City on said projects. Our construction management team is also well integrated into the team. In fact, they often

provide constructability review services from the contractor's vantage points on plan sets. Such a service enables the team to deliver a high-quality, yet fiscally practical set of plans, specifications and estimates that not only meet the City's objectives, but are also optimized for adherence to budget. Our construction management staff also weigh in and provide expert opinions as part of the team's construction administration services, which is also an added value of the Psomas Team.



Psomas has a proven track record of meeting established schedules and is fully committing our key personnel based on their current workload. With more than 150 staff in our Santa Ana office, we have professional resources from all disciplines available to support this commitment.

Project Experience and References

Provided on the following pages are project descriptions highlighting Psomas' experience providing similar services. Each project description includes a reference whom we encourage the City to contact.

Cameo Highlands Street Reconstruction

Newport Beach, CA | **City of Newport Beach**

RELEVANCE TO THIS CONTRACT

- ▶ Orange County agency
- ▶ ADA and drainage improvements
- ▶ Roadway reconstruction

Psomas was retained to lead a multi-disciplined team to develop a plan for street reconstruction within the Cameo Highlands neighborhood in the City of Newport Beach. Psomas provided civil engineering, surveying, and project management services for development of the street and ADA improvements, ensuring proper drainage is maintained, and providing wet utility mapping and horizontal control of the project.



PROJECT DATES

August 2019 to February 2021

KEY PERSONNEL

Steven Baine

Senior Project Engineer

Christopher Riehle

Survey Manager

REFERENCE

Andy Tran

Senior Civil Engineer

949.644.3315

atran@newportbeachca.gov

OC Parking Lots for Strands Beach Parking Lot and Carbon Canyon Regional Park

Orange County, CA | **Orange County Public Works**

RELEVANCE TO THIS CONTRACT

- ▶ Orange County agency
- ▶ ADA accessibility and improvement
- ▶ Parking lot rehabilitation

Psomas provided engineering and surveying services to assess pavement condition and apply appropriate treatments to achieve the longest design life relative to cost for Carbon Canyon Regional Park and Strands Beach Parking Lots. A Pavement Evaluation and Repair Recommendations Report was prepared to provide options on pavement rehabilitation. Psomas' services included aerial surveying, design surveying, pavement repair plans, grading and drainage plans, signing and striping plans, erosion control plans, and construction phasing plans, specifications, and cost estimate.



PROJECT DATES

January 2021 to December 2021
(estimated)

KEY PERSONNEL

Andrew Nickerson

Principal-in-Charge

Ion Cretu

Project Manager

REFERENCE

Anthony Ty, PE

Civil Engineering Assistant

714.667.8800

anthony.ty@ocpw.ocgov.com

Colima Road Rehabilitation

Whittier, CA | **City of Whittier**

RELEVANCE TO THIS CONTRACT

- ▶ Los Angeles County agency
- ▶ Road rehabilitation

The City of Whittier seeks to reconstruct Colima Road between Mar Vista Street and Lambert Street, a distance of approximately 1.5 miles.

Psomas is providing civil and traffic engineering design for development of roadway plans, curb ramp reconstruction details, signing-striping plans, temporary traffic control plans and encroachment permit with Caltrans District 7. Includes preparation of Engineer's Estimate and Special Provision and support during construction.



PROJECT DATES

October 2020 to May 2021

KEY PERSONNEL

Arief Naftali

Technical Manager

REFERENCE

Bobby Ghaemi

562.567.9526

bghaemi@cityofwhittier.org

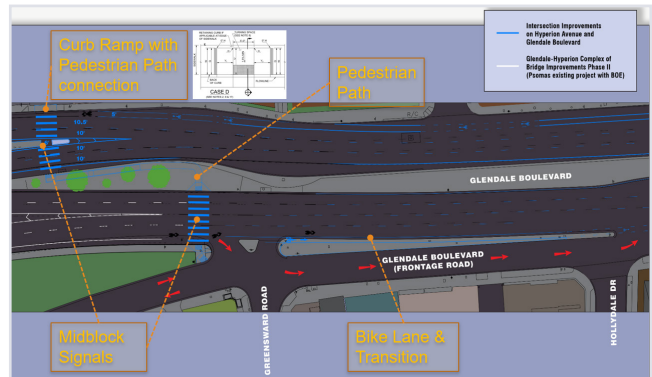
Hyperion Avenue/Glendale Boulevard Intersection Improvements

Los Angeles, CA | **City of Los Angeles**

RELEVANCE TO THIS CONTRACT

- ▶ ADA and on-street parking improvements
- ▶ Roadway/intersection improvements with drainage component
- ▶ Traffic engineering improvements

Psomas provided civil engineering services for Intersection Improvements funded by LA Metro's Call for Projects. Services included traffic queuing analysis, on-street parking considerations, design of exclusive turn lanes to alleviate queuing and traffic congestion, Class II Bike lanes, new crosswalk to facilitate safe pedestrian passage across Glendale Boulevard, traffic signal improvements, and improving the drainage system and infiltration basin at four major intersections within the Silver Lake and Atwater neighborhoods in Los Angeles.



PROJECT DATES

August 2018 to Present

KEY PERSONNEL

Arief Naftali

Project Manager

Andrew Nickerson

Principal-in-Charge

Jennifer Marks

Environmental Project Manager

REFERENCE

Andrew Asfour

Project Manager

213.485.5096

andrew.asfour@lacity.org

Environmental Documentation

Norman Mundy

213.485.5737

Norman.Mundy@lacity.org

Complete Streets Program (TOS 38)

Los Angeles, CA | Client: **City of Los Angeles**

RELEVANCE TO THIS CONTRACT

- ▶ Curb ramps and ADA improvements
- ▶ Drainage and sustainability improvements
- ▶ Roadway resurfacing and rehabilitation

The Complete Streets Program incorporates pavement resurfacing, sidewalk repairs, concrete bus pads, street trees, Vision Zero, and Green Street infrastructure into a combined project to extend the service life and, more importantly, enhance pedestrian and traffic safety. This task order is the first of the program, consisting of six street corridors totaling 22 miles. The project scope includes more than 600 curb ramps to be replaced and damaged sidewalks to be repaired.



PROJECT DATES

May 2017 to August 2020

KEY PERSONNEL

Arief Naftali

Traffic Engineer

Andrew Nickerson

Principal-in-Charge

Linda Luu

Project Engineer

Christopher Riehle

Office Surveyor

Ion Cretu

Technical Manager

REFERENCE

City of Los Angeles
Julie Sauter, PE

Deputy City Engineer

213.847.2230

julie.sauter@lacity.org

Marine Avenue and Liberty Village Improvements

Manhattan Beach, CA | **City of Manhattan Beach**

RELEVANCE TO THIS CONTRACT

- ▶ Street rehabilitation on arterial and local streets
- ▶ ADA and curb ramp reconstruction
- ▶ Signing/striping and traffic engineering

Psomas provided design of final construction plans, PS&E, and ADA accessibility improvements. Psomas not only provided solutions to rehabilitate the existing pavement, but also designed critical pedestrian accessibility improvements by upgrading curb ramps to meet current ADA requirements, refreshing striping, and restoring impacted traffic signal loops at necessary intersections. The \$1.6 million project budget was split between Proposition C funding for Marine Avenue and Measure R Local funds for Liberty Village.



PROJECT DATES

June 2017 to February 2020

KEY PERSONNEL

Arief Naftali

Project Manager

Andrew Nickerson

Principal-in-Charge

REFERENCE

Mamerto Estepa

Associate Engineer

310.802.5325

mestepa@citymb.info

Crenshaw Boulevard Rehabilitation (182nd Street to Redondo Beach Boulevard)

Torrance, CA | **City of Torrance**

RELEVANCE TO THIS CONTRACT

- ▶ Roadway rehabilitation of an arterial street
- ▶ Traffic engineering work
- ▶ NPDES and SWPPP requirements

Psomas provided engineering and surveying services for rehabilitation of Crenshaw Boulevard. The project's construction budget was \$3,200,000, not including construction management and inspection. The pavement within the project limits is deteriorated and required rehabilitation by cost-effective and strategic method(s).

Services included a design topographic survey; utility research and notification, potholing, and coordination; base sheets; traffic index calculations; pavement evaluation review/design; roadway rehabilitation plan and profile; traffic signal medication plans; traffic control and staging plans; quantity calculations and cost estimate; and project specifications.



PROJECT DATES

September 2018 to July 2020

REFERENCE

Justin Gatza

310.618.3032

jgatza@torranceca.gov

KEY PERSONNEL

Arief Naftali

Project Manager

Andrew Nickerson

Principal-in-Charge

Orange County Fair & Event Center

Costa Mesa, CA | **California Construction Authority**

RELEVANCE TO THIS CONTRACT

- ▶ Aerial mapping
- ▶ Design and topographic survey

Psomas provided a topographic survey of the entire 150-acre OC Fair & Event Center property. Project management included establishment of project survey control and oversight of topographic survey of the complete site. Topographic survey included quantities and types of parking spaces on surface parking areas in the site. Aerial mapping collected all visible features for roadway, utilities, and cultural items in support of conventional ground survey. DTM breaklines and mass points supplemented select planimetric features for triangulation of a surface model creating the one-foot contours for the entire site.



PROJECT DATES

February 2019 to April 2019

REFERENCE

Tyler Phillips

Projects and Planning Liaison

714.708.1583

Tphillips@ocfair.com

KEY PERSONNEL

Christopher Riehle

Survey Manager

On-Call Surveying Services

Long Beach, CA | **Port of Long Beach**

RELEVANCE TO THIS CONTRACT

- ▶ Aerial and topographic surveys
- ▶ Design surveys

Psomas is providing land surveying services including preliminary design surveys, right-of-way engineering, geospatial, construction staking, layout, as-built surveys, and control surveys. Services include establishing and maintaining survey control; documenting the location and type of existing structures and utilities; construction staking; calculation of earthwork quantities; final as-built surveys; boundary surveys; Records of Survey; corner records, preparation of easements, dedications, and leases; preliminary design surveys; 3D Laser Scanning Surveys; aerial surveys; topographic surveys; and photogrammetry.



PROJECT DATES

2016 to Present

KEY PERSONNEL

Christopher Riehle
Project Manager

REFERENCE

Kimberly Holtz, PLS

Director of Survey Division
562.283.7271
kim.holtz@polb.com

Key Personnel Information Matrix

Years of
Experience

21

ARIEF NAFTALI, PE, TE, EE, RSP1, ENV SP



PROJECT MANAGER

PE | 2003/Professional Engineer/Civil/CA #64286
TE | 2005/Traffic Engineer/CA #2296
EE | 2016/Electrical Engineer/CA 21570
MS | 2004/Civil Engineering, Transportation Engineering/
California State University, Long Beach
BS | 1999/Civil Engineering/California State Polytechnic
University, Pomona

Relevant Strengths For This Contract

- A mix of site development and Public Works background
- Multi-disciplined engineering expertise
- More than five years of experience as a Contract Manager on similar on-call projects

Arief Naftali has 21 years of hands-on professional experience in design and management of various road, traffic, civil, site, and highway projects serving multiple local and regional agencies in Southern California, including Caltrans. Arief is adept in roadway infrastructure, site development, active transportation, traffic engineering, outdoor electrical, and transportation planning projects, delivering improvement needs to local and regional communities alike. Arief's project portfolio encompasses a full range of projects starting from planning and design through construction.

ANDREW NICKERSON, PE, QSD/QSP, ENV SP

28



PRINCIPAL-IN-CHARGE

PE | 1997/Professional Engineer/Civil/CA #56808
MS | 1996/Civil Engineering: Transportation/University of
California, Irvine
BS | 1992/Civil Engineering/Columbia University
BA | 1991/Physics/College of the Holy Cross

Relevant Strengths For This Contract

- Extensive site development and roadway experience
- Recent experience in multimodal engineering projects
- Expertise in multi-agency permitting and balancing multiple stakeholder interests

Andrew Nickerson has 28 years of experience providing design support, management, and oversight of roadway improvement projects throughout Southern California. His experience has involved the full spectrum of services required for this contract, including the preparation and QA/QC oversight of RFI responses through full Public Works Plans. This is backed by years of design and oversight of ADA compliance, utility coordination, stormwater and water quality Best Management Practices (BMPs), permitting, and agency coordination.

Key Personnel Information Matrix (Continued)

Years of
Experience

CARRIE DAVIS, PE

25



QA/QC MANAGER

PE | 2001/Professional Engineer/Civil/CA #61840

BS | Civil Engineering/California State University, Sacramento

Relevant Strengths For This Contract

- Significant experience in Orange County
- Roadway and freeway/interchange expertise
- Strong multi-stakeholder engagement experience

Carrie Davis has more than 25 years of experience primarily in Orange County where she has successfully managed and designed dozens of local arterial highway, interchange, and multi-use trail improvement projects. Her expertise ranges from preparing preliminary studies to developing the final construction PS&E for highway, local street, and multi-use trail improvement projects. She has a strong understanding of Caltrans policies and procedures, environmental planning and permitting, and those of County and local agencies.

LINDA LUU, PE, QSD/QSP, ENV SP

11



ON-STREET IMPROVEMENTS

PE | 2014/professional Engineer/Civil/CA #83274

BS | 2009/Civil Engineering/California State Polytechnic University, Pomona

Relevant Strengths For This Contract

- Extensive experience with roadway and ADA improvements
- On- and off-street improvement experience
- Planning to engineering expertise

Linda Luu has 11 years of experience across multiple markets for design and design-build projects. Her prior experience employed with public agencies acquainted her with program funding and public works rehabilitation projects. Project responsibilities include all aspects of a project from start to finish contract - proposal support, entitlement support, civil site design, plans, specifications and estimates (PS&E), permitting, and field engineering duties.

ION CRETU, PE, QSD/QSP, ENV SP, LEED AP BD+C, ND

22



OFF-STREET IMPROVEMENTS

PE | 2007/Professional Engineer/Civil/CA #71513

BS | 1995/Forest Engineering/Transylvania University of Brasov, Romania

Relevant Strengths For This Contract

- Multi-agency and private development experience
- On- and off-street improvements
- Roadway and ADA improvement expertise

Ion Cretu has 22 years of civil engineering experience. He has experience in design of on- and offsite improvements for projects. Ion provides civil engineering for the design of multi-building campuses. In addition to design, Ion also provides coordination for production and municipal processing.

STEVEN BAINE, PE, QSD, ENV SP

32



STORMWATER (NPDES, WQMP, SWPPP)

PE | 1994/Professional Engineer/Civil/CA #51327

BS | 1989/Civil Engineering/University of California, Irvine

Relevant Strengths For This Contract

- Stormwater quality expertise
- Extensive drainage and stormwater experience
- Planning to engineering expertise

Steve Baine has 32 years of experience in civil engineering design for all types of projects including public works, commercial, industrial, institutional, and high density and single-family residential projects. His design tasks have included street, storm drain, grading, sewer, water and site design. Steven has specialized experience in hydrology and hydraulic studies, water and sewer system analysis, storm water pollution prevention plans, and water quality management plans. He is proficient using various computer programs and mentoring other engineers to provide finished plans and reports. Additional skills include survey mapping, legal descriptions, topographic and staking calculations, tentative maps, agency research and processing, planning studies, and CADD customizing and modeling.

Key Personnel Information Matrix (Continued)

Years of
Experience

CHRISTOPHER RIEHLE, PLS

19



SURVEYING SERVICES

PLS | 2018/Professional Land Surveyor/CA #9453
BS | 2002/Geography, GIS Minor/California State Polytechnic University, Pomona

Relevant Strengths For This Contract

- All-around expertise in survey services
- GPS and geospatial experience
- Multi-agency experience in Southern California

Chris Riehle has 19 years of experience in a wide array of survey and mapping disciplines, including boundary analysis, topographic mapping, preparation and review of parcel maps, final maps and Records of Survey, lot line adjustments, legal description preparation, analysis and mapping of rights-of-way and easements, ALTA/NSPS Land Title Surveys, and extensive GPS post-processing and geodetic control network establishment throughout California and Nevada.

JENNIFER MARKS

22



ENVIRONMENTAL PLANNING

BS | 1999/Natural Resources, Planning, and Interpretation/Humboldt State University

Relevant Strengths For This Contract

- Seasoned Project Manager with experience throughout Orange and Los Angeles counties
- Regularly interfaces with public agencies, private developers, key stakeholders, and interested public
- Skilled at public presentations and community workshops related to the environmental process

Jennifer Marks is a Senior Project Manager with over 22 years of experience in environmental documentation and analysis consistent with CEQA and NEPA. Jennifer's career has focused on a wide variety of projects, including mixed-use, residential, office, and resort developments; specific plan and general plan analyses; transportation infrastructure; and various utility infrastructure projects. She has prepared environmental documentation and supplemental information to meet specific agency requirements, including those for the following agencies: Caltrans; State Water Resources Control Board; U.S. Bureau of Reclamation; U.S. Environmental Protection Agency; U.S. Army Corps of Engineers; U.S. Fish and Wildlife Service; California Department of Fish and Wildlife; various local planning and development departments; and private developers.

STAFFING

The City will require a team with the exact skills and expertise to provide the services necessary to complete the City's projects in a timely manner and within your budget. Psomas' key to success with the City will be our responsiveness, understanding of the City's needs, familiarity with local and regional standards and guidelines, and our understanding of the community.

Psomas commits that, upon award and throughout the duration of the contract, if Psomas desires to assign different personnel to the project, Psomas agrees to submit names and qualifications including information as listed in the RFP to the City for approval before they begin work.

Staffing is key to a successful project and an integral part of our quality management program. Our fundamental approach is to assemble the best-qualified team to match your project requirements.

Not only is it important to have ample resources, but it is also critical the City work with a team who truly understands how to manage this project.

The Psomas Team will be led by **Arief Naftali, PE, TE, EE, RSP1, ENV SP**, a known and trusted Project Manager with extensive experience in delivering services for similar projects.

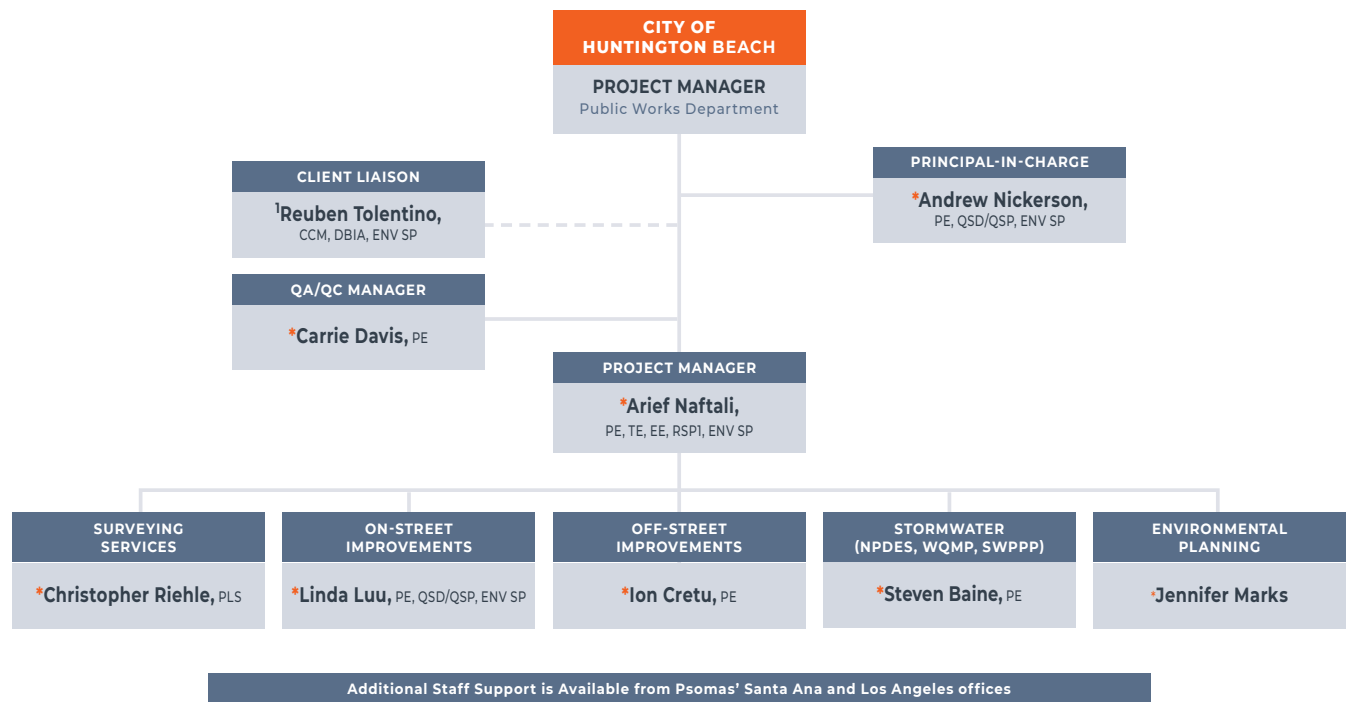
Organization Chart

The Organization Chart below identifies our Project Manager who will also be the single point of contact for the Civil Engineering category. The Organization Chart delineates the Psomas Team, their roles, and lines of communication. Personnel identified in the Organization Chart with an

orange asterisk (*) are considered key and are included in the Personnel Information Matrix on the previous pages.

Resumes

Resumes and copies of all pertinent licenses for proposed staff are provided at the end of the proposal.



¹ As a current Contract Manager for a neighboring city, Long Beach, Reuben Tolentino will assist Andrew Nickerson in serving as the City's alternate communication link to the Psomas Team on matters involving contract and assignment management.

UNDERSTANDING AND METHODOLOGY

Approach to Work Program

Psomas proposes to complete the City's improvement projects based on the following workflow:

1. **Preliminary engineering work**, which usually culminates in a Preliminary Design, Technical Memorandum, Study or Report with Preliminary Construction Cost Estimates

2. **Final engineering work**, which will result in a complete Plans, Specifications, and Estimates package
3. **Bidding and Construction Phase services**, where Psomas can assist the City as requested during construction of proposed improvement projects.

At the beginning of each project, the Psomas Team will initiate a project meeting with the City, review the proposed scope of work, and integrate the requirements and objectives of the identified

project. The kick-off meeting will include Psomas team members, City staff, and other affected parties and agencies, and will provide the forum to identify clear lines of communication and review the final scope, schedule, milestones and other pertinent project details.

The kick-off meeting is often followed by a field visit to the project site to review existing conditions and determine all of the issues that may be affected by the proposed improvements.

Task 1 — Research and Data Collection

In addition to the field review, any preliminary plans, studies, and reports that may exist regarding the project or project area will be researched and obtained from the City, County and pertinent local utility providers. Available site infrastructure will be collected. Such data may include right-of-way maps, as-built plans, preliminary planning or studies, hydrology/hydraulic calculations in the case of drainage improvements, utility plans, and other data. Additionally, Psomas will review relevant design considerations for existing conditions, and assess deficiencies and the need for corrective action.

Task 2 — Topographic Survey and Base Map

Psomas will perform survey of the project site under the direction of a professional land surveyor or civil engineer properly registered in the State of California. This survey will consist of a field topographic survey and cross-sectional survey. The survey information will produce a Topographic Base Map at appropriate scale with all elevations tied to City/County benchmark(s).

Psomas offers cutting-edge technological means in fulfilling field topographic survey data which consist of the following:

Geospatial

For 75 years, Psomas has maintained a reputation for being a technological leader in the survey industry, and the Psomas Mobile Mapping System and terrestrial laser scanners reflect the latest cutting-edge scanning technology of today's scanning services. The Psomas Mobile Mapping System is a truck-mounted twin-sensor LiDAR (Light Detection and Ranging) scanning system collecting over one million points per second, while traveling at traffic speeds up to 65 miles per hour. Utilizing overlapping passes, mobile scanning can provide fast, high-resolution, 3D data collection for the "design-level" mapping of tunnels, roadways, railways, waterways, and utility corridors. Once the raw scan data is collected, specialized software incorporates the independent "point clouds" into a single registered geo-referenced "point cloud." Finally, standard CADD drawings and other client-specific deliverables can be "extracted" from this coordinated cloud of survey point data. When coupled with appropriate project planning and the right expertise, mobile and terrestrial scanning improves job safety, while still providing accurate, productive, and cost-effective survey deliverables.

The Psomas 3D Static Laser Scanning system is a non-intrusive method of rapidly collecting detailed and accurate as-built data. Based on cutting-edge technology, 3D Laser Scanning uses a narrow laser beam to sweep across an object, so that hundreds of thousands of closely spaced measurements can be taken in a matter of minutes. When these scanned measurements are displayed on a computer screen, a dense representation, or "point

cloud,” of the target results can then be viewed and navigated much like a 3D model. This method of data collection offers a broad variety of additional benefits including: site detail that exceeds the level that can be attained by conventional survey methods; optimal data collection for bridges and overhead utilities; integration with high-resolution photography for a thorough and complete data set;; ability to work in daylight or at night; indoors or outdoors; non-interference with ongoing operations or construction activities; and increased safety for survey field crews, other contractors, and the public.

Subsurface Utility Engineering

Excavation is a dangerous component of many construction projects, leading to an increased risk of injuries taking place on the job site if ignored. Thus, utility detection is crucial to ensure the success of the job without facing injury risks. The Psomas Team has over 35 years of experience providing underground utility detection services including standard utility detection, underground pipe locating, assessment and inspection, concrete scanning and survey grade mapping services. Our utility detection team uses the most innovative tracing equipment to locate underground utility lines and markup the areas prior to or in lieu of excavation. We offer multiple reporting options, from marks on the ground to an AutoCAD drawing that details all underground utilities to suit our clients’ needs.

Task 3 — Geotechnical Investigation

Working with the City-assigned geotechnical subconsultant. Psomas will perform soil testing which may include bearing, trench/backfill constraints, groundwater presence, and other types

of testing to gather information and characterize subsurface soil for purposes of trench excavations, bedding, backfill materials, and slopes and embankment construction.

Task 4 — Environmental

With the support of our in-house Environmental Services Team, Psomas will prepare pertinent environmental documentation to meet the requirements of CEQA and NEPA for federally funded projects. The team will submit environmental findings to Caltrans’ Environmental section, subject to the approval of City Council. Technical studies to the project will be prepared.

For qualified projects, Psomas staff typically provides a project description and graphic, as well as fills out the City’s Environmental/Project Information Form and a Notice of Exemption for City staff to process. Public meetings and workshops may be part of the environmental process and documentation.

Task 5 — Utility Notification, Research, and Mapping

Psomas will perform a detailed utility investigation of the project site. This will include a request through Dig Alert and an investigation of available records for data needed to avoid design conflicts. Available plans from the City’s Public Works Department will also be obtained. Notices will be sent out to utility companies known to be present within the project limits requesting utility locations, atlas maps and plans. A project log of all utilities will be generated showing the status of each information request. The log will be updated during the life of the project.

Psomas' full-service Subsurface Utility Engineering (SUE) team will pothole and locate utilities that are deemed to be critical and may be impacted by the proposed underground construction. Considering the gravity nature of either a storm drain or sewer pipeline, the importance of utility conflict detection and resolution cannot be overstated.

Upon completion and approval of Preliminary Engineering work (prior to Draft submittal), a second utility notice with preliminary plans will be sent, requesting verification of facilities and required coordination of anticipated relocation or protection of existing facilities. Final improvement plans will be transmitted to all utility companies whose facilities are within the project site, informing them of the anticipated bidding period, anticipated construction schedule, and proposed timeframe of any relocation required of them.

Task 6 — Preliminary Engineering

Street Rehabilitation and Reconstruction Projects.

Preliminary engineering would often involve the vetting of rehabilitation alternatives based on desired pavement design life, which is typically 20 years. Recommended pavement sections are a function of traffic loading, existing pavement and subgrade conditions, and available budget. It is fitting for preliminary cost estimates to be included to determine whether or not a mitigation measure fulfills what the City would like to accomplish, while balancing it with other improvement needs such as curb/gutter, sidewalk replacements, curb ramp reconstruction, and potential safety improvements considered.

Projects Involving Parking Lots Or

Like Off-Street Facilities. Parks or active transportation facilities, accessibility, safety and connectivities are paramount considerations. Often, preliminary engineering consists of alternative alignments, layouts that are designed to optimize and encourage usage of the facilities once constructed. Proximity of crossings, access roads and safety/security are weighed at this stage where enhancements, which could include security lighting, high visibility crosswalks, and sight distance corrections by way of parking restrictions, are proposed. A few practical considerations in a parking lot/ADA-related design apply, as shown below:

- ▶ Locate ADA stalls with the shortest path of travel to facility/building.
- ▶ Review the number of stalls required per City of Huntington Beach's Municipal Code.
- ▶ Consider ratio of ADA stalls to the number of total parking spaces per ADA Table 208.2. For instance, a 1-to-6 ratio of required ADA van stalls to regular ADA stalls is typically required.
- ▶ Running slopes generally need to be flatter than <5% and no more than 2% cross-slope, which is required for ADA compatibility.

Storm Drain/Drainage Projects. Psomas recommends preparation of a Preliminary Drainage Study (PDS) where consensus on key design elements is typically reached. The PDS typically consists of geometric approval drawings, a review of utility constraints and possible relocations, alternative pipe materials/construction methods (pre-cast versus cast-in-place), and costs for various alternatives.

In relation to water quality, the City of Huntington Beach is required to comply with the prevailing Municipal NPDES Storm Water Permit, which is part of the Santa Ana Regional Board. Preliminary and Final Water Quality Management Plan (WQMP) and SWPPP requirements per said permit will be followed.

Task 7 — Construction Document Preparation Phase

Final design will commence upon approval of Preliminary Engineering by the City. Changes or additions required as a result of the preliminary design review will be incorporated into the final design as deemed necessary. Final calculations and studies will also be performed and completed, and ‘preferred’ alternative alignments, structures, materials will be developed.

As part of the Construction Document PS&E package, final construction plans and details will be prepared which will show all of the proposed improvements to successfully complete projects. The plans will be concise and constructible showing the disposition of all existing facilities within the project area and limits of all proposed improvements so the project can be bid and constructed with a minimal number of questions/requests for information. Base plans of the project site will be prepared at the appropriate scale and final plans can be provided to the City digitally. Base plans will display existing topographic features and accumulated data, including pipe stationing, rights-of-way, surface features, pertinent street or other reference alignment stationing, and existing utilities.

Based on the approved Preliminary Engineering, utility research, base mapping, and topographic survey prepared during the preliminary engineering phase, Psomas will prepare plans, profiles and details for a proposed improvement project and any utility line relocations. PS&E packages will be prepared for submittal to the City at Draft, Final Draft, and Final (100%) completion levels. Depending on project improvements at hand, the PS&E package may include the following:

- ▶ Title Sheet including Index Map
- ▶ Typical Section and/or Details
- ▶ Street Plans and Profiles
- ▶ Grading and Drainage Plans (for parking lot/ADA projects)
- ▶ Signal/Striping and Geometric Plans
- ▶ Details Sheets (including curb ramp details)
- ▶ Construction Staging and Traffic Control Plans
- ▶ Water Quality Management Plan, as applicable
- ▶ Storm Water Pollution Prevention Plan, as applicable

At Psomas, we pride ourselves on producing biddable, constructible plans for our clients. We have 75 years of experience in producing plan sets that include every detail needed to do just that.

Special Provisions

Psomas will also prepare special provisions to be incorporated into the boilerplate project specifications provided by the City, which are assumed to provide the notice inviting bids, instructions to bidders, bidder’s information, agreement, bond and insurance forms, general conditions, and other applicable information. Final specifications, including special provisions and references to supplement the Standard

Specifications for Public Works Construction (Green Book) and/or the Caltrans Standard Specifications, will be prepared and will include Federal provisions, as required.

Technical specifications may include dewatering requirements. Standard specifications including those of Los Angeles County's Gray Book and others will be included, as needed. Standard plans, special permitting requirements, potholing and geotechnical reports, and a sample contract, will be provided in the Appendix.

A final construction quantity estimate and bid schedule will be incorporated into the contract documents and an Estimate of Probable Construction Costs will be submitted. The final design package will then be submitted to the City and appropriate agencies for review and approval.

Calculation Backups

As required, Psomas will submit calculation backups pertinent to a PS&E submittal that may include hydrology, drainage, curb return, profile and sight distance calculations.

Opinion on Probable Cost (Engineer's Estimates)

Psomas will furnish an accompanying Opinion on Probable Cost (also known as an Engineer's Estimate) for bidding and construction. Appropriate labor and material unit costs, recent bids and available databases such as Caltrans' Construction Cost Data will be used. It is important the estimate resembles how bid items are to be organized to facilitate construction bidding and tabulation and final bid analysis for award.

Task 8 — Project Meetings and Coordination

Depending on the size and complexity of the project, Psomas strives to meet with project stakeholders on a regular basis to provide project status reports, updated schedules, and a list of outstanding issues and coordination required. The project status reports will identify the status of tasks, possible issues, and proposed solutions.

Task 9 — Bidding and Construction Phase Services

Assistance will be provided to City staff during construction bidding, including review and recommendation for approval of addenda and clarification to the plans and specifications. Our proposed Project Manager will typically attend the pre-bid meetings, respond to RFIs and addenda, and assist in bid evaluation. Psomas can also attend pre-construction meetings with the construction contractor and will be available to answer any questions that may arise. Our project team will review shop drawings and material submittals and make comments and recommendations as required. Informal field investigations, including the marking of removal areas, will be performed. Our project team will be available on short notice for on-site reviews of construction.

Based upon red-lined as-builts furnished by the City/Contractor, Psomas will revise the original construction drawings to reflect "Record Drawing" conditions and furnish final drawings in the format requested by the City.



Arief Naftali, PE, TE, EE, RSPI, ENV SP

Project Manager

Arief Naftali is a licensed civil, traffic, and electrical, engineer in California with 20 years of hands-on professional experience in the design and management of various road, traffic, civil, site, highway, and engineering projects serving multiple local and regional agencies in Southern California, including Caltrans. Arief is adept in roadway infrastructure, site development, active transportation, traffic engineering, outdoor electrical, and transportation planning projects, delivering improvement needs to local and regional communities alike. Arief's project portfolio encompasses a full range of projects starting from planning and design, through construction.

REGISTRATION

2016/Electrical Engineer/
CA #21570

2005/Traffic Engineer/
CA #2296

2003/Professional Engineer/
Civil/CA #64286

Road Safety Professional
Level 1

EDUCATION

2004/MS/Civil Engineering
(Transportation
Engineering)/California State
University, Long Beach

2001/MA/Organizational
Management/Azusa Pacific
University

1999/BS/Civil Engineering/
California State Polytechnic
University, Pomona

CERTIFICATION

Envision Sustainability
Professional/Institute for
Sustainable Infrastructure

PROFESSIONAL AFFILIATIONS

- ▶ American Public Works Association
- ▶ Institute of Transportation Engineers

Experience

City of Laguna Beach, Catalina Street Permanent Roundabout – Laguna

Beach, CA: Project Manager for the development of a set of construction documents for converting an existing, temporary, single-lane roundabout at the junction of Catalina Street, Los Robles, and El Camino Del Mar to a permanent, single-lane roundabout with a center, landscaped island. Improvements include curb extensions, curb ramps, signage, striping, pavement markings, crosswalks at all five approaches, landscaping, and lighting in parkway areas and at the center of the island. Arief is responsible for the project management and day-to-day design of the project. Also in charge of subconsultant management with a local landscape architect.

City of Anaheim/Walt Disney Company, Manchester Avenue Widening

– Anaheim, CA: Project Manager for developing the PS&E for improving Manchester Avenue including a new sidewalk, landscaping, street lighting, water meter and irrigation system, 8-foot-high fence and footing, erosion control, temporary traffic control, and new driveway.

Marine Avenue and Liberty Village Improvement Projects – Manhattan

Beach, CA: Project Manager for the design of pavement rehabilitation and ADA accessibility improvements on Marine Avenue between Sepulveda Boulevard and Aviation Boulevard, and in Liberty Village. Psomas is designing the final construction plans, specifications, and estimates (PS&E) as well as critical pedestrian accessibility improvements by upgrading curb ramps to meet current ADA requirements, refreshing striping, and restoring impacted traffic signal loops at necessary intersections. Arief is responsible for managing the design team and budget to make sure the projects stay within the Proposition C and Measure R funding constraints, and keeping the project on track to meet the aggressive six-month schedule.

Crenshaw Boulevard Rehabilitation (182nd Street to Redondo Beach

Boulevard) – City of Torrance, CA: Project Manager for rehabilitation of Crenshaw Boulevard, from 182nd Street to Redondo Beach Boulevard, a multi-lane roadway with center turn lanes and parking lanes. The pavement within the project limits is deteriorated and required rehabilitation by cost-effective and strategic method(s), which included a combination of one or more of the following: localized repairs (“dig outs”), grind/overlay, and reconstruction. Other improvements consisted of: replacement of displaced curbs, gutters, and sidewalk; signing and striping, landscape improvements, and traffic signal modifications. Within the project limits there are

two (2) signalized intersections that were upgraded. The project's construction budget is \$3,200,000, not including construction management and inspection. Psomas Team services included a design topographic survey; utility research and notification, potholing, and coordination; base sheets; traffic index calculations, pavement evaluation review/design; roadway rehabilitation plan and profile; traffic signal medication plans; traffic control and staging plans; quantity calculations and cost estimate; and project specifications.

City of Dana Point, Town Center at Pacific Coast Highway and Del Prado –

Dana Point, CA: Traffic Engineer for the Dana Point downtown revitalization project that converted the roadway at Pacific Coast Highway (PCH) and Del Prado from one-way to two-way. Psomas designed signal modifications for nine intersections in the Dana Point Town Center and conducted a planning-level analysis to provide all direct property access via alleys in the Town Center. The design enhanced the pedestrian experience by widening sidewalks while retaining on-street parking; reflects the unique coastal environment; and created stronger linkages to the natural features along the bluff and other destinations such as the Marina. The project required right-of-way improvements to return PCH to two-way operations, traffic signalization, striping and signing modifications, new bus stops, several landscaped medians, a new storm drain system, and road widening.

Glendale-Hyperion Complex of Bridges Improvement Project – Los Angeles,

CA: Traffic Engineer for the Project Report (PR) and Plans, Specifications, and Estimate (PS&E) for rehabilitation of this complex of six bridges. Improvements include widening the Glendale Boulevard bridges; realigning the I-5 northbound off - and on-ramps and Los Angeles River bike path; adding a median barrier on the Hyperion Avenue Viaduct, designing retaining walls, traffic signals, drainage system improvements, and infiltration basins; and improving pedestrian facilities including the Red Car pedestrian bridge and the Sunnynook pedestrian loop trail. The project involved coordination with various stakeholders and the use of various agency standards such as Caltrans, City of Los Angeles, FHWA, and AASHTO.

Complete Streets Program (TOS 38) – Los Angeles, CA: Traffic Engineer in support of HNTB for the PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitate of 22 miles of roadway. Surveying services included developing a design survey base map that notes the centerline and resultant street rights-of-way of the various streets established from found monumentation.

Colima Road Rehabilitation – City of Whittier, CA: Traffic Engineer for reconstruction of Colima Road between Mar Vista Street and Lambert Street, a distance of 1.5 miles. Provided civil and traffic engineering design services that included development of roadway plans, curb ramp reconstruction details, signing-striping plans, temporary traffic control plans and encroachment permit with Caltrans District 7. Preparation of Engineer's Estimate and Special Provision and support was provided during construction.



Andrew Nickerson, PE, QSD/QSP, ENV SP

Principal-in-Charge

Andrew Nickerson has 29 years of experience providing design support, management, and oversight of roadway improvement projects throughout Southern California. His experience has involved the full spectrum of services required for these projects, including the preparation and QA/QC oversight of RFI responses through full Public Works Plans. This is backed by years of design and oversight of ADA compliance, utility coordination, stormwater and water quality Best Management Practices (BMPs), permitting, and agency coordination.

REGISTRATION

1997/Professional Engineer/
Civil/CA #56808

EDUCATION

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

1992/BS/Civil Engineering/
Columbia University

1991/BA/Physics/College
of Holy Cross, Worcester,
Massachusetts

CERTIFICATIONS

2013/Envision Sustainability
Professional/Institute for
Sustainable Infrastructure

2011/Qualified SWPPP
Developer/Practitioner

PROFESSIONAL AFFILIATIONS

- ▶ American Society of Civil Engineers, Los Angeles Section
- ▶ American Council of Engineering Companies, Los Angeles County Chapter

Experience

Orange County Parking Lots, Strands Beach Parking Lot/Carbon Canyon Regional Park, Orange County Public Works – Orange County, CA:

Principal-in-Charge for assessment of pavement condition and application of appropriate treatment type to the facility in order to achieve the longest design life relative to cost for Carbon Canyon Park and Strands Beach Parking Lots. A Pavement Evaluation and Repair Recommendations Report to provide options on pavement rehabilitation for several types of pavement failure. Through several detailed meetings with County staff, evaluated alternatives and associated construction costs. Managed redesign of existing access ramps and sidewalks throughout the park to bring them up to current ADA standards. Many of the ramps straddled two jurisdictions so coordination between two agencies was required.

Catalina Street Permanent Roundabout – City of Laguna Beach, CA:

Principal-in-Charge for the development of a set of construction documents for converting an existing, temporary, single-lane roundabout at the junction of Catalina Street, Los Robles, and El Camino Del Mar to a permanent, single-lane roundabout with a center, landscaped island. Improvements include curb extensions, curb ramps, signage, striping, pavement markings, crosswalks at all five approaches, landscaping, and lighting in parkway areas and at the center of the island.

Glendale-Hyperion Complex of Bridges Improvement Project – Los Angeles, CA:

Principal-in-Charge for the Project Report and PPS&E for rehabilitation of this complex of six bridges. Improvements include widening Glendale Boulevard bridges; realigning the I-5 northbound off - and on-ramps and LA River bike path; adding a median barrier on the Hyperion Avenue Viaduct, designing retaining walls, traffic signals, drainage system improvements, and infiltration basins; and improving pedestrian facilities including the Red Car pedestrian bridge and the Sunnynook pedestrian loop trail. The project involved coordination with various stakeholders and the use of various agency standards such as Caltrans, City of Los Angeles, FHWA, and AASHTO.

Marine Avenue and Liberty Village Improvement Projects – Manhattan Beach, CA:

Principal-in-Charge for design of pavement rehabilitation and ADA accessibility improvements on Marine Avenue between Sepulveda Boulevard and Aviation Boulevard, and in Liberty Village. Psomas is designing final construction PS&E, as well as critical pedestrian accessibility improvements by upgrading curb ramps to meet current ADA requirements, refreshing striping, and restoring impacted traffic signal loops at necessary intersections.



Reuben Tolentino, CCM, DBIA, ENV SP

Client Liaison

Reuben Tolentino has 22 years of experience in providing construction management and inspection services. His experience includes management of staff and consultants, project management, construction management and inspection, constructability review, value engineering, construction documents and specifications, claim dispute resolution, contract administration, community outreach, bidding assistance, project controls, and scheduling review for both the public and private sectors.

EDUCATION

1997/BArch/Architecture/
California State Polytechnic
University, Pomona

CERTIFICATIONS

Certified Construction
Manager/Construction
Management Association of
America

Envision Sustainability
Professional/Institute for
Sustainable Infrastructure

Designated Design-Build
Professional/Design-Build
Institute of America

PROFESSIONAL AFFILIATIONS

- ▶ American Public Works Association, Southern California Chapter
- ▶ Construction Management Association of America, Southern California Chapter
- ▶ Design-Build Institute of America

Experience

On-Call Construction Management and Project Management – City of Long Beach, CA: Program Manager overseeing project/construction management, and inspection of various CIP Projects citywide including projects with various roadway and facilities improvements. Tenant improvements include structural repairs; bathroom remodeling; community room upgrades, circulation counters, carpet, paint, electrical and mechanical upgrades, demolition, asbestos and lead abatement, sustainability upgrades, landscape and irrigation, parking lot and ADA upgrades, and playground rehabilitation projects.

On-Call Project Management and Construction Management Services – City of Huntington Beach, CA: Project Manager providing the City and its various departments with program, project and construction management services. Since the start of this contract in 2013, Psomas has provided services for Labor Compliance Services for Adams Avenue and Atlanta Avenue Street Rehabilitation Projects, and Labor Compliance Services for Edinger Avenue and Warner Avenue Street Rehabilitation Projects.

On-Call Project and Program Management Services – County of Orange, CA: Project Manager for estimating and scheduling support, cost control, document control, and management of information to ensure timely and cost-effective capital and/or maintenance-repair projects. Project management tasks included support services, building repairs or building physical makeup that meet aesthetic, functional, structural, and safety factors for the construction or repair of any type of building component, or any aspect of a building or structure; and ensuring that these items meet applicable codes and standards.

Katella Avenue Smart Street Improvements – City of Anaheim, CA: Project Director to provide construction management and inspection services during construction of the \$4 million Katella Avenue Smart Street Improvements project. The project was located along Katella Avenue in Anaheim, between South Humor Drive and South 9th Street, and included construction at the major intersection of Katella Avenue and Euclid Avenue. Work included the inspection of new traffic signal lights and loops installation, roadway reconstruction, AC paving and re-paving, installation of storm drains, construction of a drainage channel, block sound wall, and new sidewalks/curbs and gutters. The team also monitored contractor compliance with the storm water pollution prevention program (SWPPP).



Carrie Davis, PE

QA/QC Manager

Carrie Davis has 25 years of experience primarily in Orange County where she has successfully managed and designed dozens of local arterial highway, interchange, and multi-use trail improvement projects. Her expertise ranges from preparing preliminary studies to developing the final construction PS&E for highway, local street, and multi-use trail improvement projects. She has a strong understanding of Caltrans policies and procedures, environmental planning and permitting, and those of County and local agencies.

REGISTRATION

2001/Professional Engineer/
Civil/CA #61840

EDUCATION

BS/Civil Engineering/
California State University,
Sacramento

Experience

Oso Creek Multi-Use Trail Preliminary Design and PS&E – City of Laguna Niguel, CA: Project Manager for preliminary and final design services for the Oso Creek Multi-Use Trail along the western edge of Forbes Road between its northern terminus and the Metrolink Commuter Rail Transit Station to the south. The project consisted of a bicycle/maintenance access road with an adjacent pedestrian/equestrian trail between Forbes Road and Oso Creek Channel. The City's Gateway Specific Plan includes redevelopment of the Forbes Road District into a more pedestrian friendly, Transit Oriented Development. The Oso Creek Multi-Use Trail provides direct connections from the recently constructed multi-family developments to the Metrolink Station. Additional improvements to Forbes Road included a road diet and water quality treatment facilities including pervious asphalt in interlocking pavers, bioretention/biofiltration parkways, and an under-drain system.

I-5/Crown Valley Parkway Corridor PS&E – City of Laguna Niguel, CA: Design Manager for coordinating the multi-disciplined design team along with the several project stakeholders and affected property owners on this multi-phased project. A combined project Initiation Document and project approval and environmental document (PA/ED) was prepared, followed by PS&E for major capacity and operational improvements as part of the I-5/Crown Valley Parkway Corridor Improvement project. The improvements lengthened the existing right-turn lane approach to the southbound I-5 on-ramp and added an additional lane through the northbound I-5 on-ramp intersection. Locally initiated by the cities of Laguna Niguel and Mission Viejo and supported by OCTA and Caltrans through multiple funding sources, the I-5/Crown Valley Parkway Interchange is a model of planning, programming, design and construction of a regionally significant transportation project.

Bridge-Class Culvert Replacement, Caltrans D-12 12A1695 TO#1 – Laguna Beach, CA: As Project Manager, oversaw development of PS&E for replacement of a 100-year old culvert which crosses a very busy portion of Pacific Coast Highway in downtown Laguna Beach. The project involves close collaboration with Caltrans to develop constructable solutions for replacement. Advanced locating methods were utilized, such as ground penetrating radar to better understand likely conflicts around an aging facility with limited as-built information. The design team had to work with significant constraints to develop the PS&E package, including many utility crossings, hazardous materials found in the surrounding soils, City requirements to maintain traffic through the often congested roadway, and site restrictions that did not allow surveyors to accurately locate the existing facility.

I-5/La Novia Interchange PEER and Plans, Specifications, and Estimate – City of San Juan Capistrano, CA: As Design Manager, led the project across all disciplines to deliver the first roundabout on the State Highway System in District 12. One of the most challenging aspects of this four-legged roundabout project was consideration of the steep grade on La Novia on the approach to the intersection. Detailed profile and contour grading plans were prepared to flatten the intersection to the 4% maximum grade allowed by Caltrans. Ms. Davis worked with designers to prepare Technical Specifications, DSDD, and PEER during PS&E. She also led PDT and other meetings with the client and Caltrans.

Culver Drive Widening and Realignment Plans, Specifications, and Estimate – City of Irvine, CA: As Project Manager, led the multi-disciplined design team for improvements to Culver Drive from Campus Drive to Bonita Canyon Drive. Improvements included the complete removal and reconstruction of the existing two-lane roadway by shifting the centerline and re-profiling the roadway to construct a new four-lane arterial with a raised median and a separate Class I meandering bike path. Temporary Construction Easements were required for the 96 residential properties that abut the project. Existing property walls were removed and reconstructed with sound walls (masonry block or plexi-glass) as required to mitigate noise and visual impacts. Unique design features of the project included water quality swales, a subterranean storm water detention facility, lowering the roadway to increase the stopping sight distance over a crest vertical curve, acoustical analysis and sound barrier design, landscaping, utility relocation and protection, and right-of-way acquisition services for 96 private properties.



Linda Luu, PE, QSD/QSP, ENV SP

On-Street Improvements

Linda Luu has 11 years of experience across multiple markets. She has built her career with design and design-build projects in water quality, chemical demilitarization, nuclear plants, environmental rehabilitation/remediation, street improvements and private development. Her prior experience employed with public agencies acquainted her with program funding and public works rehabilitation projects. Project responsibilities includes all aspects of a project from start to end - proposal support, entitlement support, civil site design, plans, specifications and estimates (PS&E), permitting, and field engineering duties. Linda is a Qualified SWPPP Developer and Practitioner, Envision Sustainability Professional, and a licensed Professional Engineer in the State of California. Linda currently serves on the Board of Directors for the American Society of Civil Engineers, Metropolitan Los Angeles Branch, and previously for the Los Angeles Younger Member Forum.

REGISTRATION

2014/Professional Engineer/
Civil/CA #83274

EDUCATION

2009/BS/Civil Engineering/
California State Polytechnic
University, Pomona

CERTIFICATIONS

Envision Sustainability
Professional/Institute for
Sustainable Infrastructure/
#11728

Qualified SWPPP Developer/
Practitioner/State Water
Resources Control Board

Safety Assessment Program/
California Governor's Office
of Emergency Services/
#89029

PROFESSIONAL AFFILIATIONS

American Society of Civil
Engineers, Los Angeles
Branch

Experience

City of Los Angeles, Complete Streets Program (TOS 38) – Los Angeles, CA: Project Engineer for Plans, Specifications, and Estimate preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitate of 22 miles of roadway. Meticulous planning and management were needed to coordinate with multiple design teams, disciplines, and City departments to achieve the City's goals, objectives, and aggressive schedule. Surveying services include developing a Design Survey Base Map that notes the centerline and resultant street rights of way of the various streets established from found monumentation. Mapping included the location of all surface visible improvements, including utilities, driveways, curbs, flowlines, and ramps over 22 miles of roadway. The street centerlines of 22 miles of roadway were established by field survey and Right of Way was based on Los Angeles County Assessor's Maps and/or underlying maps of record.

Glendale-Hyperion Complex of Bridges Improvement Project – Los Angeles, CA: Project Engineer for the Project Report (PR) and PS&E for rehabilitation of this complex of six bridges. Improvements include widening the Glendale Boulevard bridges; realigning the I-5 northbound off- and on-ramps and Los Angeles River bike path; adding a median barrier on the Hyperion Avenue Viaduct, designing retaining walls, traffic signals, drainage system improvements, and infiltration basins; and improving pedestrian facilities including the Red Car pedestrian bridge and the Sunnynook pedestrian loop trail. The project involved coordination with various stakeholders and the use of various agency standards such as Caltrans, City of Los Angeles, FHWA, and AASHTO.

Cumulus Media – Los Angeles, CA: Design Engineer for this signature mixed-use project at the corner of La Cienega Boulevard and Jefferson Boulevard. Psomas provided entitlements, surveying and mapping, and full-service civil engineering for the entire project. Linda was the lead civil designer for site utility layout, grading and drainage including building podium grading, grease interceptor design, low impact development using drywells, and on-site traffic striping. She managed civil design and permitting in the right-of-way comprising of new public sewer mainline extension, median island modifications, new sidewalk, curb ramps, curb and gutter,

and revocable permit. Part of her responsibility was to also work with LADOT to determine substitute mitigations in order to resolve the traffic mitigation measures recommended in the EIR. Linda also oversaw the permitting for traffic signal and street lighting design, private driveway name establishment, and off-site mitigation measures through Caltrans and the B-Permit process while working alongside the design build client team.

Alameda Square Garage (Right-of-Way DTLA Parking Structure and Campus Development) – Los Angeles, CA: Project Engineer for civil engineering services for this 10-level, 4,000 space parking structure to serve right-of-way DTLA, a mixed-use project that will be home to approximately two million SF of buildings across thirty acres of gardens and walkable streets. Provided civil engineering design for the renovation of the six-building campus including new utility connections, stormwater management design, and site grading for each building as it is being renovated and converted into creative office space. This work included the creation of a new signalized intersection through the City of Los Angeles B-permit plan process.

First at Broadway Civic Center Park – Los Angeles, CA: Project Engineer for civil engineering services related to the Civic Center Park located at First Street and Broadway in Downtown Los Angeles. Services include preliminary engineering, grading and drainage plan, wet utility plan, water quality plan, Storm Water Quality Management Plan, horizontal control, striping, and signage plan, and engineering support.

East San Fernando Valley Transit Corridor Project (LA Metro) – San Fernando Valley, CA: Staff Team on this project consisting of preliminary engineering and supporting the development of technical documents for design-build (D-B) procurement, D-B bid support and design services during construction. The East San Fernando Valley (ESFV) Light Rail Line is a 9.2-mile high capacity transit route connecting the Metro Orange Line in Van Nuys to the Metrolink Sylmar/San Fernando Station, one of the busiest thoroughfares in the San Fernando Valley, which includes 17 stations and an Operations and Maintenance facility through a mix of shared corridor with Union Pacific and Metrolink and street running guideway. Psomas is providing utility engineering design, topographic surveying, and right of way engineering services for the Los Angeles County Metropolitan Transportation Authority on the ESFV Transit Corridor project, located in San Fernando Valley, Los Angeles County.

Rise Hollywood – Hollywood, CA: Project Engineer for this \$110 million, 7-story, mixed-used development with two levels of subterranean parking on an existing 2-acre lot at 1331 N. Cahuenga Boulevard. Services include civil engineering and entitlement assistance along with on-site civil scope and off-site design through the City of LA B-permit process. In order to create one contiguous project site, a street vacation was pursued to remove a portion of the existing Homewood Avenue. This work also included the re-route of approximately 650-ft and hydraulic analysis of an existing 24-inch storm drain around the project site to facilitate the street vacation. Linda coordinated the necessary pot-holing activity with the contractor to properly design and reroute the new storm drain through a congested section of Cahuenga Boulevard and Fountain Avenue. She also led the effort to clear the necessary critical path items including utility relocation design or abandonment, building easements, and street tree removal permit. While the street vacation was being processed, Linda spearheaded the task to obtain a revocable permit which allowed for street demolition and building construction within Homewood Ave. This revocable permit was necessary to prevent construction delays which was key to continue project funding.



Ion Cretu, PE

Off-Street Improvements

Ion Cretu has more than 22 years of civil engineering experience. He has experience in design of on- and off-site improvements for projects. Ion provides civil engineering for the design of multi-building campuses. In addition to design, Ion also provides coordination for production and City of Los Angeles processing.

Experience

REGISTRATION

2007/Professional Engineer/
Civil/CA #71513

EDUCATION

1995/BS/Forest Engineering/
Transylvania University of
Brasov, Romania

CERTIFICATIONS

Qualified SWPPP Developer
and Practitioner/California
Stormwater Quality
Association

Envision Sustainability
Professional/Institute for
Sustainable Infrastructure

LEED AP BD+C/U.S. Green
Building Council

LEED-ND/U.S. Green
Building Council

PROFESSIONAL AFFILIATION

- ▶ American Society of Civil
Engineers

Orange County Parking Lots, Strands Beach Parking Lot/Carbon Canyon Regional Park, Orange County Public Works – Orange County, CA:

Project Manager to assess pavement condition and apply appropriate treatment type to the facility in order to achieve the longest design life relative to cost for Carbon Canyon Park and Strands Beach Parking Lots. Prepared a Pavement Evaluation and Repair Recommendations Report to provide options on pavement rehabilitation for several types of pavement failure. Through several detailed meetings with County staff, evaluated alternatives and associated construction costs. Managed redesign of existing access ramps and sidewalks throughout the park to bring them up to current ADA standards. Many of the ramps straddled two jurisdictions so coordination between two agencies was required.

Complete Streets Program (TOS 38) – Los Angeles, CA: Technical Manager in support of HNTB for the PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitate of 22 miles of roadway. Meticulous planning and management were needed to coordinate with multiple design teams, disciplines, and City departments to achieve the City's goals, objectives, and aggressive schedule. Surveying services include developing a design survey base map that notes the centerline and resultant street rights-of-way of the various streets established from found monumentation.

Beverly Hills Office Project – Beverly Hills, CA: Project Engineer for civil engineering and survey services for the new two-story office building, approximately 24,000 SF, located in the City of Beverly Hills. The owner's development plan called for a custom office building including parking spaces to be located below grade. Project is evaluating LEED certifications.

Baldwin Hills Crenshaw Plaza Mall Renovation – Baldwin Hills, CA: Project Engineer for survey and engineering services including construction staking, parking lot layout, precise grading, drainage and paving plans for this 660,000 SF project. This project received the 2012 Los Angeles Architectural Award from the Los Angeles Business Council for Community Impact Transformational Development Award. Ion provided civil engineering services including parking lot layout, precise grading, drainage and paving plans, and coordination with the Department of Water and Power.

El Segundo Corporate Campus – El Segundo, CA: Project Engineer for this mixed-use project located on a 46.5-acre site in the northeast portion of the City of El Segundo. Recently submitted for a LEED Silver certification, this project consists of commercial buildings, hotel, soccer field, fire station, parking facilities, and a central park.

9900 Wilshire Boulevard – Beverly Hills, CA: Project Engineer providing civil engineering services for this collection of more than 200 luxury condominium residences comprising 13- and 15-story residential buildings, public and private gardens, water features, and a retail component designed by Richard Meier & Partners.

Raytheon Campus – El Segundo, CA: Project Engineer for civil engineering infrastructure and master planning services for the existing Raytheon property in El Segundo. Services included new public and private roadway, storm drain, sewer, water, technical EIR reports, and other infrastructure requirements. The proposed project involves construction of new of buildings for office and commercial uses which would total approximately 2,200,000 SF. Site development would also include surface parking and a private street with public utility easements. Development and construction of this program would be multi-phased. The technical reports consisted of a Sewer Area Study, Water Study, and Drainage Study.

Courtyard by Marriott at 5th Street and Colorado Avenue – Santa Monica, CA: Project Engineer for civil engineering services for the design development of a stormwater treatment concept to treat and infiltrate stormwater tributary to the proposed hotel. The 136-room hotel is a six-story building with two levels of underground parking. Tasks included preliminary grading and utility plans, erosion control plan, stormwater pollution prevention plan (SWPPP), construction support, LEED support, and streetscape improvement plan.

Hampton Inn and Suites (501 Colorado Avenue) – Santa Monica, CA: Project Engineer for civil engineering services for the design development of a stormwater treatment concept to treat and infiltrate stormwater tributary to the proposed hotel. The 143-room hotel is a six-story building with two levels of underground parking. Tasks included preliminary grading and utility plans, erosion control plan, stormwater pollution prevention plan (SWPPP), construction support, LEED support, and streetscape improvement plan.

Glendale Adventist Medical Center – Glendale, CA: Project Engineer for producing civil design and construction documents for the Glendale Adventist Medical Center. Services included design of roadway ingress and egress, utility design, phasing, and grading and drainage for the addition of an acute care tower to the existing hospital complex. The project also required design for the addition of a five-story, above-grade and three below-grade facility with the main entrance drive through at the ground level utilizing a podium grading scheme.



Steven Baine, PE

Stormwater (NPDES, WQMP, SWPPP)

Steve Baine has over 30 years of experience and provides civil engineering designs for all types of land development projects including commercial, industrial, institutional, high density and single-family residential and public improvements. His design tasks have included street, storm drain, grading, sewer, water and site design. He is also a proactive consultant to the client, architect, engineers, construction manager, contractor and other consultants. He has specialized experience in hydrology and hydraulic studies, water and sewer system analysis, storm water pollution prevention plans, and water quality management plans. He is proficient using various computer programs and mentoring other engineers to provide finished plans and reports. Additional skills include survey mapping, legal descriptions, topographic and staking calculations, tentative maps, agency research and processing, planning studies and CADD customizing and modeling.

REGISTRATION

1994/Professional Engineer/
Civil/CA #51327

EDUCATION

1989/BS/Civil Engineering/
University of California,
Irvine

CERTIFICATIONS

Envision Sustainability
Professional/Institute for
Sustainable Infrastructure

Qualified SWPPP Developer/
Stormwater Multiple
Application and Report
Tracking System

PROFESSIONAL AFFILIATIONS

- ▶ Institute for the
Advancement of
Engineering
- ▶ American Society of
Civil Engineers, Orange
County Branch

Experience

Cameo Highlands Street Reconstruction – City of Newport Beach, CA: Senior Project Engineer to develop a plan for street reconstruction within the Cameo Highlands neighborhood in the City of Newport Beach. Psomas provided civil engineering, surveying, and project management services for development of the street and ADA improvements, ensuring proper drainage is maintained, and providing wet utility mapping and horizontal control of the project.

Lake Forest Sports Park – Lake Forest, CA: Project Engineer for grading and drainage studies of the proposed sports park. The studies were performed in order to prepare the boundary for the proposed park and assist in developing the park site plan. Legal exhibits and descriptions were prepared showing the park boundary and the environmentally protected areas (County parcels) that would be swapped between the City of Lake Forest and County of Orange. Psomas' services for the park design included developing the preliminary alignment and profile of Rancho Parkway, on-site road alignment, public water system design, storm drain design, water quality design, coordination with all utility purveyors and coordinating landscape improvements. Final design included providing schematic, design development and precise grading, drainage, paving and utility plans; sewer, water and storm drain plans; hydrology and hydraulic studies; horizontal control plans; erosion control plans; topographic field and boundary surveys; construction quantities and cost estimates; NPDES permit and SWPPP; Water Quality Management Plan, and construction administration and bidding support.

15th Street/Balboa Boulevard Revitalization – Newport Beach, CA: Senior Project Engineer for development of a plan for reconstruction of 15th Street from West Oceanfront to Newport Bay. The project's scope included a new signalized intersection at Balboa Boulevard and 15th Street, reconfiguration of 15th street parking layout, striping, drainage, sidewalks, curbs, and landscaping improvements; construction of curb extensions and expanded median planters along Balboa Boulevard from 12th Street to 21st Street; vehicular turnaround design studies; and construction quantity estimates, bid schedules, and project specifications. Psomas was the lead consultant on this project and provided project management and design coordination with the City of Newport Beach, landscape architect and traffic engineer.

Mission Viejo Medical Office Center – Mission Viejo, CA: Project Engineer for civil site engineering services for NCA Real Estate plans to develop a 100,000 SF, three-story medical office building with a five-level parking structure for a minimum of 500 cars. The site is located between The Shops of Mission Viejo ring road and Medical Center Drive on a site that has approximately 50 to 55 feet of grade difference between the two roadways. Psomas' services included providing Final Conceptual Grading and Utility Plan, Preliminary Hydrology and Hydraulic Studies, Preliminary Water Quality Management Plan, Conceptual Street Improvement Plan, and Tentative Parcel Map.

Irvine Spectrum 5 - Phase 2 – Irvine, CA: Project Engineer responsible for providing engineering services for expansion of the Spectrum Entertainment Center. The expansion includes addition of two three-story parking structures and the relocation of associated infrastructure. Each of these new structures provides an additional 500 parking stalls to accommodate the traffic anticipated with the expansion to the retail development. The project's scope of work included reviewing the composite utility as-built base map required to generate system designs for schematic water, sewer, and storm drain. The preliminary design consisted of a grading study and drainage plan. The final scope of work included a precise grading plan, a storm drain improvement plans, a drainage report, an erosion control plan, a horizontal control plan, an underground fire line plan, and the coordination of dry utilities.

Irvine Spectrum 5 - Phase 2 – Irvine, CA: Project Engineer responsible for providing engineering services for expansion of the Spectrum Entertainment Center. The expansion includes addition of two three-story parking structures and the relocation of associated infrastructure. Each of these new structures provides an additional 500 parking stalls to accommodate the traffic anticipated with the expansion to the retail development. The project's scope of work included reviewing the composite utility as-built base map required to generate system designs for schematic water, sewer, and storm drain. The preliminary design consisted of a grading study and drainage plan. The final scope of work included a precise grading plan, a storm drain improvement plans, a drainage report, an erosion control plan, a horizontal control plan, an underground fire line plan, and the coordination of dry utilities.

As-Needed Engineering Design and Support Services, Water Resources – Los Angeles, CA: Project Engineer for the grading design to the County's Water Resources Division (WRD) Facilities Group. Project types under this four-year contract are comprised of grading, drainage, and small dam design. Psomas' scope of work also included conducting geotechnical borings and analysis, hydrology analysis, preparing design plans that address grading, ingress/egress, drainage, fencing, and landscaping. The final desired outcome is an updated ultimate fill plan and/or the development of interim fill plans for LADWP's 16 active Sediment Placement Sites (SPS), evaluating possible new SPS locations and improving capacities of existing debris basins.

City of Los Angeles, Staff Augmentation for Design Support & Construction Engineering (TOS 111) – Los Angeles, CA: Senior Project Engineer for street widening and storm drain improvements for Magnolia Boulevard in the City of Los Angeles. Provided street and storm drain improvements between Vineland Boulevard and Cahuenga Boulevard (approximately 2,700 feet/0.5 miles), and an extension of the existing 60-inch storm drain between Cartwright Avenue and Satsuma Avenue (approximately 1,300 feet). The design scope for this project included plan and profile sheets; sidewalk, driveway and curb ramp details; storm drain main and lateral profiles; street flow, catch basin and storm drain hydraulic calculations; signage and striping; and traffic signal design; cost estimating and specifications. Psomas was the lead consultant on this project, and provided project management and design coordination with the City of Los Angeles Bureau of Engineering and Department of Transportation.



Christopher Riehle, PLS

Surveying Services

Chris Riehle has 19 years of experience in a wide array of survey and mapping disciplines, including ALTA/NSPS Land Title Surveys, boundary analysis, topographic mapping, preparation and review of parcel maps, final maps and Records of Survey, lot line adjustments, legal description preparation, analysis and mapping of rights-of-way and easements, and extensive GPS post-processing and geodetic control network establishment throughout California and Nevada.

REGISTRATION

2018/CA/Professional Land Surveyor/9453

EDUCATION

2002/BS/Geography, GIS
Minor/California State
Polytechnic University,
Pomona

PROFESSIONAL AFFILIATIONS

- ▶ California Land Surveyors Association
- ▶ American Council of Engineering Companies
- ▶ Women's Transportation Seminar, Orange County Chapter

Experience

Orange County Fair and Event Center, California Construction Authority –

Costa Mesa, CA: Survey Manager for topographic survey of the entire 150-acre OC Fair & Events Center property in Costa Mesa. Project management included establishment of project survey control using a combination of GPS and conventional survey methods and oversight of topographic survey of the complete site consisting of compilation of aerial mapping and design-level ground survey. Design-level topographic survey included detailed data collection of all light towers, wires, cables, and surface-visible indications of utilities above and below ground, including, but not limited to, manholes, catch basins, valves, vaults, and indications of electrical, sewer, phone, and other subterranean uses. Topographic survey also included quantities and types of parking spaces on surface parking areas in the site. Aerial Mapping collected all visible features for roadway, utilities, and cultural items in support of the conventional ground survey. DTM breaklines and mass points supplemented select planimetric features for triangulation of a surface model and ultimately the creation of the 1' contours for the entire site.

On-Call Surveying Services, Orange County Public Works – Orange County, CA: Survey Manager to provide professional land surveying services on an as-needed basis to support the development, construction, improvement, and maintenance of existing and/or future projects. Scope of services includes records research, horizontal control, record of survey and corder record preparation procedures, global navigation satellite system surveys, cross-sections/scour study surveys, topographic surveys, terrestrial laser scanning, construction staking, right-of-way engineering, subsidence and deformation monitoring surveys, hydrographic surveys, unmanned aerial surveys, ALTA surveys, mobile LiDAR data collection, boundary surveys, and training.

Cameo Highlands Street Reconstruction – City of Newport Beach, CA: Office Surveyor for development of a plan for street reconstruction within the Cameo Highlands neighborhood in the City of Newport Beach. The project's scope consists of reconstructing the existing asphalt roadway, reconstructing deteriorated concrete flatwork, completing ADA improvements in the project limits, adjusting utilities to grade, installing street signs, and pavement striping. Psomas is providing civil engineering, surveying, and project management services for development of the street and ADA improvements, ensuring proper drainage is maintained, and providing wet utility mapping and horizontal control of the project.

I-405 Program Management – Orange County, CA: Project Surveyor for survey services in support of the Parsons Program Management team's 30-percent design plans for this 16-mile project. The project will add a general purpose lane and two express lanes in each direction, improve all exits and entrances to the freeway, and upgrade over 19 bridges. As part of the PMC team, Psomas is responsible for establishing project controls, pre- and post-construction Records of Survey, legal descriptions and plats, appraisal maps, design and drainage surveys, and monument preservation.

I-5 Improvements from Alicia Parkway to El Toro Road (Segment 3) –

Orange County, CA: Office Surveyor for two 3-mile corridor segments from SR-73 and the I-5 interchange north of El Toro Road. Processed GPS, level and conventional survey data; and computed boundaries, analyzed deeds, record maps, and survey monuments to determine right-of-way and parcel boundaries. Integrated aerial mapping, LiDAR mobile mapping and conventional surveying of the topography for design purposes. Filed a Record of Survey for monument preservation and acquisitions for legal descriptions for Caltrans.

Complete Streets Program (TOS 38) – Los Angeles, CA: Office Surveyor in support of HNTB for the PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitate of 22 miles of roadway. Surveying services included developing a design survey base map that notes the centerline and resultant street rights-of-way of the various streets established from found monumentation. Mapping included the location of all surface visible improvements, including utilities, driveways, curbs, flowlines, and ramps over 22 miles of roadway. The street centerlines of 22 miles of roadway were established by field survey and right-of-way was based on Los Angeles County Assessor's maps and/or underlying maps of record.

SR-91 Corridor Improvement, Riverside County Transportation Commission – Corona, CA: Project Surveyor for surveying and mapping services for construction of two tolled express lanes and a general purpose lane from the Orange County line to I-15, and a general purpose lane to Pierce Street. Services included boundary analysis for right-of-way, easement acquisitions overseeing land net resolutions, preparation of site-specific safety plans and traffic safety and control plans, legal descriptions and plats, and appraisal exhibit preparation. Deliverables were prepared in MicroStation using InRoads for calculations and closures.



Jennifer Marks

Environmental Planning

Jennifer Marks is a Senior Project Manager with 22 years of experience in environmental documentation and analysis consistent with CEQA and NEPA. Jennifer's career has focused on a wide variety of projects, including mixed-use, residential, office, and resort developments; specific plan and general plan analyses; transportation infrastructure; and various utility infrastructure projects. Through her project work, Jennifer has developed strong working relationships with agency personnel, County and City staff, private developers, and a variety of specialty consultants.

EDUCATION

1999/BS/Natural Resources,
Planning and Interpretation/
Humboldt State University

PROFESSIONAL AFFILIATIONS

- ▶ American Society of Civil Engineers
- ▶ Environmental and Water Resources Institute

Experience

Tustin Avenue and La Palma Avenue Roadway Improvements Initial Study/Mitigated Negative Declaration – Anaheim, CA:

Project Manager for environmental documentation for this project, which involved the widening of Tustin Avenue and La Palma Avenue to accommodate lane additions and restriping. The project implemented mitigation for additional traffic expected from Kaiser Hospital and required coordination with Caltrans to obtain an encroachment permit.

Glendale-Hyperion Complex of Bridges Improvement Project – Los

Angeles, CA: Environmental Project Manager for the Project Report (PR) and Plans, Specifications, and Estimate (PS&E) for rehabilitation of this complex of six bridges. Improvements include widening the Glendale Boulevard bridges; realigning the I-5 northbound off- and on-ramps and Los Angeles River bike path; adding a median barrier on the Hyperion Avenue Viaduct, designing retaining walls, traffic signals, drainage system improvements, and infiltration basins; and improving pedestrian facilities including the Red Car pedestrian bridge and the Sunnynook pedestrian loop trail. The project involved coordination with various stakeholders and the use of various agency standards such as Caltrans, City of Los Angeles, FHWA, and AASHTO.

Lincoln Bridge Multi-Modal Improvements – Los Angeles, CA: Environmental Lead for preparation of an environmental impact report and environmental assessment to improve circulation and safety along Lincoln Boulevard. The project proposes roadway modifications, installation of sidewalks and protected bicycle lanes, and implementation of complete streets Lincoln Boulevard.

Vereda Bikeway Underpass Preliminary Environmental Study – San Juan



Capistrano, CA: Assistant Project Manager for preparation of a Preliminary Environmental Study (PES) for the construction of a new undercrossing of the Los Angeles, San Diego (LOSSAN) Rail Corridor for the Vereda (San Juan Creek) trail crossing, ultimately connecting the eastern City limits of San Juan Capistrano with Doheny State Beach.


Brookhurst Street Improvements Project Environmental Documentation

– Anaheim, CA: Project Manager for preparation of separate documents pursuant to CEQA and NEPA. The project will provide an additional travel lane, bikeways, sidewalks, and landscaped areas. Jennifer prepared the IS/MND for the project, which was approved in by the City of Anaheim in 2013. She also managed the preparation of an Environmental Assessment and Finding of No Significant Impact and all related and required technical studies for Caltrans review and approval pursuant to NEPA and Caltrans requirements. Jennifer served as the primary contact with Caltrans staff throughout the duration of the project.


Professional License Certificates



Arief Naftali, PE, TE, EE




**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**


LICENSING DETAILS FOR: 64286



NAME: NAFTALI, ARIEF	ADDRESS
LICENSE TYPE: CIVIL ENGINEER	4432 TWIN PEAKS COURT
LICENSE STATUS: CLEAR 	CHINO HILLS CA 91709
	SAN BERNARDINO COUNTY
	MAP




**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**


LICENSING DETAILS FOR: 2296

NAME: NAFTALI, ARIEF	ADDRESS
LICENSE TYPE: TRAFFIC ENGINEER	4432 TWIN PEAKS COURT
LICENSE STATUS: CLEAR 	CHINO HILLS CA 91709
	SAN BERNARDINO COUNTY
	MAP






**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

LICENSING DETAILS FOR: 21570


NAME: NAFTALI, ARIEF	ADDRESS
LICENSE TYPE: ELECTRICAL ENGINEER	4432 TWIN PEAKS COURT
LICENSE STATUS: CLEAR 	CHINO HILLS CA 91709
	SAN BERNARDINO COUNTY
	MAP

Andrew Nickerson, PE






**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

LICENSING DETAILS FOR: 56808


NAME: NICKERSON, ANDREW ATWOOD	ADDRESS
LICENSE TYPE: CIVIL ENGINEER	29642 QUAIL RUN DR
LICENSE STATUS: CLEAR 	AGOURA HILLS CA 91301
	LOS ANGELES COUNTY
	MAP

Carrie Davis, PE






**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

LICENSING DETAILS FOR: 61840


NAME: DAVIS, CARRIE LYNN	ADDRESS
LICENSE TYPE: CIVIL ENGINEER	10 LAURELWOOD STREET
LICENSE STATUS: CLEAR 	ALISO VIEJO CA 92656
	ORANGE COUNTY
	MAP

Linda Luu, PE






**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

LICENSING DETAILS FOR: 83274


NAME: LUU, LINDA	ADDRESS
LICENSE TYPE: CIVIL ENGINEER	555 S FLOWER ST SUITE 4300
LICENSE STATUS: CLEAR 	LOS ANGELES CA 90071
	LOS ANGELES COUNTY
	MAP

Ion Cretu, PE






**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

LICENSING DETAILS FOR: 71513


NAME: CRETU, ION	ADDRESS
LICENSE TYPE: CIVIL ENGINEER	15358 FLANDERS STREET
LICENSE STATUS: CLEAR 	GRANADA HILLS CA 91344
	LOS ANGELES COUNTY
	MAP

Steven Baine, PE





**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

LICENSING DETAILS FOR: 51327


NAME: BAINE, STEVEN ANDREW	ADDRESS
LICENSE TYPE: CIVIL ENGINEER	19303 CANYON SUMMIT
LICENSE STATUS: CLEAR 	TSARUCO CANYON CA 92679
	ORANGE COUNTY
	MAP

Christopher Riehle, PLS



**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

LICENSING DETAILS FOR: 9453

NAME: RIEHLE, CHRISTOPHER LEE	ADDRESS
LICENSE TYPE: LAND SURVEYOR	784 BARRACUDA WAY
LICENSE STATUS: CLEAR 	LAGUNA BEACH CA 92651
	ORANGE COUNTY
	MAP



5 Hutton Centre Drive
Suite 300
Santa Ana, CA 92707

714.751.7373 Phone
714.545.8883 Fax

www.Psomas.com

EXHIBIT "B"

Payment Schedule (Hourly Payment)

A. Hourly Rate

CONSULTANT'S fees for such services shall be based upon the following hourly rate and cost schedule:

B. Travel Charges for time during travel are not reimbursable.

C. Billing

1. All billing shall be done monthly in fifteen (15) minute increments and matched to an appropriate breakdown of the time that was taken to perform that work and who performed it.
2. Each month's bill should include a total to date. That total should provide, at a glance, the total fees and costs incurred to date for the project.
3. A copy of memoranda, letters, reports, calculations and other documentation prepared by CONSULTANT may be required to be submitted to CITY to demonstrate progress toward completion of tasks. In the event CITY rejects or has comments on any such product, CITY shall identify specific requirements for satisfactory completion.
4. CONSULTANT shall submit to CITY an invoice for each monthly payment due. Such invoice shall:
 - A) Reference this Agreement;
 - B) Describe the services performed;
 - C) Show the total amount of the payment due;
 - D) Include a certification by a principal member of CONSULTANT's firm that the work has been performed in accordance with the provisions of this Agreement; and
 - E) For all payments include an estimate of the percentage of work completed.

Upon submission of any such invoice, if CITY is satisfied that CONSULTANT is making satisfactory progress toward completion of tasks in accordance with this Agreement, CITY shall approve the invoice, in which event payment shall be made within thirty (30) days of receipt of the invoice by CITY. Such approval shall not be unreasonably withheld. If CITY does not approve an invoice, CITY shall notify CONSULTANT in writing of the reasons for non-approval and the schedule of performance set forth in **Exhibit "A"** may at the option of CITY be suspended until the parties agree that past performance by CONSULTANT is in, or has been brought into compliance, or until this Agreement has expired or is terminated as provided herein.

5. Any billings for extra work or additional services authorized in advance and in writing by CITY shall be invoiced separately to CITY. Such invoice shall contain all of the information required above, and in addition shall list the hours expended and hourly rate charged for such time. Such invoices shall be approved by CITY if the work performed is in accordance with the extra work or additional services requested, and if CITY is satisfied that the statement of hours worked and costs incurred is accurate. Such approval shall not be unreasonably withheld. Any dispute between the parties concerning payment of such an invoice shall be treated as separate and apart from the ongoing performance of the remainder of this Agreement.

EXHIBIT B

PSOMAS

Rate Schedule

Rates are fixed for years June 2021 to June 2024

Project Director/Principal-In-Charge	\$290	SUE Manager	\$215
Project Manager/QAQC Manager	\$260	GIS Technician	\$172
Project Manager II	\$245	GIS Manager	\$262
Assistant Project Manager	\$225	Senior CAD Technician.....	\$180
Project Engineer/Traffic Engineer	\$210	CAD Technician.....	\$150
Civil Engineering Designer	\$155	Land Use Entitlement Manager.....	\$275
Assistant Civil Designer	\$135	ADA Compliance/Access Specialist.....	\$220
Design Engineer I.....	\$125	Environmental Project Manager	\$225
Design Engineer II	\$140	Biological Resources Manager.....	\$225
Construction Survey Manager	\$250	Planner.....	\$190
Design Survey Manager	\$225	Engineering Assistant, Intern.....	\$105
Project Surveyor	\$195	Project Assistant/Administration.....	\$120

- Standard computer and technology costs are incorporated into these hourly rates, as well as direct labor, overhead, fringe benefits and fee.
- Rates include miscellaneous related costs: vehicle, cell phone, digital camera, and standard tools and equipment. All other direct expenses will be billed at cost.
- Overtime will be charged at 135 percent of the regular hourly rate. Sundays and holidays will be charged at 170 percent of the regular hourly rate.
- Survey and other specialty equipment will be charged at a per unit per day rate.
- A shift which commences after 2:00pm or before 4:00am, during any 24-hour period, commencing at 12:01am is subject to a 12.5 percent differential.
- Expert witness testimony is two times the normal rate.
- Per Diem is calculated at current State Department of Transportation rates (or other appropriate agency rates).

Reimbursables

Mileage at \$0.56 per mile for 2021 (or 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 with no markup.

Surveying Services

One-Person Survey Party	\$230	Three-Person Survey Party	\$460
Two-Person Survey Party	\$340	Field Supervisor	\$185

Survey Equipment Rates: \$250.00 per day - 3D Laser Scanner (Static) — \$5,000 per day - 3D Laser Scanner (Mobile Mapping System) — Standard computer and technology costs are incorporated into the hourly rates shown above.

SUE and CCTV Services

One-Person SUE Crew	\$210	Two-Person CCTV Crew	\$320
Two-Person SUE Crew	\$320	SUE/CCTV Field Supervisor	\$205

Hourly rates for field survey parties include normal usage of field equipment and are fully equipped rates.

Special equipment and other costs will be charged at additional cost with no mark-up.



2021 - 2024 SCHEDULE OF CHARGES

PROFESSIONAL SERVICES

Document Preparation and Project Services	\$ 97.00/hour
CAD/GIS Design Engineer	\$ 118.00/hour
Staff Engineer or Geologist	\$ 152.00/hour
Senior Staff Engineer or Geologist	\$ 175.00/hour
Project Engineer or Geologist	\$ 195.00/hour
Senior Engineer or Geologist	\$ 230.00/hour
Associate Engineer or Geologist	\$ 245.00/hour
Principal/Director	\$ 270.00/hour

FIELD INSPECTION & TESTING SERVICES

Staff Engineering Technician	\$ 105.00/hour*
• Services provided under direct supervision of a Senior Engineering Technician	
Senior Engineering Technician	\$ 118.00/hour*
• Inspections for soils/grading, asphalt, concrete, batch plants, piles/caissons, etc.	
• Certifications by ACI, ICC, Caltrans, local jurisdictions, etc.	
Registered Special Inspector (<i>No 4-hour minimum</i>)	\$ 118.00/hour*
• Certifications by ACI, ICC, Caltrans, local jurisdictions, etc.	
• Reinforced concrete, Post-Tension, Masonry, Welding, Bolting, Fireproofing	
Instrumentation Engineer	\$ 150.00/hour
• Slope inclinometer and Piezometer monitoring	
• Manometer for floor-level surveys	
• Stormwater turbidity & pH meter	
• Groundwater monitoring - pressure transducer, datalogger, water chemistry meter, etc.	
• Pipeline video camera for drains, wells, etc.	
Engineering Seismological Technician (includes 3-channel seismograph)	\$ 150.00/hour
• Blast vibration monitoring	
• Construction vibration & noise monitoring (pile driving, drilling, demolition, etc.)	

***Notes:**

- (1) Rates include vehicle, nuclear density gauge, and equipment for testing, inspection, and sampling.
- (2) No 4-hour minimum charges apply.
- (3) Overtime is charged at 1.5 times the base rate. Overtime is defined as time worked on the project in excess of 8 hours per day and all time on Saturdays, Sundays, and holidays.
- (4) Additional hourly surcharge for Prevailing Wage projects for Field Personnel per CA Labor Code §1720, et seq.

Add \$ 27.00/hour

LABORATORY TESTING SERVICES

Laboratory Testing	\$ 122.00/hour
<i>(For special materials testing and laboratory costs on a per-test basis, see GMU's Laboratory Fee Schedule)</i>	

OTHER CHARGES

Outside Services	Cost + 15%
Reimbursables & Reprographics	Cost

T2 Utility Engineers Rate Schedule - HB On-Call - 2021-2024

Subsurface Utility Engineering Services

Services	Bill Rate	Overtime	Prevailing Wage	Prevailing Wage OT	Unit
Pothole Under Natural Ground	\$632.00	\$720.00	\$720.00	\$1,075.00	per hole
Pothole Under Paving / Concrete	\$735.00	\$845.00	\$900.00	\$1,435.00	per hole
Pothole Exceeding 6.99 feet in Depth	\$110.00	\$130.00	\$135.00	\$175.00	per foot
Vacuum Excavation Truck, Crew and Equipment	\$350.00	\$415.00	\$445.00	\$535.00	per hour
Utility Designating & Investigation Underground	\$0.96	\$1.20	\$1.20	\$1.55	per foot
Utility Designating & Investigation Overhead	\$0.47	\$0.61	\$0.61	\$0.78	per foot
Utility Designating 2 Man Crew and Equipment	\$290.00	\$370.00	\$350.00	\$460.00	per hour
Utility Designating 1 Man Crew and Equipment	\$205.00	\$230.00	\$220.00	\$275.00	per hour
Concrete / Asphalt Coring, Slurry Backfilling	\$175.00	\$215.00	\$215.00	\$235.00	per hour
Survey - 2 Man Crew and Equipment	\$265.00	\$360.00	\$290.00	\$340.00	per hour
Survey - 1 Man Crew and Equipment	\$190.00	\$360.00	\$200.00	\$230.00	per hour
Senior Project Manager	\$215.00	NA	NA	NA	per hour
Project Engineer	\$195.00	NA	NA	NA	per hour
Project Surveyor	\$195.00	NA	NA	NA	per hour
Project Manager	\$150.00	NA	NA	NA	per hour
SUE Manager	\$130.00	NA	NA	NA	per hour
CADD Supervisor	\$125.00	NA	NA	NA	per hour
SUE Supervisor	\$95.00	\$140.00	\$125.00	\$170.00	per hour
SUE Technician III	\$95.00	\$125.00	\$125.00	\$170.00	per hour
SUE Technician II	\$80.00	\$120.00	\$125.00	\$170.00	per hour
SUE Technician I	\$75.00	\$110.00	\$125.00	\$170.00	per hour
CADD Technician	\$90.00	\$135.00	NA	NA	per hour
Administrative Support	\$80.00	\$120.00	NA	NA	per hour
Expenses					
Per Diem	GSA rates				
Encroachment and Traffic Permits	actual cost				
Traffic Control Plans - Engineer Stamped	\$725 per sheet				
Subcontractors - Asphalt, Traffic Control, Ect.	cost plus 10%				
Miscellaneous Expenses	cost plus 10%				

Bidder's List for Civil Engineering and Surveying - 2021

Company Name	Phone
Ardurra Group	949-677-0391
Aztec Engineering	714-599-2255
BKF Engineers	949-526-8478
Civil Works Engineers	714-966-9060
ERSC	909-890-1255
GHD Inc	949-585-5224
Hartzog and Crabill	714-731-9455
Hunsaker and Associates	949-583-1010
Infrastructure Engineers	714-940-0100
JMC2	310-241-6550
KPFF Consulting	949-252-1022
Mark Thomas and Company	805-701-9427
Merrell Johnson Engineering	760-240-8000
Michael Baker	949-330-4145
NV5 Inc	949-585-0477
Psomas	714-751-7373
Quantum Consulting	310-891-3994
RAK Development dba Kreuzer Consulting Group	714-656-0160
Stantec Consulting	949-923-6962
Sustura Inc	714-465-3157
Tait and Associates	714-560-8200
Tetra Tech	951-662-0788
WG Zimmerman	714-799-1700

ACORDTM**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

5/13/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022		CONTACT NAME: Katie Kresner PHONE (A/C, No, Ext): 770.220.7695 E-MAIL ADDRESS: Katie.Kresner@greyling.com FAX (A/C, No): 866.550.4082	
		INSURER(S) AFFORDING COVERAGE INSURER A: National Union Fire Ins. Co.	
		NAIC # 19445	
INSURED Psomas 555 S. Flower Street Suite 4300 Los Angeles, CA 90071		INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES**CERTIFICATE NUMBER: 21-22****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			GL5268212	04/01/2021	04/01/2022	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$25,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			CA4489706	04/01/2021	04/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB EXCESS LIAB DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC015893764(AOS) WC015893765(CA)	04/01/2021 04/01/2021	04/01/2022 04/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

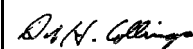
2HUN013100; On-Call Civil Engineering, Surveying & Professional Consulting Services. The City of Huntington Beach, its officers, elected or appointed officials, employees, agents and volunteers are named as Additional Insureds with respects to General & Automobile Liability where required by written contract.

CERTIFICATE HOLDER**CANCELLATION**

City of Huntington Beach, California
 Public Works Department
 2000 Main Street
 Huntington Beach, CA 92648

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



ENDORSEMENT

This endorsement, effective 12:01 A.M. 04/01/2021

forms a part of

policy No. CA4489706

issued to Psomas

by NATIONAL UNION FIRE INSURANCE COMPANY OF PITTSBURGH, PA

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - WHERE REQUIRED UNDER CONTRACT OR AGREEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

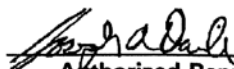
SCHEDULE

ADDITIONAL INSURED:

ANY PERSON OR ORGANIZATION FOR WHOM YOU ARE CONTRACTUALLY BOUND TO PROVIDE ADDITIONAL INSURED STATUS BUT ONLY TO THE EXTENT OF SUCH PERSON OR ORGANIZATIONS LIABILITY ARISING OUT OF THE USE OF A COVERED AUTO.

I. SECTION II - LIABILITY COVERAGE, A. Coverage, 1. - Who Is Insured, is amended to add:

- d. Any person or organization, shown in the schedule above, to whom you become obligated to include as an additional insured under this policy, as a result of any contract or agreement you enter into which requires you to furnish insurance to that person or organization of the type provided by this policy, but only with respect to liability arising out of use of a covered "auto". However, the insurance provided will not exceed the lesser of:
- (1) The coverage and/or limits of this policy, or
 - (2) The coverage and/or limits required by said contract or agreement.


Authorized Representative or
Countersignature (in States Where
Applicable)

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
ANY PERSON OR ORGANIZATION WHOM YOU BECOME OBLIGATED TO INCLUDE AS AN ADDITIONAL INSURED AS A RESULT OF ANY CONTRACT OR AGREEMENT YOU HAVE ENTERED INTO.	PER THE CONTRACT OR AGREEMENT.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II 6 Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

- C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable limits of insurance;
whichever is less.

This endorsement shall not increase the applicable limits of insurance.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
ANY PERSON OR ORGANIZATION WHOM YOU BECOME OBLIGATED TO INCLUDE AS AN ADDITIONAL INSURED AS A RESULT OF ANY CONTRACT OR AGREEMENT YOU HAVE ENTERED INTO.	PER THE CONTRACT OR AGREEMENT.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/13/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Dealey, Renton & Associates 3697 Mt. Diablo Blvd, Suite 230 Lafayette CA 94549		CONTACT NAME: Karin Thorp PHONE (A/C, No, Ext): 510-465-3090 FAX (A/C, No): 510-452-2193 E-MAIL ADDRESS: DesignProCerts@AssuredPartners.com	
License#: 0020739 PSOMAS		INSURER(S) AFFORDING COVERAGE	
INSURED PSOMAS 555 South Flower Street, Suite 4300 Los Angeles CA 90071		INSURER A: XL Specialty Insurance Co. NAIC # 37885	
		INSURER B:	
		INSURER C:	
		INSURER D:	
		INSURER E:	
		INSURER F:	

COVERAGES**CERTIFICATE NUMBER:** 1318759636**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Professional Liability Claims Made		Y	DPR9965760	10/15/2020	10/15/2021	Per Claim \$1,000,000 Annual Aggregate \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
2HUN013100, On-Call Civil Engineering, Surveying & Professional Consulting Services.

CERTIFICATE HOLDER**CANCELLATION** 30 Day Notice of Cancellation

City of Huntington Beach Attn: Chris Tanio, Public Works Dept. 2000 Main Street Huntington Beach CA 92648	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Karin Thorp</i>

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This endorsement, effective 12:01 a.m., 10/15/2020 forms a part of
Policy No. DPR9965760
Issued to PSOMAS
by XL Specialty Insurance Company.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

POLICY CANCELLATION – NOTICE TO DESIGNATED ENTITIES

This endorsement modifies insurance provided under the following:

PROFESSIONAL, ENVIRONMENTAL AND NETWORK SECURITY LIABILITY POLICY – ARCHITECTS,
CONSULTANTS AND ENGINEERS

Section XI. OTHER CONDITIONS, Paragraph A. Cancellation is amended by the addition of the following:

In the event that the Company cancels this Policy for any statutorily permitted reason other than non-payment of premium, the Company agrees to provide thirty (30) days' notice of cancellation of this Policy to any entity with whom the NAMED INSURED agreed in a written contract or agreement would be provided with notice of cancellation of this Policy, provided that:

1. The Company receives, at least fifteen (15) days prior to the date of cancellation, a written request from the NAMED INSURED to provide notice of cancellation to entities designated by the NAMED INSURED to receive such notice and;
2. The written request includes the name and address of each person or entity designated by the NAMED INSURED to receive such notice.

This endorsement does not apply to non-renewal of the Policy, cancellation at the INSURED'S request, or to cancellation of the Policy for non-payment of premium to the Company or to a premium finance company authorized to cancel the Policy. Furthermore, nothing contained in this endorsement shall be construed to provide any rights under the Policy to the entities receiving notice of cancellation pursuant to this endorsement, nor shall this endorsement amend or alter the effective date of cancellation stated in the cancellation notice issued to the NAMED INSURED.

All other terms and conditions of the Policy remain unchanged.

PROFESSIONAL SERVICES CONTRACT BETWEEN
THE CITY OF HUNTINGTON BEACH AND

FOR

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PROFESSIONAL SERVICE AWARD ANALYSIS

SERVICE: On-Call Civil Engineering

SERVICE DESCRIPTION: Engineering support for City's annual Capital Improvement Program projects.

VENDOR: RAK Development dba Kreuzer Consulting Group (KCG)

OVERALL RANKING: 1 out of 23

SUBJECT MATTER EXPERTS/RATERS:

1. Principal Civil Engineer 2. Senior Civil Engineer 3. Contract Administrator

I. MINIMUM QUALIFICATIONS REVIEW

- Written Proposal Score: Ave. of 88

KCG – Minimum Qualifications Review		
<u>Criteria</u>	<u>Total Weighted Score</u>	<u>Maximum Score</u>
<i>Proposal Clarity</i>	9	10
<i>Qualifications</i>	22	20
<i>Staffing</i>	20	20
<i>Understanding and Methodology</i>	12	15
<i>References and Background</i>	10	10
<i>Interview</i>	15	15
Total	88	100

II. DUE DILIGENCE REVIEW

KCG – Summary of Review	
• Small but experienced civil design firm	

KCG – Pricing	
• Low end from \$50/hr	
• High end to \$200/hr for Principal	

PROFESSIONAL SERVICE AWARD ANALYSIS

SERVICE: On-Call Civil Engineering

SERVICE DESCRIPTION: Engineering support for City's annual Capital Improvement Program projects.

VENDOR: Stantec

OVERALL RANKING: 2 out of 23

SUBJECT MATTER EXPERTS/RATERS:

1. Principal Civil Engineer 2. Senior Civil Engineer 3. Contract Administrator

I. MINIMUM QUALIFICATIONS REVIEW

- Written Proposal Score: Ave. of 83

Stantec – Minimum Qualifications Review		
<u>Criteria</u>	<u>Total Weighted Score</u>	<u>Maximum Score</u>
<i>Proposal Clarity</i>	8	10
<i>Qualifications</i>	21	20
<i>Staffing</i>	20	20
<i>Understanding and Methodology</i>	12	15
<i>References and Background</i>	9	10
<i>Interview</i>	13	15
Total	83	100

II. DUE DILIGENCE REVIEW

Stantec – Summary of Review
<ul style="list-style-type: none">• Good civil and surveying services. Worked with City previously

Stantec – Pricing
<ul style="list-style-type: none">• Low end from \$127/hr• High end to \$241/hr for Principal

PROFESSIONAL SERVICE AWARD ANALYSIS

SERVICE: On-Call Civil Engineering

SERVICE DESCRIPTION: Engineering support for City's annual Capital Improvement Program projects.

VENDOR: BKF Engineers

OVERALL RANKING: 3 out of 23

SUBJECT MATTER EXPERTS/RATERS:

1. Principal Civil Engineer 2. Senior Civil Engineer 3. Contract Administrator

I. MINIMUM QUALIFICATIONS REVIEW

- Written Proposal Score: Ave. of 79

BKF – Minimum Qualifications Review		
<u>Criteria</u>	<u>Total Weighted Score</u>	<u>Maximum Score</u>
<i>Proposal Clarity</i>	9	10
<i>Qualifications</i>	18	20
<i>Staffing</i>	20	20
<i>Understanding and Methodology</i>	12	15
<i>References and Background</i>	10	10
<i>Interview</i>	10	15
Total	79	100

II. DUE DILIGENCE REVIEW

BKF – Summary of Review	
•	Good design and street rehab experience

BKF – Pricing	
•	Low end from \$74/hr
•	High end to \$255/hr for Principal

PROFESSIONAL SERVICE AWARD ANALYSIS

SERVICE: On-Call Civil Engineering

SERVICE DESCRIPTION: Engineering support for City's annual Capital Improvement Program projects.

VENDOR: Ardurra Group

OVERALL RANKING: 4 out of 23

SUBJECT MATTER EXPERTS/RATERS:

1. Principal Civil Engineer 2. Senior Civil Engineer 3. Contract Administrator

I. MINIMUM QUALIFICATIONS REVIEW

- Written Proposal Score: Ave. of 78

Ardurra – Minimum Qualifications Review		
<u>Criteria</u>	<u>Total Weighted Score</u>	<u>Maximum Score</u>
<i>Proposal Clarity</i>	9	10
<i>Qualifications</i>	15	20
<i>Staffing</i>	18	20
<i>Understanding and Methodology</i>	14	15
<i>References and Background</i>	8	10
<i>Interview</i>	13	15
Total	78	100

II. DUE DILIGENCE REVIEW

- Interview Ranking:

Ardurra – Summary of Review	
•	Excellent staffing experience

Ardurra – Pricing	
•	Low end from \$100/hr
•	High end to \$230/hr for Principal

PROFESSIONAL SERVICE AWARD ANALYSIS

SERVICE: On-Call Civil Engineering

SERVICE DESCRIPTION: Engineering support for City's annual Capital Improvement Program projects.

VENDOR: Psomas

OVERALL RANKING: 5 out of 23

SUBJECT MATTER EXPERTS/RATERS:

1. Principal Civil Engineer 2. Senior Civil Engineer 3. Contract Administrator

I. MINIMUM QUALIFICATIONS REVIEW

- Written Proposal Score: Ave. of 77

Psomas – Minimum Qualifications Review		
<u>Criteria</u>	<u>Total Weighted Score</u>	<u>Maximum Score</u>
<i>Proposal Clarity</i>	9	10
<i>Qualifications</i>	18	20
<i>Staffing</i>	20	20
<i>Understanding and Methodology</i>	10	15
<i>References and Background</i>	10	10
<i>Interview</i>	10	15
Total	77	100

II. DUE DILIGENCE REVIEW

Psomas – Summary of Review
<ul style="list-style-type: none">• Capable of delivering a variety of civil engineering projects

Psomas – Pricing
<ul style="list-style-type: none">• Low end from \$105/hr• High end to \$290/hr for Principal