PROFESSIONAL SERVICES CONTRACT BETWEEN
THE CITY OF HUNTINGTON BEACH AND
PSOMAS
FOR
ON-CALL CIVIL ENGINEERING
& 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, a California Corporation hereinafter referred to as "CONSULTANT."

WHEREAS, CITY desires to engage the services of a consultant to provide On-Call Civil Engineering & 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 Maira Salcedo 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 three (3) years 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 Two Million Dollars ($2,000,000.00).

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: Director of Public Works
2000 Main Street
Huntington Beach, CA 92648

TO CONSULTANT:

Psomas
Attn: Maira Salcedo
865 South Figueroa Street, Suite 3200
Los Angeles, CA 90017

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: M. Salcedo
Maira Salcedo
print name

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

AND

By: Nick Tarditi
NICK TARDITI
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

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

CONSULTANT,
PSOMAS

By:_____

_____
print name

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

AND

By:_____

_____
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)

Provide On-Call Civil Engineering and Professional Consulting Services. If Consultant chooses to assign different personnel to the project, Consultant must submit names and qualifications of these staff to City for approval before commencing work.

B. CONSULTANT'S DUTIES AND RESPONSIBILITIES:

See Attached Exhibit A

C. CITY'S DUTIES AND RESPONSIBILITIES:

1. Furnish Scope of Work and provide a request for proposal for each project.

2. City shall issue a task order for each project based upon scope of services, work schedule, and fee proposal submitted.

D. WORK PROGRAM/PROJECT SCHEDULE:

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

EXHIBIT A

EXHIBIT A

Disciplines of Civil Engineering Services Application Form

Circle all that apply

Civil Engineering Service Area	Bidding? Y/N (circle)
• Water/Sewer/Storm Water Engineering	(Yes) / No
• General Civil Engineering	(Yes) / No
• Ocean Engineering	Yes / (No)
• Environmental/Water Quality	Yes / (No)

REQUEST FOR PROPOSAL

VENDOR APPLICATION FORM

TYPE OF APPLICANT: ☐ NEW ☒ CURRENT VENDOR

Legal Contractual Name of Corporation: Psomas

Contact Person for Agreement: Maira Salcedo

Corporate Mailing Address: 865 South Figueroa Street, Suite 3200

City, State and Zip Code: Los Angeles, CA 90017

E-Mail Address: maira.salcedo@psomas.com

Phone: 714.751.7373 Fax: _____

Contact Person for Proposals: Maira Salcedo

Title: Vice President E-Mail Address: maira.salcedo@psomas.com

Business Telephone: 714.481.8008 Business Fax: _____

Year Business was Established: 1946

Is your business: (check one)

☐ NON PROFIT CORPORATION ☒ FOR PROFIT CORPORATION

Is your business: (check one)

☒ CORPORATION
☐ INDIVIDUAL
☐ PARTNERSHIP
☐ LIMITED LIABILITY PARTNERSHIP
☐ SOLE PROPRIETORSHIP
☐ 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 next page		

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: 02/28/2026

NAMES AND TITLES OF ALL PSOMAS CORPORATE BOARD MEMBERS

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

March 4, 2025

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
SESSYLE ASATO	Vice President
BRETT BARNETT	Vice President
REGINA BEEM	Vice President
JAMES BITTNER	Vice President
DON BJELK	Vice President
MARC BLAIN	Vice President
MONIKA BOWDEN	Vice President
MICHAEL BOWEN	Vice President
SCOTT BRYANT	Vice President
JEFFREY CHESS	Vice President
MARCIA CARRILLO	Vice President
MATTHEW D. CLARK	Vice President
SHAWN CLARK	Vice President
SARAH CURRAN	Vice President
DAVID CURTIS	Vice President
CHRIS DAVENPORT	Vice President
NELSON DAVIS	Vice President
AMY DAY	Vice President
WILLIAM ESTEPA	Vice President
ROSE FISTROVIC	Vice President
DAN FORGEY	Vice President
ADAM FOSTER	Vice President
BRIAN FRAGIAO	Vice President
JASON FRITZLER	Vice President
PAUL GERVACIO	Vice President
ELIZABETH GIBSON	Vice President
JEFF GILLIS	Vice President
DANNIE B. GREEN	Vice President
TIMOTHY G. HAYES	Vice President
ALIA HOKUKI	Vice President
JIM HUNTER	Vice President
JEREMY JOHNSON	Vice President

ANN JOHNSTON	Vice President
DAVID (DJ) KELLY	Vice President
DENNIS KIM	Vice President
RICHARD LEWIS III	Vice President
RYAN LYNCH	Vice President
JENNIFER MARKS	Vice President
FRANK MARTIN	Vice President
NANDEZ MILLER	Vice President
CECILIA MOKLER	Vice President
NATHANIEL MOZER	Vice President
ARIEF NAFTALI	Vice President
ANDREW NICKERSON	Vice President
STEVE NORTON	Vice President
TRAVIS PERRY	Vice President
GERRIT POST	Vice President
DANIEL RAHE	Vice President
MICHAEL R. REDIG	Vice President
TERESITA REUTTER	Vice President, Assistant Treasurer
GINA ROWE	Vice President
MAIRA SALCEDO	Vice President
SEAN SAMSEL	Vice President
GARY SKREL	Vice President
SEAN SMITH	Vice President
RICHARD M. SULLIVAN	Vice President
KEVIN T. THORNTON	Vice President
AARON TILLMANS	Vice President
REUBEN TOLENTINO	Vice President
MISHA TROYAN	Vice President
ALYSEN WEILAND	Vice President
KARISSA WITTHUHN	Vice President
BRIAN WRIGHT	Vice President
TERRENCE WRIGHT, JR.	Vice President
CAROLINE YONTEZ	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.

[SIGNATURE ON NEXT PAGE]

Gary Hunt

Richard Sullivan

Sessyle Asato

Mike Lucki

Travis Perry

Steve Margaroni

Alejandro Angel

Reuben Tolentino

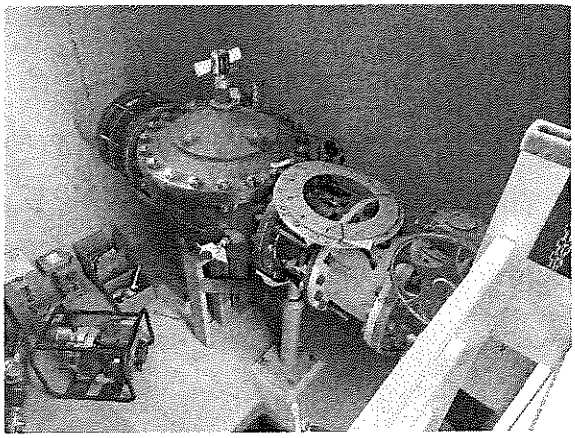
Alysen Weiland

B Background and Project Summary

A successful project begins with a comprehensive work plan and proven strategy. Psomas' approach to on-call contracts is based on:

- Thorough understanding of the key design objectives of the project.
- Clear established communication with the City's personnel from the commencement of the project and individual task orders.
- Preparation of thorough and accurate documents incorporating first-rate engineering practices and methods.
- Design and construction/ constructability considerations.

The City intends to retain consultants on an "on-call" basis to perform as-needed professional services for a variety of projects to augment City staff. Psomas is submitting our Statement of Qualifications (SOQ) for **Category A: Water/Sewer/ Stormwater Engineering** and **Category B: General Civil Engineering** to assist the City's staff in providing civil engineering and surveying services for a wide variety of public works infrastructure projects including, but not limited to, rehabilitation of roads, alleys, bridges, curb, gutter, and sidewalks within the public right-of-way, as well as off-street improvements, such as rehabilitation of City parking lots.



A. Water/Sewer/ Stormwater Engineering

1. General Requirements

- Prepare design Plans, Specifications, & Construction Cost Estimates Packages (PS&E, Construction Bid Documents).
- Conduct design surveys and geotechnical evaluations.
- Develop Preliminary Design Reports (PDRs) defining design assumptions, alternatives, and recommendations.
- Provide construction support services including assisting with RFIs, submittal reviews, and inspections during construction.
- Coordinate with utilities and agencies to streamline approvals and ensure compliance with regulations including permit procurement.
- Prepare pothole plans, conduct pothole investigations to verify utility locations to minimize conflicts.
- Develop design documentation to create detailed drawings, including profiles, cross-sections, and layouts.
- Provide supplemental professional design services as required by each task order including, but not limited to, structural, mechanical, electrical, control, SCADA, and architectural components.

2. Potable Water Pipeline Engineering (Water Distribution)

- Water pipeline design, including alignment, material selection, appurtenances, pavement, and traffic control plans.
- Establish pipeline size requirements and submit signed calculations to ensure compliance with standards.
- Conduct soil corrosion analysis and testing to determine cathodic protection improvement needs for transmission mains.
- Develop cross-sections, profiles, and alignment drawings showing ROW limits, separation requirements, and utilities.
- Select pipe materials, linings, coatings, joint designs, bedding, compaction, restraints, and appurtenances suitable for project conditions.
- Provide development review water plan check services.

3. Potable Water Wells, Reservoirs, and Booster Stations (Water Production)

- Prepare construction bid packages for new wells, well treatment and rehabilitation, pump buildings, reservoir rehabilitation, booster pump stations, on-site generation, including pressure control stations, turnouts, and metering facilities.
- Establish facility sizing and submit hydraulic calculations, including pump selection.
- Conduct well site evaluations to assess feasibility for new well construction.
- Perform siting and alignment evaluations to determine preferred configurations.

4. Potable Water Master Plan Update and Water Financial Plan Update

- Update potable water master plan, integrating system data and growth projections.
- Develop a financial plan update to support budgeting and project funding.

5. Wastewater Engineering (Sanitary Sewer)

- Prepare construction bid packages for pipelines, sewer lining, lift stations, force mains, and related infrastructure, mechanical equipment, including hydraulic calculations.
- Develop specifications for materials, transitions, and bypass operations.

6. Wastewater Master Plan Update

- Update wastewater master plan, incorporating capacity analysis, system data, and future infrastructure needs.

7. Stormwater Engineering

- Develop construction bid packages for stormwater systems, including channels, pipelines, and pump stations, and related infrastructure, incorporating hydraulic calculations.
- Prepare and write grant applications for funding storm drain improvements.

B. General Civil Engineering

1. Bridges, Street Improvements, and Parking Lots

Psomas is well versed in all aspects of design/engineering/surveying and administration including, but not limited to project controls (estimating, cost and schedule), planning, QA/QC, change control and risk management. Knowledge and understanding of the latest version of APWA's "Greenbook," as well as the standard plans and specifications of the City of Huntington Beach. Psomas will provide qualified staff with significant experience in the professional fields.

- Preparation of construction bid packages for street rehabilitation, widening, realignment or other related street improvements.
- Preparation of construction bid packages for rehabilitation of City Facilities site work, i.e. parking lots and ADA site compliance.
- Preparation and review of NPDES reports, Water Quality Management Plans (WQMP)

and Storm Water Pollution Prevention Plans (SWPPP).

- Construction and bid support.
- Providing record drawings both mylar and .dwg formats.
- While the City maintains contracts with Geotechnical Engineering consultants, geotechnical engineering services may be requested as part of and under the direction of the Civil consultant, depending on the project needs. The geotechnical engineering sub-consultant has not been identified in our response to this RFQ and can be provided until such time that a project specific fee proposal/ task order is requested.

2. Survey

Psomas will provide experienced personnel, equipment, and facilities to perform the following tasks:

- Performing horizontal and vertical control.
- Perform design and topographic surveys.
- Setting aerial targets and performing photo control.
- Aerial and topographic surveys for project layout and design.
- Performing boundary surveys and boundary analysis.
- Performing centerline surveys and centerline ties.
- Preparing corner records.
- Preparing Records of Survey.
- Preparing/Reviewing legal descriptions and plat maps.
- Reviewing Subdivision Maps, Tentative and Final.
- Reviewing Title Reports.
- Performing construction staking for various public works projects.

C Methodology

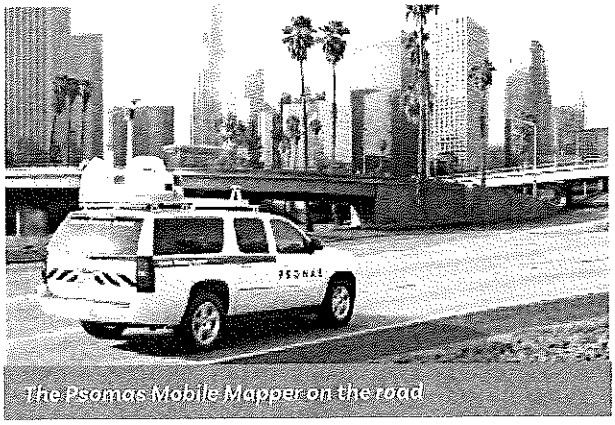
Project Approach

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 may be followed by a field visit to the project site.

Topographic Survey and Base Map Mapping

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 with the latest cutting-edge technology as reflected by the Psomas Mobile Mapping System and terrestrial laser scanners. The Psomas Mobile Mapping System is a truck-mounted twin-sensor LiDAR (Light Detection and Ranging) scanning system.



The Psomas Mobile Mapper on the road

SUBSURFACE UTILITY ENGINEERING (SUE)

The Psomas Team has extensive 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, including ground-penetrating radar, 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. Our SUE team also performs CCTV assessment and inspection of gravity pipelines.

Preliminary Engineering

WATER/WASTEWATER PROJECTS

For water and wastewater projects, a preliminary design report would typically be prepared to define the project needs, recommended improvements and rough order of magnitude construction costs. For water projects, key design elements to be considered include minimum pipeline diameters, pipeline alignments, existing utility locations, pumping requirements, well siting evaluation and connection to existing water facilities. For wastewater projects, key design elements include determination of minimum sewer main diameter, sewer main

alignments, manhole locations and sizing of lift station facilities for existing and projected build-out flows.

Psomas' experienced engineering staff will perform any necessary water/wastewater hydraulic modeling required to establish sizing of proposed facilities, including preparation of master plan documents. Psomas prepared the City of Huntington Beach 2016 Water Master Plan Update and is very familiar with the City's water distribution system.

STORMWATER/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.

Additionally, relevant hydrology assessment in accordance to the County's Hydrology manual needs to be conducted, followed by hydraulic calculations and analysis of drainage infrastructures, such as inlets, catch basins and storm drain pipes proposed.

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

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.

ROADWAY WIDENING

On a street widening or intersection improvement project, preliminary engineering work often involves assessment of ultimate cross-sections, lane widths, pedestrian, cyclist paths of travel, and queuing storage needs in the case of an exclusive left or right turn lane. Any widening can require additional right of way, retaining structures and/or the need to displace existing utility and amenity infrastructures. Capital cost can be optimized by carefully examining traffic and operational studies that usually define the need and purpose for the project.

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 listed below:

- Assess ADA path of travel
- 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.

Construction Document Preparation

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 and other reviewing agencies 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
- Pipeline Plans and Profiles
- Grading and Drainage Plans
- Mechanical, Structural and Electrical/Control Plans
- 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

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 (Greenbook) will be prepared. Technical specifications including standard plans, special permitting requirements, potholing and geotechnical reports, and a sample contract, will be provided in the Appendix.

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 CONSTRUCTION COST (ENGINEER'S ESTIMATES)

Psomas will furnish an accompanying Opinion of Probable Construction 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.

Bidding and Construction

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.

Proposed Work Plan

The City intends to retain consultants on an on-call basis to perform professional services for a variety of engineering projects as presented in Section 2 of this proposal.

Task Order Approach

Psomas recognizes that defining the project scope is a critical first step in controlling cost and schedule. Establishing a detailed and well researched project scope during Task Order development is key to this process. Communicating any out of scope elements that may arise during the course of the project as a result of unforeseen issues, or newly adopted regulatory or agency requirements, is essential to keep City staff informed and eliminate any surprises during the later stages of the project.

TABLE 1: TASK ORDER APPROACH

Psomas' Five-Step Task Order Process	
1	Identify the goals and objectives on the project through meetings with City staff.
2	Perform research, including field visits, gathering as-built information, utility research, and preliminary document reviews. This is also the point at which the team will begin to evaluate risks associated with the project. If applicable, the team will meet with field operations staff and key stakeholders.
3	Scoping meeting with City staff to discuss findings. Determine possible permit requirements. Identify/ confirm funding limits and sources.
4	Prepare a draft scope and fee broken down by phase or milestones, including subconsultant services needed, and present this to City staff. Verify with all team members the tasks, goals, and scope of services are clearly understood.
5	Finalize scope of work and submit to the City.

Upon receipt of a task order, our Contract Manager, Maira Salcedo, PE, ENV SP, will select the appropriate Task Leader from our team and develop a comprehensive scope of work through a five-step process (refer to Table 1). We have found that by establishing a clear definition of the project scope in terms of budget, deliverable, and schedule, and working to minimize scope, projects are delivered within budget and on schedule and expectations are met.

Resources and Responsiveness

With a large contingent of local resources from which to draw, the Psomas project team can respond to whatever needs may arise. By managing a balanced client workload among our staff, Psomas is able to quickly respond and meet with the City. This keeps the project momentum moving forward so the Psomas team is in place and ready to work within days of receiving a Notice to Proceed. Our experienced managers have the knowledge and skills required to navigate the hurdles that may arise during the course of the project.

The Psomas team understands the importance of meeting deadlines in a timely manner. We commit to providing adequate staffing (as to both number of personnel and their qualifications) for each task. Being a firm with over 770 employees, Psomas is the "right size" firm for this contract—big enough to handle any task order, but adept enough to provide the City of Huntington Beach that personal touch and responsiveness.

Project Management Approach

Psomas' approach to project delivery involves a combination of administrative or management steps and procedures that make sure the project scope objectives are met, on time and within budget. The elements of the project management effort can generally be identified as communication, thorough documentation and quality control. Maira Salcedo and all of our staff engineers have the project management tools in place to confirm all aspects of the delivery process are implemented, and the goals and expectations of City staff are met.

As part of the scoping phase of each Task Order, Psomas will collaborate with the City's Project Manager to define the project schedule, establish meeting frequency, and submit monthly project status reports for each Task Order.

Communication

Communication starts with scope negotiation, a signed contract and a kick-off meeting, and continues through the completion of the project. Without communication, a project simply will not be delivered. Psomas takes great pride in our communication protocols and abilities. Our ultimate goal is to be an extension of City staff, and to make certain the City's project manager is always up-to-date on the status of each task, so there are no surprises.

Project Budget Tracking

Psomas recognizes the need for tracking project budgets along with progress in order to minimize the risk of overruns. Each week, our project manager receives project summary reports detailing hours charged and costs for that particular period and for the project to date. On our monthly invoices, the client is provided with the hours and costs charged to the job for that month, and a budget summary that shows the amount spent to date and the amount remaining.

Psomas uses project management software that tracks schedule and budget by task. Work schedule modifications can be made to keep the project on track.

Schedule Control

For each project, Psomas develops and maintains a project schedule that identifies key milestones and critical path items. The schedule is frequently updated and shared with the project team and stakeholders. To make sure the project remains on schedule, the following strategies are used:

- Constant communication with the City's project manager to identify critical items
- Quick response to design questions, field issues, and other requests
- Monitoring of the project schedule to compare progress versus plan
- QA/QC verification of subconsultant products and progress
- Sharing of design files, meeting notes, and other documents on Psomas' ProjectWeb to confirm all team members are using the most recent information

Using these tools, Psomas is able to maintain the project schedule by monitoring time-critical items such as agency/stakeholder review periods, utility relocations, right-of-way acquisitions, and environmental permitting issues.

Documentation

Proper documentation is critical for all projects, but especially for projects funded with multiple funding sources including local, state, and federal dollars. Psomas team members have a wealth of experience delivering projects for local agencies that use local, state, and federal funds. Psomas' document control management policies make sure files are complete and accurate and meet the requirements of the funding source.

Our typical monthly project progress reports include the status of deliverables, utility and outside-agency efforts, cost and schedule snapshot and analysis, and issues discussion and recommended resolution actions. These monthly progress reports will be tailored to the needs and desires of the City. Meeting minutes will be prepared documenting the view of internal and external stakeholders and action items.

Quality Assurance/Quality Control

Psomas has responsibility for the accuracy and completeness of the maps, plans, reports, calculations, and construction cost estimates under its scope of work and will meet that responsibility through the implementation of a quality assurance plan. Our QA/QC Program is based upon the belief that "Nothing is more important than design quality."

The individuals responsible for our Quality Control Program (QCP) are the Task Leads and Quality Assurance Manager. Our QCP will be implemented over the duration of the project, and is not merely a series of individual events/plan checks at a few points on the schedule.

There are **three major stages in our QCP**: quality assurance (are we doing the right things?), quality control (are we doing things right?), and post-completion quality evaluation (what can we do better?). Couple the three stages with a robust training program, and you have a staff with the experience, expertise, and the QA/QC tools to deliver a quality product every time.

In the quality planning stage, Psomas uses the kick-off meeting to determine your QCP expectations. Our Quality Assurance Manager will then develop a work plan with the project manager based upon the client's input, the schedule, and the budget. The work plan identifies specific work products and establishes a set of relevant measures and standards of quality for each task that may result from this on-call contract. Once work on the project begins, we move on to the quality control stage. In this stage we track the execution of the work plan, review our designs and work products, and communicate with the client and team members. We provide project information through our cloud-based file sharing tools, allowing all team members to monitor the progress of our work plan. In this stage, the Quality Assurance Manager also facilitates detailed technical reviews of our field work and design, and those of all team members, to make sure they meet the quality standards defined in the quality planning stage. This review is continuous throughout the life of the project and will deliver a smooth process and buildable final product.

Deliverables and Implementation Plan

In order to demonstrate our approach to responding to a task order request from the City of Huntington Beach, we have provided a sample scope of services illustrating typical detailed tasks and deliverables (in table format) and schedule exhibit (prepared in Microsoft Project) for a water replacement project on the following pages.

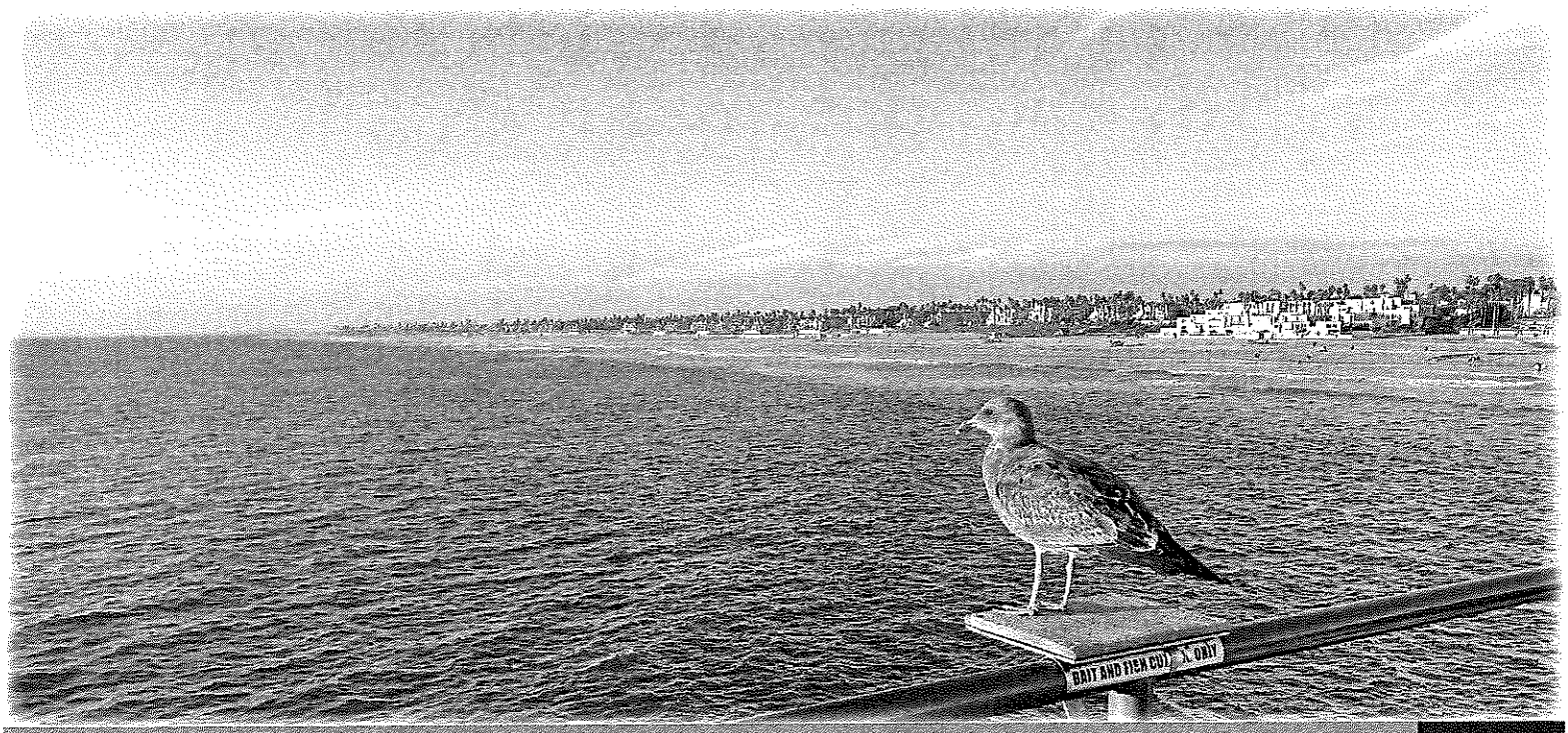


TABLE 2: SAMPLE SCOPE OF SERVICES

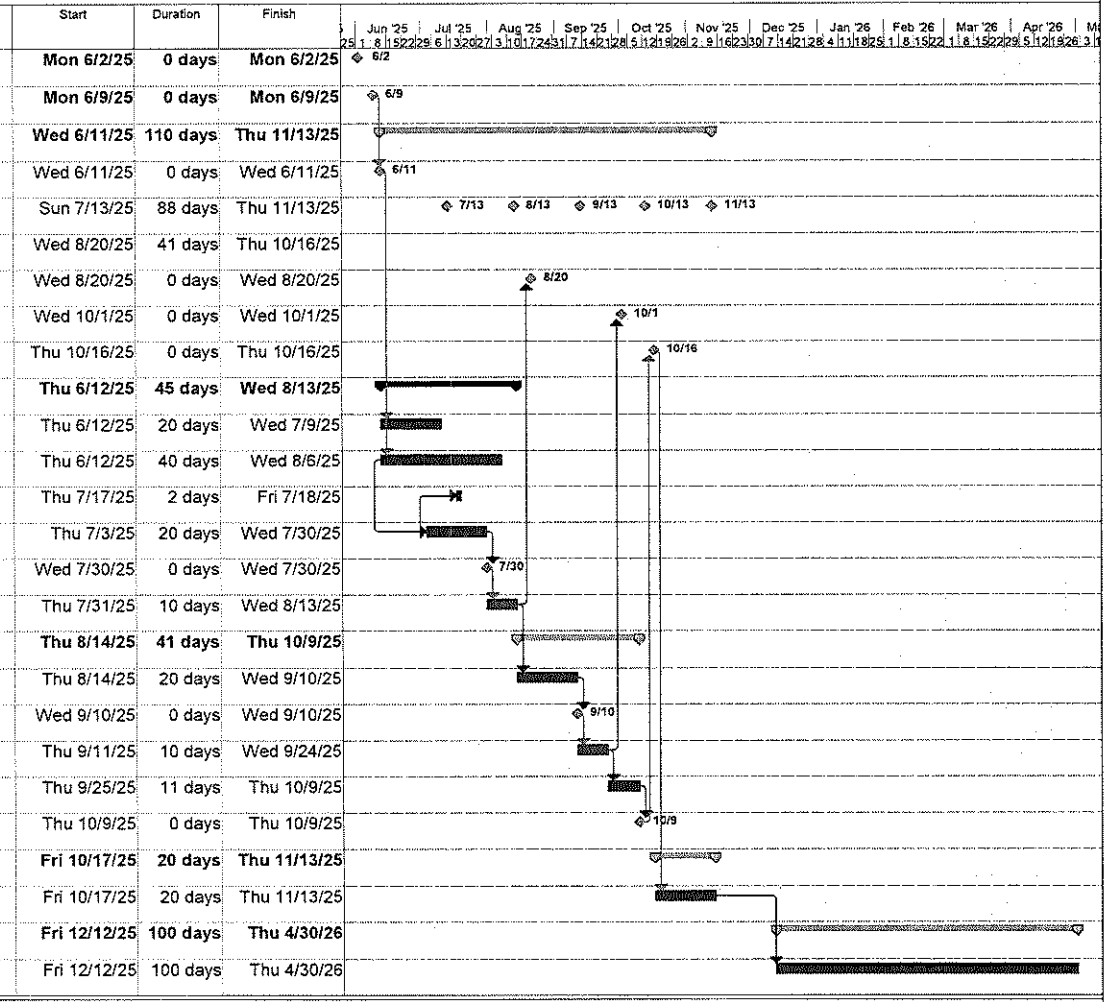
	Project Administration
1.	Attend kick-off meeting at City to discuss scope, schedule, and lines and methods of communication between Psomas team and City staff.
2.	Prepare agenda, attend, and prepare minutes for monthly meetings with City staff during the design phase to review project issues and status reports and monitor schedule progress.
3.	If necessary, attend City Council or Planning Commission meetings.
Deliverables: Meeting agendas, minutes, and attendance	
	Preliminary Design (30% Design)
4.	Verify pipe information from "as-builts."
5.	Perform utility research by contacting all potential utility companies and conducting field walk.
6.	Research and obtain available preliminary plans, studies, and reports from the City, County and pertinent local utility providers. Additionally, Psomas will review relevant design considerations for existing conditions, and assess deficiencies and the need for corrective action
7.	Provide survey services as required.
8.	If necessary, perform geotechnical soil borings.
9.	Prepare 30% submittal and meet with City staff to review comments.
Deliverables: Utility research correspondence and plans gathered to date, 30% PS&E submittal (PDF and 3 copies of PS&E).	
	90% Design
10.	If necessary, perform potholes to verify existing utility depths.
11.	Prepare 90% PS&E submittal, including incorporation of the City's 30% comments and other requirements.
Deliverables: Final utility research correspondence and plans, 90% PS&E submittal (PDF and 3 copies of PS&E).	
	Final Design (100% Submittal)
12.	Coordinate work with City and impacted agencies prior to securing approval to proceed with final design.
13.	Prepare 100% PS&E submittal based on comments from 90% submittal review and other requirements.
Deliverables: Final PS&E submittal (ready for printing/bidding and 3 copies of PS&E) with 90% City redlines and comments, digital submittal (including original AutoCAD files).	
	Bid/Award and Construction Support Services
14.	Provide support services during bid/award phase to answer contractor questions and plan clarifications and prepare addenda for revisions, if necessary. Assist City staff in bid analysis and preparation of award documents.
15.	Provide engineering support services during construction to attend pre-construction meeting, respond to RFIs, review submittals, observe construction, make potential plan revisions to address unforeseen conditions, and prepare record drawings.
Deliverables: Addenda, if required, RFI responses, submittal review, record drawings.	

EXHIBIT 1: SAMPLE SCHEDULE

Psomas maintains excellent working relationships that have proven our track record for providing high quality work products in a timely and cost-effective manner. The hypothetical schedule below details the typical work phases to be completed, the tasks to be accomplished, the deliverables to be provided, and the schedule to complete a project.

CITY OF HUNTINGTON BEACH
<< Sample Project >>
Project Schedule

Task Name	Start	Duration	Finish
Project Award Date (Anticipated)	**Mon 6/2/25**	**0 days**	**Mon 6/2/25**
Notice To Proceed	**Mon 6/9/25**	**0 days**	**Mon 6/9/25**
Project Management, Data Gathering and Meetings	**Wed 6/11/25**	**110 days**	**Thu 11/13/25**
Kick-Off/Pre-Design Meeting	Wed 6/11/25	0 days	Wed 6/11/25
Monthly Coordination Meetings (1 through 5)	Sun 7/13/25	88 days	Thu 11/13/25
Milestone Review Meetings	Wed 8/20/25	41 days	Thu 10/16/25
Milestone Meeting 1 (30% Submittal)	Wed 8/20/25	0 days	Wed 8/20/25
Milestone Meeting 2 (90% PS&E)	Wed 10/1/25	0 days	Wed 10/1/25
Milestone Meeting 3 (100% PS&E)	Thu 10/16/25	0 days	Thu 10/16/25
Preliminary Engineering Services	**Thu 6/12/25**	**45 days**	**Wed 8/13/25**
Topographic Survey and Base Mapping	Thu 6/12/25	20 days	Wed 7/9/25
Records and Utility Research	Thu 6/12/25	40 days	Wed 8/6/25
Site Investigation	Thu 7/17/25	2 days	Fri 7/18/25
Prepare 30% Submittal	Thu 7/3/25	20 days	Wed 7/30/25
Submit 30% Submittal	Wed 7/30/25	0 days	Wed 7/30/25
City Review	Thu 7/31/25	10 days	Wed 8/13/25
Design Phase Services	**Thu 8/14/25**	**41 days**	**Thu 10/9/25**
Prepare 90% PS&E	Thu 8/14/25	20 days	Wed 9/10/25
Submit 90% Submittal	Wed 9/10/25	0 days	Wed 9/10/25
City Review	Thu 9/11/25	10 days	Wed 9/24/25
Prepare 100% PS&E	Thu 9/25/25	11 days	Thu 10/9/25
Submit 100% Submittal	Thu 10/9/25	0 days	Thu 10/9/25
Bid Support Services	**Fri 10/17/25**	**20 days**	**Thu 11/13/25**
Bid Phase Support	Fri 10/17/25	20 days	Thu 11/13/25
Construction Support Services	**Fri 12/12/25**	**100 days**	**Thu 4/30/26**
Project Construction	Fri 12/12/25	100 days	Thu 4/30/26



Duration Is Shown In Working Days | Psomas' Project Team Task | City Task

PSOMAS PROJECT SCHEDULE

D 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 Federal and State standards and guidelines starting with the Caltrans' Local Assistance Procedures Manual (LAPM), Local Assistance Program Guide (LAPG) and our understanding of the community.

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.

Maira Salcedo, PE, ENV SP will serve as the Contract Manager and Water/ Sewer/Storm Water Engineering team lead and Carrie Davis, PE will be the team lead for General Civil Engineering design, both known and trusted Project Managers with extensive experience in delivering services for similar projects.

Subconsultant Firm Profiles

Monument

RIGHT OF WAY AND UTILITY SERVICE

Monument, a DBE, SBE, and WBE certified firm, is a full-service real estate and right of way company providing exceptional service, strategic planning, innovation, and timely delivery. They serve local, state, and federal agencies, transportation authorities, and engineering partners with public infrastructure projects throughout California. Monument understands the difference an experienced, solutions-minded right-of-way partner can bring in achieving the goals and objectives of a project

Monument's interdisciplinary team is composed of highly-experienced project managers, seasoned acquisition agents, relocation experts, and project support specialists, working together with the client to provide solutions at every phase of the project. The Monument team is known in the industry for successfully completing projects on an accelerated schedule. They know the importance of collaborating with stakeholders to ensure the successful and timely completion of each project. Monument is a project partner, equally invested in the goals and objectives of the project and fully integrated with the project team.

Arcon Structural Engineers

STRUCTURAL

Arcon Structural Engineers, Inc. (ARCON) is a structural engineering consulting firm founded as a California Corporation in June of 1998. The firm specializes in the structural design of new office, commercial, industrial and residential buildings, as well as civil structures related to transportation and infrastructure construction and rehabilitation. ARCON is experienced in providing these services for public sector projects under the jurisdiction of the California Department of Transportation and other local counties and municipalities. The headquarters for the firm are located in Rancho Santa Margarita.

SPEC Services, Inc.

ELECTRICAL

SPEC Services provides planning, project management, engineering and design, procurement, construction management, and related services for facilities and infrastructure projects, primarily in the Western and Southwestern USA. From their base in Southern California, they have been reliably serving industry, utilities, and agencies for over 35 years. Initially focusing their services exclusively on pipelines and terminals for the oil and gas industry, they have expanded to serve all segments of the oil and gas industry, gas utilities, water and wastewater industries, and other urban infrastructure programs.

Organization Chart

The Organization Chart below identifies our Contract Manager who will also be the single point of contact for this contract. The Organization Chart delineates the Psomas Team, their roles, and lines of communication.

Resumes

Resumes of key staff (indicated by ★) are provided in Appendix A.

City of Huntington Beach

QA/QC MANAGER
Arief Naftali ★, PE, TE, EE, RSP1, ENV SP

CONTRACT/SR. PROJECT MANAGER
Maira Salcedo ★, PE, ENV SP

PRINCIPAL-IN-CHARGE
Alejandro Angel ★, PhD, PE, RSP2, PTOE

General Civil Engineering

GENERAL CIVIL LEAD
Carrie Davis ★, PE

CIVIL ENGINEER
Ion Cretu ★, PE, QSD/QSP, LEED AP BD+C, ND, ENV SP

WQMP/SWPPP
Steven Baine, PE, QSD, ENV SP

STRUCTURES
Douglas Fredericks, PE, ENV SP

TRANSPORTATION
Tim Chan, PE

Nam Nguyen, EIT, ENV SP

SURVEY LEAD
Steve Price ★, PLS

SUBSURFACE UTILITIES
Shawn Clark

Subconsultant Resources

RIGHT-OF-WAY/UTILITY ENGINEERING
Daniela Borbe

Curtis Bibolet ★, SR/WA, RW-AMC
KOA CORP

STRUCTURAL
Hernan Montoya ★, SE, PE
ARC/SH

ELECTRICAL/CONTROLS
Long Pham ★, PE, EE, CSE
SPEC SERVICES

Water/Wastewater/ Stormwater

WATER/WASTEWATER/ STORMWATER LEAD
Maira Salcedo ★, PE, ENV SP

MASTER PLANNING
Kim Alexander ★, PE

ENGINEERING
Brian Wright, PE, QSD/QSP, ENV SP

Dan Flores ★, PE

Ben Halbach ★, PE, ENV SP

Support Staff

GENERAL CIVIL
Brandon Pence, PE, ENV SP

Shayesta Vafai, EIT, ENV SP

Patricia Hernandez

Yelena Prokofyeva

TRANSPORTATION
Darlene Yellowhair, PE, PTOE, RSP, ENV SP

Jose Santillan

Daniel Pham

Ajay Ascano

WATER/WASTEWATER/ STORMWATER
Krista Kausen, PE

Joseph Barrera, EIT

E Qualifications

78 Years EXPERIENCE

770+ Employees

Firm Experience

Dedicated to balancing the natural and built environment, Psomas provides sustainably engineered solutions to public and private sector clients. As a full-service consulting firm, we help our clients create value by planning, designing, and delivering complex projects.

Markets served include water, transportation, land development, and energy with the following services offered:

- Water and wastewater engineering
- Construction management
- Civil engineering
- Environmental planning and resource management
- Land surveying and geospatial services including use of drones, 3D laser scanning and subsurface utility locating
- Site development engineering
- Transportation and traffic engineering
- Structural engineering
- Land planning and urban design
- Land use entitlements
- GIS consulting

Psomas is a recognized leader and longtime proponent of environmental, social, and economic sustainability and brings a truly holistic approach to our practice and our projects. A founding member of the Institute for Sustainable Infrastructure (ISI), Psomas is committed to promoting a progressive standard of sustainability in both design and company policy. We currently have 38 staff who are ENV SPs (Envision Sustainability Professionals through ISI) and/or LEED APs.

The cornerstone of our business approach is to first focus on our clients' long-term needs and then direct our strategic growth accordingly. Our core strength is our multi-disciplined teams of experts—top-notch staff who produce award-winning projects for our clients through innovation, creativity, and cutting-edge technical expertise.

Founded in 1946, Psomas provides services from offices throughout California, Arizona, Utah, and Washington.

Demonstrated Record of Success

Psomas has provided engineering design and planning services to public works agencies and private water companies for water, wastewater systems, and drainage facilities. From the rehabilitation of aging infrastructure to the design of new systems, Psomas' strength is in providing economical solutions that minimize impacts to residents and the environment, as well as reducing costs to rate payers.

Relevant Experience and References

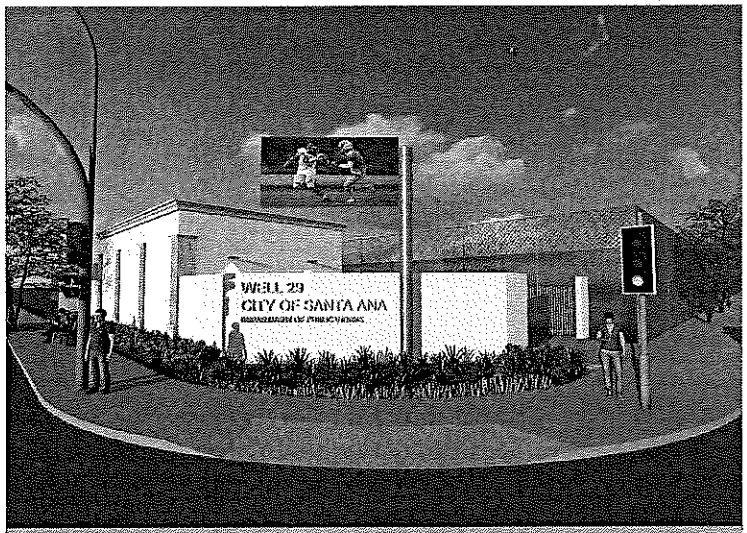
Relevant local project experience highlighting Psomas' expertise in providing similar services to those identified in the RFQ's Scope of Work within the past five (5) years is provided in the following pages and outlined in the attached References of Work Performed Form. The City of Huntington Beach is invited to contact any of the listed references for feedback regarding Psomas' performance.

Rehabilitation of City Well 29

Santa Ana, CA | City of Santa Ana

Relevance to this Project

- Potable Water Production
- Potable Water Well Rehabilitation
- CMU Well Building
- Facility Sizing and Pump Sizing
- Alignment Evaluations



Well 29 rehabilitation project rendering

Psomas is preparing PS&E documents for the rehabilitation of the City's existing Well 29; this involves relocation of an existing tennis court, and construction of a CMU building, pertinent related site improvements, and water pumping equipment. In addition to the well pump and redesigned discharge piping, the building will house the electrical switchboard and the pump motor control center. Well 29 is one of three wells pumping water from the groundwater basin to the Walnut Street Reservoir as part of the City's Walnut Pump Station System. Due to the age of the well and the deterioration of the well's capacity and equipment, the City wishes to rehabilitate Well 29 and reconfigure the existing site. The City is seeking to improve the productivity of the well by conducting rehabilitation operations and subsequently placing it back into service. Based on the anticipated production rate of 2,500 gpm, the project will include design of the following facilities:

- New 42'x26' Art Deco façade cement masonry unit (CMU) building with a pump room, electrical room, and SCE meter room.
- A 250-hp pump with an anticipated pumping capacity of 2,500 gallons per minute (GPM).
- New pressure regulating vault for the City's existing Well 16 and Well 29 discharge lines. Each discharge line will be equipped with a pressure sustaining valve and butterfly valve. Reconnection to the existing 16-inch CIP (Well 16) and 14-inch steel (Well 29) will also be required.
- Sitework, including a CMU perimeter wall and replacement of the existing tennis court with two pickleball courts.
- A new concrete paved site equipped with a motorized swing gate and motorized rolling gate to improve site ingress and egress.
- Relocated SCE Meter, SCE Transformer and concrete pad. If the existing transformer is not adequate for the new site loads, SCE will provide a new transformer.

REFERENCE

Armando Fernandez
Senior Civil Engineer
(714) 647-3316
afernandez@santa-ana.org

PROJECT TEAM

Maira Salcedo
Project Manager

Krista Kausen
Project Engineer

Joseph Barrera
Civil Engineer Designer

SERVICE DATES

Dec 2017 - present

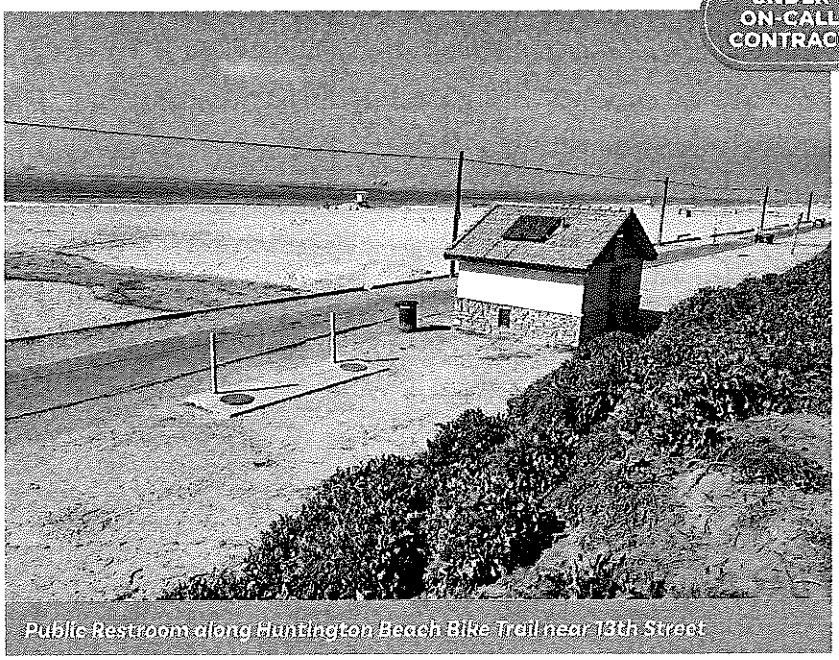
Beach Restrooms Sewer Lift Station Conceptual Plan

Huntington Beach, CA | City of Huntington Beach

UNDER ON-CALL CONTRACT

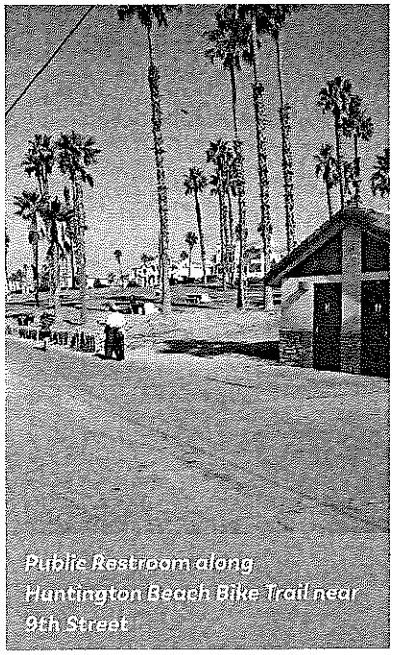
Relevance to this Project

- Wastewater Lift Station
- Sewer Force Main
- Gravity Sewer Pipeline
- Hydraulic Calculations
- Surveying Services



Public Restroom along Huntington Beach Bike Trail near 13th Street

Through an on-call engineering services contract with the City of Huntington Beach, Psomas provided a conceptual plan for construction of a gravity sewer main connecting four public restrooms along the beach bike trail parallel to Pacific Coast Highway (PCH) between 9th Street and 22nd Street. Effluent from the proposed gravity sewer main will be pumped by a new submersible lift station through a force main across PCH and connect to an existing gravity sewer main in the alley between PCH and Walnut Avenue. The restrooms currently drain to septic tanks and require regular maintenance by pumping trucks. This new sewer system will greatly reduce maintenance costs and impacts to trail users.



Public Restroom along Huntington Beach Bike Trail near 9th Street

Using the City-provided septic tank maintenance records and anticipated minimum slopes, hydraulic calculations were completed to size the pipelines and lift station. However, following the completion of the geotechnical investigation it was determined the groundwater level would result extensive construction dewatering and shoring operations and, in addition, the City's bathroom master planning program was underway. Therefore, following discussions with City staff, this project has been deferred until further notice.

REFERENCE

Chris Tanio, PE
Principal Civil Engineer
(714) 536-5467
chris.tanio@surfcity-hb.org

PROJECT TEAM

Maira Salcedo
Project Manager

Ben Halbach
Project Engineer

Joseph Barrera
Civil Engineer Designer

Steve Price
Surveying Manager

SERVICE DATES

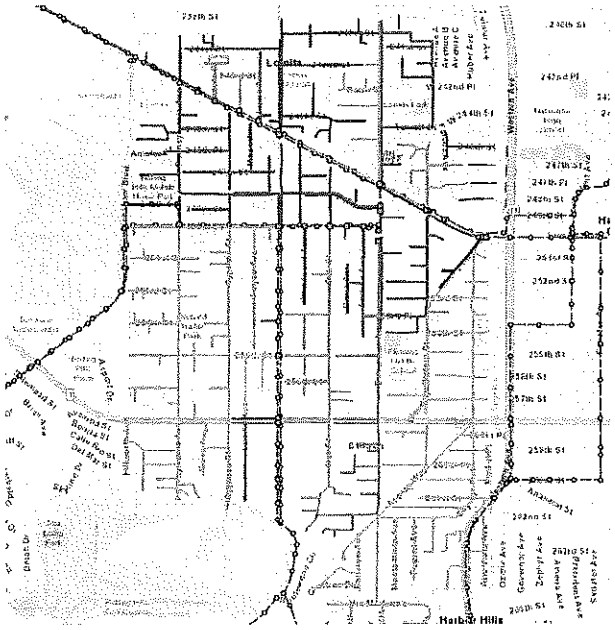
Oct 2021 - Dec 2023

City of Lomita 2024 Sewer Master Plan

Lomita, CA | City of Lomita

Relevance to this Project

- Wastewater Master Plan
- Hydraulic Modeling
- Sewer Pipeline Condition Assessment



Psomas is preparing the City of Lomita (City) 2024 Sanitary Sewer System Master Plan Master Plan. The project scope includes analyzing and assessing the City's existing sewer infrastructure to address condition and capacity deficiencies in the system. Psomas is developing a 10-year Capital Improvement Plan (CIP) that will look to replace, rehabilitate, and maintain the sewer facilities and infrastructure. Additionally, Psomas will develop a sewer hydraulic model that will validate the recommendations made in the Master Plan and can be used by the City for future analysis.

The City of Lomita is a densely populated area with a mostly residential neighborhood and commercial units. The City has entrusted the management, operation, and maintenance of its local sanitary sewer system to the Consolidated Sewer Maintenance District (CSMD). However, the City is responsible for confirming that the public sewer infrastructure is correctly designed, adequately sized, and easily maintained.

Psomas is coordinating with both the CSMD and the City to collect and review all significant data to complete the Sanitary Sewer System Master Plan and develop a sewer hydraulic model and a capital improvement program (CIP), pipeline condition assessment, and evaluate operation & maintenance (O&M) practices. Additionally, key system data is being collected for use in the development of Sewer Impact Fees. The entire effort will be documented in a complete sewer master plan report for review and approval by the City.

The development of the 10-year CIP will include reviewing 15% of the City's pipelines (30,000 LF). Detailed pipeline assessment for the selected sewer pipe segments and used as a sample representation of the overall condition of the sewer system. Upon review, Psomas will provide a recommended rehabilitation method along with a justification/rationale for each sewer segment. Rehabilitation recommendations will take into consideration the sewer segment location and note potential construction activity and cost impacts for the City's consideration.

REFERENCE

Jennifer Howell
Associate Engineer
City of Lomita
(310) 325-7110
j.howell@lomitacity.com

PROJECT TEAM

Kim Alexander
Project Manger

Ben Halbach
Project Engineer

Joseph Barrera
Civil Engineer Designer

SERVICE DATES

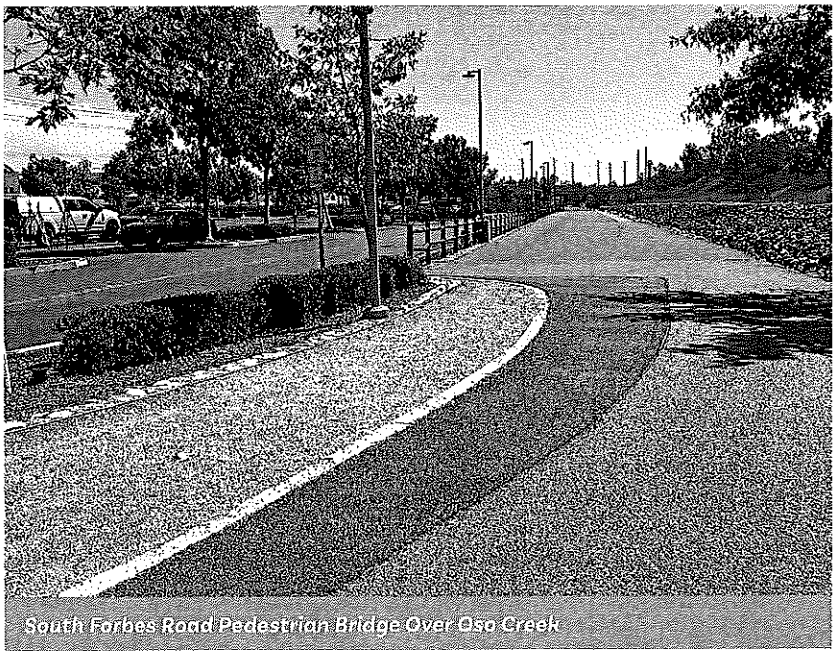
Jul 2023 - present

Oso Creek Multi-Use Trail Preliminary Design and PS&E

Laguna Niguel, CA | The Hanover Company/City of Laguna Niguel

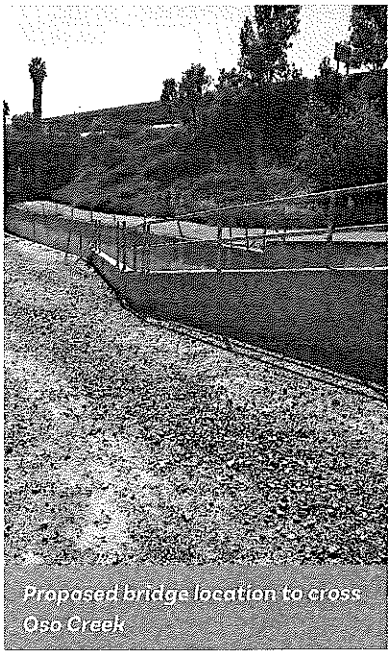
Relevance to this Project

- Extension of Oso Creek Trail
- ADA Compliance
- Permitting through OCPW



South Forbes Road Pedestrian Bridge Over Oso Creek

Psomas is finalizing design plans to extend the existing Oso Creek Trail to the south by approximately 800 feet and to construct a new pre-fabricated pedestrian bridge over Oso Creek. Services included field topographic survey, environmental review, civil and structural design, signage, and water quality documentation and design. This project provides a vital link between the existing Oso Creek Trail and the City of Laguna Niguel's planned extension to the south as it provides a crossing from the east side of Oso Creek to the west side. As a condition of development for Hanover Company, the plans were permitted by the City's Public Works and Building and Safety Departments as well as Orange County Public Works. Psomas coordinated with the County and City to assist in the development of a Maintenance and Use agreement to allow the City to operate and maintain the trail improvements on OCPW property.



Proposed bridge location to cross Oso Creek

REFERENCE

Daniel Leach
Project Executive
(310) 850-7348
dleach@hanoverco.com

PROJECT TEAM

Carrie Davis
Project Manager

Arief Naftali
Principal-in-Charge

Nam Nguyen
Traffic Designer

Shayesteh Vafai
Civil Designer

SERVICE DATES

Jun 2022 - present

RCTD On-Call Engineering and Surveying Services

Riverside County, CA | Riverside County Transportation Department

UNDER ON-CALL CONTRACT

Relevance to this Project

- Roadway rehabilitation, reconstruction with traffic engineering improvements
- Signing/striping upgrades
- Temporary Traffic Control, Caltrans Encroachment Permit and Structural detail elements
- PS&E per County standards and guidelines
- State funded project
- Caltrans Encroachment Permit

Center Street-Stephens Avenue Resurfacing - Riverside

In 2019, Psomas was awarded an on-call services contract with Riverside County Transportation Department, which extends through 2025. The following are recent relevant task orders from this contract.

- **Center Street/Stephens Avenue Resurfacing:** Psomas developed pavement rehabilitation and reconstruction plans for Center Street and Stephens Avenue in Highgrove, including asphalt roadway rehabilitation.
- **Soboba Road Resurfacing PS&E:** Psomas rehabilitated Soboba Street between Stetson Avenue and SR-74, including surface drainage and curb ramps.
- **Cornell Street Resurfacing PS&E:** Psomas resurfaced Cornell Street between Crest Drive and SR-74 in Hemet, including full-depth pavement removal, surface drainage improvements, and ADA ramp upgrades.
- **Grand Avenue Sidewalk Gap Closure PS&E:** Psomas designed a sidewalk gap closure along Grand Avenue in Lake Elsinore, including new sidewalk, surface drainage improvements, and ADA ramp upgrades.

Additional task orders include:

- Whitewater Canyon Road Repair Hydrology and Hydraulic Report
- Gilman Springs Road Survey Legal and Plats
- Thermal/Oasis Bike Trail Phase 2A

REFERENCE

Mike Heath
Senior Civil Engineer
(951) 955-2366
mikeheath@rivco.org

PROJECT TEAM

Carrie Davis
Project Manager/QA/QC

Arief Naftali
Project Manager/ Principal-in-Charge

Nam Nguyen
Traffic Designer

Shayestah Vafai
Civil Designer

SERVICE DATES

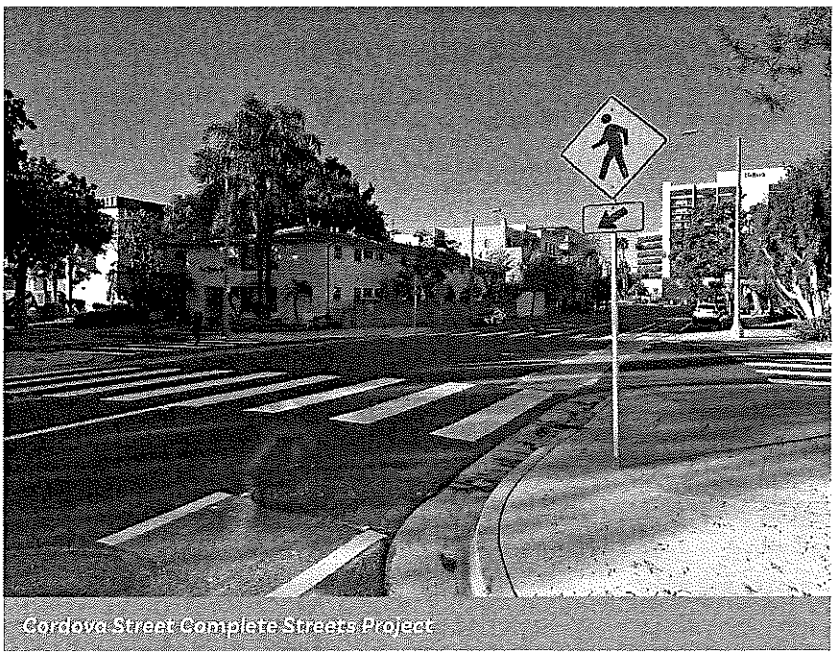
Jan 2020 - present

City of Pasadena, Cordova Street Complete Street Project

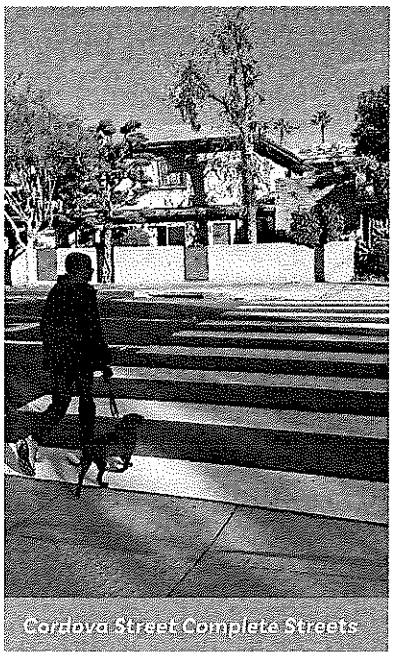
Pasadena, CA | City of Pasadena/City of Pasadena

Relevance to this Project

- Multi-modal streets design
- Signing/striping, including buffer bike lane
- Safety enhancement and sight distance analysis
- Complete streets design
- Balancing competing transportation modes in constrained corridor
- Signal Design
- Signing/Striping
- Street Light Design and Photometric Analysis
- Crossing Traffic Control Devices
- Parking, Circulation, and Access
- Sight Distance Analysis



Cordova Street Complete Streets Project



Cordova Street Complete Streets

The City of Pasadena is leading the way in Southern California in developing balanced policies involving the mobility choices of all. The City retained Psomas to develop preliminary engineering design alternatives to provide recommendations for the project scope, followed by final construction PS&E for the Cordova Street Complete Streets Project. The project will improve safety along Cordova Street with Class II bike lanes, bicycle detection, street resurfacing, pedestrian ADA accessibility upgrades, and water quality improvements. This project not only creates a Complete Streets environment, it also promotes a livable community where people can circulate without cars. Cordova Street between Hill Avenue and Marengo Avenue will be reconfigured from two lanes in each direction to one lane in each direction, adding five-foot bicycle lanes adjacent to an eight-foot parking lane (where practical). In addition, Psomas will support the City's community outreach efforts as they continue to gather input from the businesses and residents along Cordova Street.

REFERENCE

Brent Maue
Acting City Engineer, Public Works Department
(626) 744-4307
bmaue@cityofpasadena.net

PROJECT TEAM

Arief Naftali
Project Manager

Nam Nguyen
Traffic Designer

Brandon Pence
Civil Designer

SERVICE DATES

Aug 2018 - Jun 2023

References of Work Performed Form

(List 5 Local References)

Comany Name: Psomas

1. Name of Reference: City of Huntington Beach

Address: 17371 Gothard St, Huntington Beach, CA 92647

Contact Name: Chris Tanio Phone Number: 714.536.5467

Email: chris.tanio@surfcity-hb.org

Dates of Business: Oct 2021 - Dec 2023

2. Name of Reference: City of Santa Ana

Address: 220 S Daisy St, Santa Ana, CA 92703

Contact Name: Armando Fernandez Phone Number: 714.647.3316

Email: afernandez@santa-ana.org

Dates of Business: Dec 2017 - Ongoing

3. Name of Reference: City of Lomita

Address: 24300 Narbonne Ave, Lomita, CA 90171

Contact Name: Jennifer Howell Phone Number: 310.325.7110 x170

Email: j.howell@lomitacity.com

Dates of Business: July 2023 - Ongoing

4. Name of Reference: Hanover Company

Address: 11611 San Vicente Blvd, Suite 740, Los Angeles, CA 90049

Contact Name: Daniel Leach Phone Number: 310.850.7348

Email: dleach@hanoverco.com

Dates of Business: June 2022 - Ongoing

5. Name of Reference: City of Rialto

Address: 335 W Rialto Avenue, Rialto, CA 92376

Contact Name: Art Cervantes Phone Number: 909.820.2531

Email: acervantes@rialtoca.gov

Dates of Business: June 2022 - Ongoing

A Resumes

MAIRA SALCEDO, PE, ENV SP

Contract Manager/Sr. Project Manager – Psomas

REGISTRATION

2011/CA/Professional Engineer/Civil/77370

2022/WA/Professional Engineer/Civil/22015476

EDUCATION

2006/BS/Civil Engineering/ California State University, Fullerton

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure

Pipeline Assessment Certification Program/ NASSCO/U-508-7002

Manhole Assessment Certification Program/ NASSCO/U-508-7002

PROFESSIONAL AFFILIATIONS

Orange County Water County

EXPERIENCE

With Psomas for 19 years; with other firms for 1 year

Maira Salcedo has 20 years of experience in design of sewer systems, water systems, and report preparation on public works projects throughout Southern California. She has extensive recent experience with water facilities, such as pump stations, potable water wells and pipelines, pressure reducing stations, sewer lift stations, and sewer pipeline replacement and rehabilitation projects. Her computer experience includes ArcView, MS Project, and various spreadsheet software.

Experience

FF-11 Water Line Replacement and Adobe PRS Replacement – **Yorba Lina, CA:** QA/QC Manager for preparation of plans, specifications and estimates (PS&E), bid phase support services and construction support services for replacement of 2,100 LF of 8-inch and 250 LF 6-inch diameter asbestos cement pipe within Via Del Agua, Via Del Puente, Via Del Cerro, and Via Tomas to improve fire flow for the area. The project included connections to existing water mains and water meters and the replacement of pipeline appurtenances, including valves, hydrants, air/vacuum assemblies, and flush-out assemblies.

As-Needed Water Engineering Design Services – **Santa Ana, CA:** Primary Point of Contact/Project Manager for ongoing professional engineering services under as-needed contracts for the City's Water Resources Division of the Public Utilities Department. Projects have included a variety of water facilities design projects including pump station upgrades, potable well pumping facilities, electrical improvements, and instillation of emergency generators.

Bristol Street Water Main Replacement – **Santa Ana, CA:** Project Engineer for preparation of plans and specifications for replacement of 4,600 LF of 16-inch diameter ductile iron pipe that has experienced several leaks and breaks within the past few years due to corrosive soil conditions. Based on recommendations of the corrosivity analysis of the geotechnical report, the design used 16-inch C900 (DR 14) PVC pipe with AWWA C217 wax coating over the ductile iron fittings and valves. The project also included the use of Type V cement in all thrust blocks as the soil was found to be high in sulfates.

Rehabilitation of City Well 29 – **Santa Ana, CA:** Project Manager for preparation of construction plans and technical specifications for rehabilitation of the City's existing Well 29; the relocation of an existing tennis court; and construction of a cement masonry unit (CMU) building, pertinent related site improvements, and water pumping equipment. In addition to the well pump and redesigned discharge piping, the building will house the electrical switch board and the pump motor control center.

Well 28D Equipping Design – Bellflower, CA: Project Manager for preparation of plans and specifications for new 1,500-GPM, 250-hp vertical turbine well pump equipment, including vertical turbine pump, mechanical piping, bypass valve and air gap connection to storm drain, 600-amp electrical service, 1,120 SF masonry pump, electrical, chemical feed, and SCE meter building designed to blend into residential neighborhood, sodium hypochlorite on-site generation system, sodium fluoride feed system, HVAC, plumbing, and fencing.

Walnut Pump Station Upgrade – Santa Ana, CA: Project Manager for preparation of preliminary design report, plans and construction cost estimating for the construction of a new 3,650 SF CMU precision block building, including the footprint of the existing control building and extending north to enclose the existing outdoor pump station and separate stand alone CMU building for the centralized Walnut Pump Station on-site generation sodium hypochlorite system. Other notable design items included demolition of the existing control building and sand trap; construction of an 8-foot-high CMU perimeter wall, 10-foot concrete tennis practice wall, pickleball courts, and 20'x50'x14' carport; rerouting of 24-inch inlet line; design of a gooseneck structure to allow groundwater to be manually bypassed around the reservoir to storm drains; electrical equipment and conduits; and site improvements.

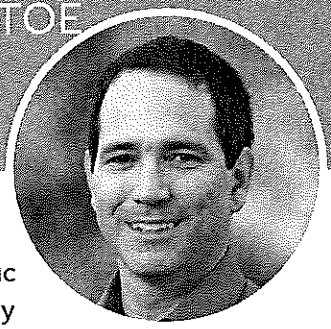
Rosecrans Booster Pump Station Replacement – Buena Park, CA: Project Manager for this project, which involved construction of a new pump station at the site of the existing Rosecrans Booster Pump Station in order to serve residents and properties in the upper zones of the Buena Park potable water system. Original pumping capacity was less than 3,500 GPM, which did not meet peak-hour (3,531 GPM) or maximum-day-plus-fire (5,395 GPM) demands. The newly constructed 1,949 SF pump station building includes four separate rooms, pump room, electrical room, generator room, and disinfection room.

Del Amo 5 Sewer Relief Project – Torrance, CA: Project Manager for the design of approximately 2,000 LF of pipe burst of the existing 12-inch VCP sewer with a 16-inch HDPE pipe in Hawthorne Boulevard between Del Amo Circle and Sepulveda Boulevard and 200 LF of dual 12-inch VCP sewer. The upsized sewer will reconnect to an existing Los Angeles County Sanitation Districts (LACSD) sewer manhole and require the downstream connection point in the intersection of Hawthorne Boulevard and Sepulveda Boulevard to meet LACSD standards as well as review and approval from the LACSD.

45th Street East Extension Truck Sewer Project – Palmdale, CA: Project Manager for the upsize of existing public sewer mainlines within 45th Street East, from Avenue R to Avenue S (approximately one square mile), increasing the capacity to handle existing and future development flows. This project replaced existing public sewer mainlines, constructed a new VCP relief sewer mainline, and connected to the Los Angeles County Sanitation District (LACSD) No. 20 trunk line. Psomas performed final design engineering, geotechnical, and surveying services.

ALEJANDRO ANGEL, PHD, PE, RSP2, PTOE

Principal-in-Charge – Psomas



REGISTRATION

2003/AZ/Professional Engineer/Civil/40203

2008/CA/Professional Engineer/Civil/72792

2016/UT/Professional Engineer/9731937

EDUCATION

2008/PhD/Civil Engineering (Transportation)/University of Arizona

2002/MS/Civil Engineering (Transportation)/University of Arizona

1999/BS/Civil Engineering/ Universidad EAFIT, Colombia

CERTIFICATIONS

Road Safety Professional Level 2/Transportation Professional Certification Board Inc./35

Professional Traffic Operations Engineer/ Transportation Professional Certification Board Inc./1324

PROFESSIONAL AFFILIATIONS

Institute of Transportation Engineers

EXPERIENCE

With Psomas for 23 years; with other firms for 3 years

Alejandro is the Project Director of Engineering for Psomas. Alejandro's experience includes numerous traffic engineering studies for public and private projects, safety evaluations, the development of engineering standards and policies, and the planning and design of roadway and active transportation projects, roundabouts, traffic signal systems, and Intelligent Transportation Systems. Alejandro and his team have completed projects in California, Arizona, Utah, Washington, the Middle East, and South America; and his research has been presented by ASCE, ITE, TRB, and IEEE.

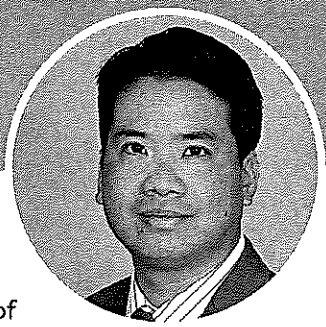
Experience

Tecolote Canyon Trunk Sewer Improvements – **San Diego, CA:** Engineer of Record for the Tecolote Canyon Trunk Sewer Improvements project with the City of San Diego. The project calls for the installation of approximately 3.3 miles of new 15-inch to 30-inch PVC sewer and lining of approximately 1.43 miles of existing 15-inch VCP. The project also includes an estimated 70 manhole rehabilitations, the replacement of 700 feet, 16-inch steel water main, modifications to sewer access paths, and replacement of up to nine stream crossings. The project is located within an easement of a canyon causing various environmental challenges that need to be considered, including the presence of endangered plants and animals. A large portion of the alignment resides in a native vegetation restoration site which resulted in additional challenges. Due to these various challenges, Psomas provided a Preliminary Design Report (PDR) analyzing various alignment alternatives for the sewer while minimizing impacts to the surrounding canyon habitat.

Parker Pump Station Rehabilitation Project – **Coronado, CA:** Principal-in-Charge for preparation of a preliminary design report (PDR) and design the replacement of existing stormwater pump station and sewer pump station. The project required demolition of electrical controls, installation of new controls in an above-ground building, and installation of a new permanent backup generator on a concrete slab with a wall enclosure. The project also included; installation of a new stormwater diverter pump, with a backup pump in the new wet well to pump low flow to the sanitary sewer system; installation of new permanent suction and discharge piping and appurtenances for system bypassing; installation of structures on force mains for maintenance access and new flow meters; temporary bypass pumping to keep existing systems operational during construction; temporary dewatering to install new underground structures and piping; and restoration of surface damages due to construction activities and improvements, including, but not limited to; fences, walls, hardscape, concrete sidewalks, paving, landscaping and irrigation.

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

QA/QC Manager – Psomas



REGISTRATION

2016/CA/Electrical Engineer/21570

2005/CA/Traffic Engineer/2296

2003/CA/Professional Engineer/Civil/64286

CA/Road Safety Professional/552

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

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure/

PROFESSIONAL AFFILIATIONS

American Public Works Association

Institute of Transportation Engineers

EXPERIENCE

With Psomas for 12 years; with other firms for 13 years

Arief Naftali is a licensed civil, traffic, and electrical engineer in California with 25 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.

Experience

Higuera Bridge Over Ballona Creek Replacement – **Culver City, CA:** Project Manager of the engineering project to replace and widen the Higuera Street Bridge which straddles the cities of Culver City and Los Angeles. The relatively short bridge overcrosses Ballona Creek viaduct which features an existing Class I bike trail along the westerly bank of the concrete-lined waterway. Preliminary and final engineering included the approach roadway, traffic signal modification, lighting relocation and modification, right-of-way acquisition, temporary construction easement, and the development of worksite traffic control plans. Extensive coordination was performed with multiple agencies and multiple departments within the City of Los Angeles, County of Los Angeles, US Army Corps of Engineers, and relevant environmental stakeholders.

Crenshaw Boulevard Transportation Improvement Project – **Inglewood, CA:** Traffic Engineering Manager for the approximately 2.95 miles long Inglewood Crenshaw Boulevard Transportation Improvement Project which provides infrastructure improvements, including street improvements to increase safety and mobility and pedestrian improvements, transit accessibility improvements, traffic signal modifications, upgrades, streetscape improvements and landscaping, and other traffic safety enhancements on Crenshaw Boulevard. The project intends to increase connectivity to significant destinations and transit ridership; and improve access to employment centers, educational facilities, healthcare facilities, parks, and recreational centers.

Hyperion Avenue and Glendale Boulevard Intersection Improvements – **Los Angeles, CA:** Project Manager for the intersection improvements funded by LA Metro's Call for Projects. Scope of services involve traffic queuing analysis, on-street parking considerations, design of exclusive turn lanes to alleviate queuing and traffic congestion, Class II Bike lanes, a new crosswalk to facilitate safe pedestrian passage across Glendale Boulevard, traffic signal improvements, and improving the drainage system and infiltration basins.

ARIEF NAFTALI, PE, TE, EE, RSP1, ENV SP (CONTINUED)

Orange County Parking Lots (Strands Beach Parking Lot/Carbon Canyon Regional Park) – **Brea and Dana Point, CA:** Principal-in-Charge for a pavement evaluation and repair recommendations report prepared to provide options on pavement rehabilitation for several types of pavement failure. The scope of the project also included 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. Also, mature tree roots had uplifted portions of the parking lot and sidewalk, so assessment by an arborist and specific pavement removal limits were imperative. After the design was completed, Psomas prepared a carefully sequenced construction phasing plan.

As-Needed Engineering Services for the Long Beach Water Department – **Long Beach, CA:** Traffic Engineer for ongoing professional engineering services for numerous water and sewer design plans and contract documents for Long Beach Water Department. Projects include replacement of more than 55,000 LF of 4- to 12-inch water mains, sewer rehabilitation and replacements, large diameter (30- to 48-inch) valve replacements, and replacement of chemical storage tanks at the LBWD Groundwater Treatment Plant.

City of Los Angeles, 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, utility relocation, 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.

Intersection Widening of Anaheim Boulevard/Ball Road – **Anaheim, CA:** Traffic Engineer for the development of Traffic Control and Handling Plans for the widening of Anaheim Boulevard/Ball Road intersection which was designated as a primary arterial on Orange County's Master Plan of Arterial Highways (MPAH) and the City's Circulation Element. The Traffic Control Plans were developed in close coordination with City staff to accommodate three stages of construction for these busy arterial streets. This project involves temporarily relocating bus stops, maintaining access to abutting businesses, and controlling traffic through the intersection with minimal delay and congestion. Arief was responsible for developing traffic control and handling plans for the project to widen Anaheim Boulevard and Ball Road. Traffic control plans were developed to accommodate three stages of construction for these busy arterial streets. They involved temporary relocation of bus stops, maintenance of access to abutting businesses, and controlling traffic through the intersection with minimal delay and congestion. The plans were developed with close coordination and consultation with City staff.

KIMBERLY ALEXANDER, PE

Master Planning Task Lead – Psomas

REGISTRATION

1997/CA/Professional Engineer/Civil/57087

EDUCATION

1994/MS/Water Resources & Environmental Engineering/University of California, Irvine

1992/BS/Civil Engineering/ University of California, Irvine

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers, Orange County Branch

EXPERIENCE

With Psomas for 29 years; with other firms for 2 years

Kimberly's 31 years of experience includes water resources management, facilities master plans, groundwater modeling, contaminant transport modeling, and hydrologic and hydraulic modeling and analysis. She has developed methods for comparing various management alternatives by combining mathematical modeling and optimization programming and taking into account financial incentive programs and political constraints.

Experience

Lomita 2024 Sewer Master Plan – **Lomita, CA:** Project Manager for preparing the City of Lomita 2024 Sewer System Master Plan. The project includes analyzing and assessing the City's existing sewer infrastructure to address condition and capacity deficiencies and to develop a 10-year Capital Improvement Plan to replace, rehabilitate, and maintain the sewer facilities and infrastructure. Psomas developed a sewer hydraulic model to validate the recommendations made in the Master Plan and can be used by the City for future analysis. Psomas is coordinated with both the CSMD who is responsible for the operation and maintenance of the system, and the City to collect and review all significant data to complete the Sewer Master Plan.

2009 and 2021 Water Master Plan Updates and On-Call Modeling – **City of Brea, CA:** Project Engineer for the preparation of the 2009 Water Master Plan for the City of Brea and its sphere of influence. Responsible for model updates, calibration, and analysis of the entire system using InfoWater modeling software. Evaluated various water supply scenarios, system storage and replenishment, proposed new developments within the service area, fire flow throughout the system, and related deficiencies and recommended improvements. Subsequently performed on-call modeling for proposed developments and City capital water projects. Psomas teamed with Civiltec Engineering, Inc. in 2020 to update the Water Master Plan. Ms. Alexander was responsible for updating the hydraulic model, bringing new improvements from GIS into the model, and calibration. The calibrated model incorporated adjusted demand factors and was utilized to develop recommended capital improvement programs.

On-Call Water Distribution System Modeling – **North Lake Tahoe Public Utilities District, CA:** The existing InfoWater model was updated using current GIS and metered data and then calibrated to extensive flow test data to meet Insurance Services Office (ISO) requirements for replacing hydraulic modeling for hydrant flow tests. On-call modeling has been

KIMBERLY ALEXANDER, PE (CONTINUED)

used to evaluate, size, and prioritize system improvements as part of the ongoing capital improvement program. Most recently, modeling is being conducted to evaluate incorporating/consolidating neighboring water systems into the NTPUD service area for more efficient service to the community.

On-Call Water Distribution System Modeling – **Trabuco Canyon Water District, CA:** Utilize and update the existing potable and recycled water system models to provide expertise during the analysis and implementation of capital improvements, supply to new developments, and to analyze alternatives to improve the overall distribution system performance. Modeled improvements are being implemented to help move water across the District from the primary source of supply to customers at the far end of the service area. The improvements are modeled using InfoWater hydraulic modeling software.

Citywide Sewer Master Plan Update/Sewer System Condition Assessment Report – **Palos Verdes Estates, CA:** Project Manager to update and prepare the Citywide Sewer Master Plan (CSMP), Sewer System Condition Assessment Report (SSCAR), Citywide Sewer System Capital Improvement Program (CSS CIP), and Sewer System Management Plan (SSMP). The overall goal of this project is to provide a comprehensive assessment of the City's sanitary sewer system along with operational and maintenance responsibilities and includes analyzing and assessing the City's existing sewer infrastructure to address condition and capacity deficiencies by developing GIS-based sewer hydraulic model.

VA WLA Improve Water Distribution System - Short Term (691-21-121) – **Los Angeles, CA:** Project Engineer for short-term and long-term system improvements to provide adequate fire flow and a dedicated fire system for improved reliability and the development of veteran housing. The scope includes installation of three new LADWP metered connections with backflow preventers; approximately 18,500 LF of 8- and 12-inch pipeline to replace the existing water pipelines in the North VA Campus for the potable water system; approximately 15,300 LF of 12-inch pipeline for a new separate fire water system in the North VA Campus; and approximately 800 LF of 8-inch pipeline for a new fire water system to supply the Tiny Home Village with two fire hydrants. Kim was responsible for pre-design analysis including hydraulic modeling and system planning. The analysis was used to determine pressure zones, sources of supply, and to provide adequate flow, pressure, and reliability to mission critical facilities.

DANIEL FLORES, PE

Water/Wastewater Engineering Lead – Psomas

REGISTRATION

2011/CA/Professional Engineer/Civil/77600

EDUCATION

2005/BS/Civil Engineering/ Loyola Marymount University, Los Angeles

EXPERIENCE

With Psomas for 1 year; with other firms for 19 years

Dan Flores has 20 years of experience managing and designing water supply, storage, distribution, and treatment projects, and water system master planning, including hydraulic modeling; while understanding goals, establishing effective relationships, and delivering leadership to maximize resources towards accomplishing organizational goals. Managed diverse teams of engineers and technicians, consistently delivering projects on time and within budget.

Experience

Peak Park Well – **Buena Park, CA:** Project Manager for preparation of plans, specifications, and estimates (PS&E), bid phase support services, and construction support services for drilling, equipping and site improvements for a new well located in Peak Park. The project includes a hydrogeological study, geotechnical investigation, WQMP, and CEQA study for a 2,500-GPM, 400-hp vertical turbine well pump, mechanical piping, bypass valves for high pressure relief and pump-to-waste with air gap connection to storm drain, 940 LF of reinforced concrete pipe pump-to-waste drain line, 3,250 LF of 12-inch ductile iron transmission main, 1,200-amp electrical service, transformer, 450kW standby diesel generator with ATS, VFD, 2,080 SF masonry building for well pump, electrical, chemical feed system, generator and SCE meter designed to blend into residential neighborhood, HVAC, plumbing, fencing, and access road. The design also includes consideration for future PFOA and PFAS treatment, booster station, and reservoir.

FF-11 Waterline Replacement & Adobe PRS Replacement – **Yorba Linda, CA:** Project Manager for preparation of plans, specifications and estimates (PS&E), bid phase support services and construction support services for replacement of 2,100 LF of 8-inch and 250 LF 6-inch diameter asbestos cement pipe within Via Del Agua, Via Del Puente, Via Del Cerro, and Via Tomas to improve fire flow for the area. The project included connections to existing water mains and water meters and the replacement of pipeline appurtenances, including valves, hydrants, air/vacuum assemblies, and flush-out assemblies. In addition, the project consisted of replacing the existing Adobe pressure regulating station (PRS) located in Avenida Adobe, including the vault, 8-inch and 4-inch Cla-Vals, and interior piping to meet current Yorba Linda Water District standards.

Bissell Plant Booster Pump Station Upgrade – Bell Gardens, CA: Project Manager for this project, which involved construction of pumping station modifications to replace existing pump station to improve utilization of the groundwater production at the site of the existing Bissell Plant in order to serve residents and properties in the Golden State Water Company Bell-Bell Gardens System. The Bissell Plant consists of two wells (Wells #2 and #3), two reservoirs, a booster pump station comprised of three boosters, and a manganese treatment facility. Original pumping capacity was 2,200 GPM. Two of the three pumps were replaced with higher capacity pumps and motors for a total pumping station capacity of 3,300 GPM. Additionally, based on the hydraulic analysis of the proposed capacity modifications, the discharge header was upsized to 16-inch in order to reduce headless during periods of high demand.

Hampshire Plant Booster Pump Station and Reservoir Improvements – Florence-Graham, CA: Project Manager for this improvement project, which involved construction of pumping station modifications to replace an existing tank wood roof with aluminum and upgrade three booster pumps and motors and electrical equipment at the site of the existing Hampshire Plant Booster Pump Station in order to serve residents and properties in the Golden State Water Company Florence-Graham System. The original booster pump station was comprised of three boosters: Booster A – 550 GPM at 103-foot TDH; Booster B – 1,000 GPM at 170-foot TDH; and Booster C – 1,200 GPM at 170-foot TDH. The boosters were replaced with horizontal split case booster pumps and motors. The pumps and motors were upgraded to 250 GPM/25 hp, 500 GPM/40 hp, and 1000 GPM/50 hp. The booster pump station improvements included replacement of three MCCs, installation of a magnetic-type flow meter, 12-inch DIP discharge and suction piping, valves and appurtenances, a new SCADA system, and demolition of existing sand trap.

Perham Plant Site Improvements – Culver City, CA: Project Manager for this project, which involved construction of pumping station modifications to replace existing pump station at the site of the existing Perham Plant in order to serve residents and properties in the upper zones of the Golden State Water Company Culver City System. The Perham Plant consists of one reservoir and a booster pump station comprised of three electric boosters and one diesel engine booster. The site is a critical supply source for the upper zones and had to remain in service during construction. The site improvements included the demolition of the booster station, site piping, fencing, electrical service, replacement of three electric booster pumps, and installation of new electrical service, MCC, fencing, retaining wall, temporary piping and pump, magnetic-type flow meter, seismic flex couplings on reservoir piping, and site grading.

BENJAMIN HALBACH, PE, ENV SP, PACP, MACP

Water Design Engineering Lead – Psomas

REGISTRATION

2017/CA/Professional Engineer/Civil/87555

EDUCATION

2014/BS/Civil Engineering/ University of California, Irvine

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure

Pipeline Assessment Certification Program/#U-1115-07002009/ NASSCO/U-1115-07002009

Manhole Assessment Certification Program/#U-1115-07002009/ NASSCO/U-1115-07002009

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

Theta Tau Professional Engineering

EXPERIENCE

With Psomas for 11 years

Benjamin Halbach has 11 years of experience in design of water and sewer systems and facilities, including design of new pipelines, pipeline and manhole assessment and rehabilitation, transmission valve replacements, pump stations, and groundwater production wells. His experience includes involvement in all phases of client deliverable creation, including comprehensive plan development in AutoCAD Civil 3D, specification writing, and detailed cost estimates. Ben's design experience also includes site layout plans and rough grading. Benjamin has worked on projects for a variety of clients throughout southern California, including Liberty Utilities, UC Irvine, Irvine Ranch Water District, Elsinore Valley Municipal Water District, Long Beach Water Department, and the cities of Anaheim, Hermosa Beach, and Newport Beach.

Experience

FY24-25 Fire Flow Enhancement at PLYUSD Schools J-2024-29– **Yorba Linda, CA:** Project Manager for the preparation of Construction PS&E Documents for the construction of water pipelines in Mabel Paine Elementary School and Wagner Elementary School. The primary goal is to increase the reliability, capacity, and efficiency of the District's fire response system within the two project areas. The project includes the construction of approximately 370 lineal feet of new 8" waterline to join the existing 6" waterline in the south portion of the Mabel Paine Elementary School field and the existing 12" waterline in Plumosa Drive. The additional connection point in Plumosa Drive will create a loop in the water distribution system that will provide redundancy in future fire response. The project also includes the construction of approximately 540 lineal feet of 10" waterline south of Charles Wagner Elementary School within a private drive. The new pipeline will replace an existing 6" waterline, significantly increasing capacity.

Engineering Design Services for Drilling Two New Wells (Wells 60 and 61) – **Anaheim, CA:** Project Engineer to provide hydrogeological evaluation, design, and resident hydrogeology for two new wells, Wells 60 and 61. These two wells are part of Anaheim's PFAS Groundwater Treatment Plants (GWTP) project that is constructing centralized and wellhead treatment plants to make up for lost groundwater production due to the presence of PFAS chemicals. The key objectives of this project included review existing studies, reports, logs, and plans and provide recommendations on layouts, materials, and equipment required for the well development. Preparation of construction documents that include drawings and cost estimates, and

develop pertinent well construction technical specifications. Assisting in acquiring permits.

South Long Beach Sewer Improvement Project – Long Beach, CA: Project Engineer for this project for 74 sanitary sewer pipelines (20,700 feet) within the South Long Beach service area that were assessed and recommended for replacement or rehabilitation. Psomas reviewed the CCTV and inspection reports for all 74 segments, evaluated the inspection logs and videos. Based upon the review, a matrix with recommendations for each segment was developed and reviewed with LBWD to determine the selected design approach. The final design plans resulted in 59 segments (or about 17,000 LF) to be lined (CIPP), 200 feet to be removed and replaced from manhole to manhole, 23 segments (or 237 lineal feet) of point repair/ pipe replacement and 24 segments (or 106 lineal feet) of segment lining.

Well 28D Equipping Design– Bellflower, CA: Project Engineer for preparation of plans and specifications for new 1,500-GPM, 250-hp vertical turbine well pump equipment, including vertical turbine pump, mechanical piping, bypass valve and air gap connection to storm drain, 600-amp electrical service, 1,120 SF masonry pump, electrical, chemical feed, and SCE meter building designed to blend into residential neighborhood, sodium hypochlorite on-site generation system, HVAC, plumbing, and fencing.

Gardena Boulevard Area Main Replacements, Phases I, II and III –Gardena and Los Angeles, CA: Staff Engineer for preparation of plans and specifications for approximately 8,600 LF of 8- and 12-inch domestic water pipeline replacement. Project included permitting and coordination with Caltrans and Union Pacific Railroad.

Cerritos Avenue from Euclid Street to Alley East of 9th Street Sewer Siphon Removal – Anaheim, CA: Design Engineer for this project that involved analyzing the City's sewer system to determine the feasibility of the removal of two existing sewer siphons. The first siphon crossed the Orange County Public Works channel, which is a double 8-foot-wide by 8-foot-high reinforced concrete box in the intersection of Cerritos Avenue and 9th Street. The second siphon was also near this intersection and crossed an existing 48-inch storm drain pipe. The project included the replacement of 500 feet of existing sewers in the alley east of 9th Street as part of the recommendations of the Combined Central Anaheim Area Master Plan of Sanitary Sewers prepared in September 2006. In addition, a hydraulic modeling analysis of potential alternative alignments and flow routing scenarios was performed, along with the preparation of a preliminary design report, design review workshop, and preparation of construction plans and specifications.

Well 12C Design – Compton, CA: Design Engineer for preparation of plans and specifications for new 1,500-GPM, 150-hp vertical turbine well pump equipment, including vertical turbine pump, mechanical piping, bypass valve and air gap connection to storm drain, 400-amp electrical service, 1,008 SF masonry pump, electrical, chemical feed, and SCE meter building designed to blend into residential neighborhood, sodium hypochlorite on-site generation system, HVAC, plumbing, and fencing.

CARRIE DAVIS, PE

General Civil Lead – Psomas

REGISTRATION

2001/CA/Professional Engineer/Civil/61840

EDUCATION

1997/BS/Civil Engineering/ California State University, Sacramento

PROFESSIONAL AFFILIATIONS

Women's Transportation Seminar

EXPERIENCE

With Psomas for 4 years; with other firms for 24 years

Carrie Davis has 28 years of experience successfully managing and designing dozens of multi-use trail, local arterial highway, and interchange improvement projects. Her expertise ranges from preparing preliminary studies to developing the final construction PS&E. She has a strong understanding of Caltrans policies and procedures, environmental planning and permitting, and those of county and local agencies.

Experience

Oso Creek Multi-Use Trail Preliminary Design and PS&E – **Laguna Niguel, CA:** Project Manager for design plans to extend the existing Oso Creek Trail to the south by approximately 800 feet and to construct a new pre-fabricated pedestrian bridge over Oso Creek. Services included field topographic survey, environmental review, civil and structural design, signage, and water quality documentation and design. This project provides a vital link between the existing Oso Creek Trail and the City of Laguna Niguel's planned extension to the south as it provides a crossing from the east side of Oso Creek to the west side. The majority of the project was within County-owned right-of-way and, therefore, required considerable coordination and processing to obtain an encroachment permit to construct the improvements.

City of Laguna Niguel, Crown Valley Parkway Westbound Widening – **Laguna Niguel, CA:** Project Manager for the widening and pavement rehabilitation strategies, and right-of-way appraisal and acquisition services for the Crown Valley Westbound Widening from I-5 to Cabot Road. The project includes pavement and bridge widening, construction of a new raised median, significant utility conflict mitigation, and significant right-of-way acquisition. The final design included adding one westbound through lane, widening the Forbes Road intersection to provide additional turn lanes, widening two bridges under the jurisdiction of Metrolink Railroad/OCTA and Orange County Flood Control, and pavement rehabilitation of the entire roadway between the I-5 southbound off-ramp and Cabot Road.

West Santa Ana Branch Bikeway Phase 2 – **Paramount, CA:** Staff Team for providing project management, conceptual design, and preparation of the construction drawings and technical specifications for the West Santa Ana Branch Bikeway Phase 2 which spans from Sommerset to Paramount Boulevard, a distance of approximately one mile. Scope of services involved extensive coordination and collaboration with private and public agencies which included LADWP, Central Basin Water, Chevron/World Energy, and a private nursery owner. Multi-modal facility features a 15-foot-wide AC trail with separate delineation for a two-way cycling, pedestrian path, and shoulders with fencing, lighting, and drought tolerant landscaping.

CARRIE DAVIS, PE (CONTINUED)

Boyd Elementary School, Safe Routes to School – Rialto, CA: Project Manager for providing engineering design services to implement Safe Routes to School (SRTS) improvements around Boyd Elementary School, located on the northeast corner of Sycamore Avenue and Merrill Avenue. These improvements include new sidewalks and ADA-compliant driveways, school signage in multiple locations, a new traffic signal, and water quality infiltration trenches.

City of San Juan Capistrano, I-5/La Novia Interchange PEER & PS&E – Orange County, 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. Michael Baker prepared detailed profile and contour grading plans 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. Ms. Davis also led PDT and other meetings with the client and Caltrans.

Irvine Great Park Infrastructure Improvements PS&E – Irvine, CA: Project Manager for completing multiple roadway improvement projects in support of the onsite development of the Irvine Great Park. Projects included widening Barranca Parkway (Ada to Alton Parkway), new Marine Way (Barranca Parkway to Alton Parkway), and Realignment and Reconstruction of Marine Way (SR-133 to Skyhawk). Each of these projects were standalone construction contracts. Carrie was responsible for coordinating the project delivery team, private development projects abutting the projects, and outside agencies having jurisdiction over portions of the roadway improvements (Caltrans District 12 and Orange County Flood District). Improvements included roadway widening, construction of new roadways, pavement rehabilitation, grading, drainage and water quality, signing and striping, traffic signals, and new public utilities.

Culver Drive Widening and Realignment Project Report and Environmental Document – Irvine, CA: Project Engineer responsible for the preliminary design and coordination with the environmental team to widen and realign Culver Drive from Campus Drive to Shady Canyon Drive. The project included reconstruction of the existing two-lane roadway into a four-lane roadway with raised landscaped medians. The project included federal funding and therefore followed CEQA and NEPA requirements. Significant coordination was required with Caltrans and FHWA to ensure the preliminary design was consistent with the environmental document. This was especially true with the soundwalls needed to mitigate noise levels. A new soundwall replaced the existing property walls for each of the 96 adjacent property owners.

The Irvine Company, I-405/Sand Canyon Avenue Interchange PSR-PR & PS&E – Irvine, CA: As Design Engineer, was responsible for preparation of a combined PSR-PR and final PS&E for this project, which included a slip-ramp connection to the existing SB I-405 loop entrance ramp and loop ramp widening, a new NB I-405 loop entrance ramp, NB and SB offramp widening, and signalization of NB and SB I-405 ramp intersections. The scope of work included development of roadway layout, profile, superelevation, grading, drainage, signing, striping, traffic signal, stage construction, ramp metering, and communication systems.

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

Civil Engineer – Psomas

REGISTRATION

2007/CA/Professional Engineer/Civil/71513

EDUCATION

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

CERTIFICATIONS

Qualified SWPPP Developer and Practitioner/California Stormwater Quality Association/20678

LEED AP BD+C/U.S. Green Building Council/10215875-AP-BD+C

LEED-ND/U.S. Green Building Council/10215875-AP-ND

Envision Sustainability Professional/Institute for Sustainable Infrastructure/

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

Harbor Association of Industry and Commerce

EXPERIENCE

With Psomas for 17 years; with other firms for 9 years

Ion Cretu has more than 25 years of civil engineering experience. He has experience in the design of on-site and off-site improvements for projects. He provides civil engineering on design of multi-building campuses. In addition to design, Ion also provides coordination for production and City of Los Angeles processing.

Experience

Rory M. Shaw Wetlands Park (formerly Strathern Pit Multiuse) Project – **Sun Valley, CA:** Technical Manager for design services that will convert an existing 46 acre gravel pit and landfill to a multipurpose facility that provides flood protection, treatment of stormwater, groundwater injection, an active park, and a sustainability demonstration site. Stormwater runoff enters the site and discharges to a 400 acre-foot detention pond. Once at the detention pond, pump stations lift the raw stormwater to 8 acres worth of wetlands flowing in series. At this point, the treated stormwater is pumped to the adjacent Sun Valley Park for injection into the groundwater aquifer. Approximately 20+ acres of active park will be provided along with interpretative signage. Upon completion, the project will be used as a sustainability demonstration site.

Los Angeles River Valley Bikeway and Greenway Design – **Los Angeles, CA:** Technical Manager for the design of the final 12 miles of the Valley portion of the Los Angeles River Greenway for the City of Los Angeles. Once completed, this Envision Platinum greenway project will make it possible for Angelenos to walk and bike from Canoga Park to Elysian Valley. The project will complete the Los Angeles River Bike Path from Vanalden Avenue in the West Valley to Forest Lawn Drive/Zoo Drive near Griffith Park.

Crenshaw Boulevard Transportation Improvement Project – **Inglewood, CA:** Staff Team for the approximately 2.95 miles long Inglewood Crenshaw Boulevard Transportation Improvement Project which provides infrastructure improvements, including street improvements to increase safety and mobility and pedestrian improvements, transit accessibility improvements, traffic signal modifications, upgrades, streetscape improvements and landscaping, and other traffic safety enhancements on Crenshaw Boulevard. The project intends to increase connectivity to significant destinations and transit ridership; and improve access to employment centers, educational facilities, healthcare facilities, parks, and recreational centers.

City of Los Angeles, Broadway-Manchester Active Transportation Equity Project (TOS 701) – **Los Angeles, CA:** Program Manager for this project that will transform West Manchester Avenue and South Broadway into corridors of open space that are safer, more mobile, and sustainable. Design includes curb extensions, ADA compliant ramps, pedestrian lighting, street trees, street furniture, sidewalk, and Measure W stormwater quality improvements. Psomas is also in the process of providing a Technology Demonstration Objective study to help StreetsLA evaluate potentially efficient, and accurate, methods of topographic data collection. This includes comparison of evolving technologies, such as point cloud derived products, to conventional topographic survey mapping.

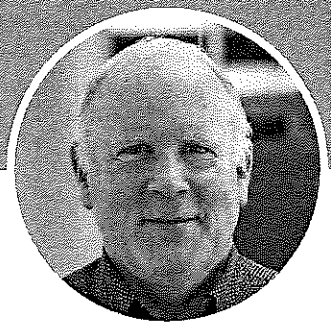
City of Los Angeles, Eastern Avenue Multi-Modal Transportation Improvement Project – **Los Angeles, CA:** Staff Team for the project approval and environmental document phase to re-envision 1.5 miles of Eastern Avenue as a multimodal corridor that is safe and accessible for pedestrian crossing, biking, mass transit, and general driving to employment, education, health care, parks, and recreational centers. The project involves a robust community engagement process. The community engagement process consisted of project data updates via website, flyer creation and distribution, door to door business outreach, surveys, digital ads, email communications, two community meetings, and six focused community meetings. New project features include new signalized intersections, lighting upgrades, pedestrian safety crossing improvements, bicycle infrastructure, landscape elements, and upgrades to transit stops.

Orange County Parking Lots (Strands Beach Parking Lot/Carbon Canyon Regional Park) – **Brea and Dana Point, CA:** Project Manager for a pavement evaluation and repair recommendations report prepared to provide options on pavement rehabilitation for several types of pavement failure. The scope of the project also included 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. Also, mature tree roots had uplifted portions of the parking lot and sidewalk, so assessment by an arborist and specific pavement removal limits were imperative. After the design was completed, Psomas prepared a carefully sequenced construction phasing plan.

West Santa Ana Branch Bikeway Phase 2 – **Paramount, CA:** Staff Team for providing project management, conceptual design, and preparation of the construction drawings and technical specifications for the West Santa Ana Branch Bikeway Phase 2 which spans from Sommerset to Paramount Boulevard, a distance of approximately one mile. Scope of services involved extensive coordination and collaboration with private and public agencies which included LADWP, Central Basin Water, Chevron/World Energy, and a private nursery owner. Multi-modal facility features a 15-foot-wide AC trail with separate delineation for a two-way cycling, pedestrian path, and shoulders with fencing, lighting, and drought tolerant landscaping.

STEVEN PRICE, PLS

Survey Lead - Psomas



REGISTRATION

2019/CA/Professional Land Surveyor/9541

2000/WA/Professional Land Surveyor/36808

EDUCATION

1992/BS/Surveying/ Oregon Institute of Technology, Klamath Falls, OR

1989/AA/Surveying/ Peninsula College, Port Angeles, WA

EXPERIENCE

With Psomas for 8 years; with other firms for 24 years

Steve Price has 32 years of experience providing surveying and mapping services for public agencies. He has been responsible for generating boundary, ALTA, topographical and construction surveys; scheduling field crew; and preparing work proposals and estimates, property calculations, legal descriptions, Records of Survey, and plats.

Experience

Veterans Affairs Greater Los Angeles, North Campus, Install Dedicated Fire Suppression Water Distribution System and Replace Potable Water Lines – **Los Angeles, CA:** Project Surveyor for preparation of construction plans, specifications, cost estimates, and construction period services for construction of separate fire water and potable water systems. Scope includes, easement legal descriptions and topographic surveying for the installation of three new LADWP metered connections with backflow preventers; approximately 18,500 LF of 8- and 12-inch pipeline to replace the existing water pipelines in the North VA Campus for the potable water system; approximately 15,300 LF of 12-inch pipeline for a new separate fire water system in the North VA Campus; and approximately 800 LF of 8-inch pipeline for a new fire water system to supply the Tiny Home Village with two fire hydrants.

Well 28D Equipping Design – **Bellflower, CA:** Project Surveyor for design topographic surveying and boundary survey for the preparation of plans and specifications for new 1,500-GPM, 250-hp vertical turbine well pump equipment, including vertical turbine pump, mechanical piping, bypass valve and air gap connection to storm drain, 600-amp electrical service, 1,120 SF masonry pump, electrical, chemical feed, and SCE meter building designed to blend into residential neighborhood, sodium hypochlorite on-site generation system, HVAC, plumbing, and fencing.

BNSF Waterline Crossing Relocation (Veterans Village) – **Yorba Linda, CA:** Project Surveyor for this project that involves two pipelines that cross BNSF right-of-way on the west end of the service area, one at Richfield Road and the other at Lakeview Avenue. Psomas is providing the design, bidding support, and construction support services for the project. The proposed waterline involves construction of a pipeline beneath the railroad tracks by pipe jacking of a steel casing and installation of a carrier pipe. The proposed waterline diameter and casing size was determined by performing hydraulic modeling of the water system in this area.

CURTIS BIBOLET, SR/WA, R/W-AMC

Utility Coordination Manager – Monument

EDUCATION

BS/Communication Studies/University of Idaho

PROFESSIONAL AFFILIATIONS

IRWA/International Right-of-Way Association

WTS/Women's Transportation Seminar

EXPERIENCE

Over 15 years

As a certified right of way professional, Curtis possesses an abundance of real estate transaction, utility relocation, and property management expertise. He has over 15 years of experience managing best practices, regulatory procedures, and logistics for utility relocation and property management projects on behalf of public agencies. With his friendly demeanor, Curtis provides oversight and quality review for Monument agents. He is focused on maximizing revenue, clearing encroachments, and mitigating utility conflicts for his clients.

Experience

Santa Ana River Trail (SART) Phase 2 – **Corona, CA:** SART will cover a 12.8-mile section along the Santa Ana River Trail connecting Orange, Riverside and San Bernardino Counties. This Phase is the most westerly portion of the project adjacent to Green River Golf Course and the project will have to cross the rail. The utility companies within the project location are ATT, City of Corona, Level 3 Communication, Metropolitan Water District, Santa Ana Watershed, Southern California Edison, Southern California Gas, and Sprint. Curtis is the Utility Coordination Manager which includes the relocation of electric, cable, gas, and waterline facilities.

West Valley Connector Bus Rapid Transit Project – **San Bernardino, CA:** This is a 35 mile long street widening to accommodate a bus travel lane including 60 station platforms and 33 intersection improvements. Curtis is the Utility Coordination Manager responsible for preparing a Utility Matrix to identify utility owners, descriptions of facilities, dispositions (protect, relocate, abandon), and initial liability determinations. He also drafted and issued the Relocation Claim Letters and Notice to Owner to relocate to coordinate with utility companies for adjustment and relocation of interfering utilities to make way for the project.

Crown Valley Parkway – **Laguna Niguel, CA:** This project involves the widening of Crown Valley Parkway in Laguna Niguel. The current street is 4 lanes each way and is impacted with multiple turn lanes, two intersections and a freeway entrance and exit. Significant traffic and unsafe bike access have caused this section of the road to be dangerous. The Project will widen each side of Crown Valley and impact multiple businesses including a combination car wash and gas station, medical facility, railroad access and possibly a Costco parking lot.

HERNAN MONTOYA, SE, PE

Architectural/Structural Engineering - ARCON

REGISTRATION

1986/CA/Structural Engineer/S2819

1983/CA/Professional Engineer/Civil/36919

EDUCATION

1983/MS/Civil Engineering – Major: Structures/ California State University, Long Beach

1977/BS/Civil Engineering – Major: Structures/ Universidad del Valle, Cali, Colombia

EXPERIENCE

With Arcon Structural Engineers for 26 years; with other firms for 20 years

Hernan Montoya brings 46 years of experience as a structural engineer designing a wide variety of structural projects, in charge of engineering, quality assurance, coordination with clients, other consultants and building officials, and field support for various commercial, residential, industrial, civil and public works projects. Private sector experience includes the structural design of hotels, restaurants, apartment complexes, senior housing, warehouses, office complexes, schools, mining plant equipment supports and structures. Municipal, local agency, and public sector experience include the design of bridges, sewage lift and water pump stations, earth retaining structures, channels, culverts, towers for wireless communications, refuse transfer stations and landfill gas to energy project structures.

Experience

Well No. 29 Rehabilitation – **City of Santa Ana, CA:** Structural and architectural design of a concrete block wall and steel framed roof building housing the pump room, electrical room, and SCE room for City of Santa Ana Public Works Agency as a sub-consultant to Psomas. The scope of work included preparation of 3-D architectural renderings and modifications to existing tennis court fencing.

Well No. 59 Building Facilities – **City of Anaheim, CA:** Structural design of a concrete block wall and steel framed roof building housing the storage room, chemical room, and electrical room, as well as a roll-away pump room for the City of Anaheim Public Utilities Department as a subconsultant to Psomas.

Coto de Caza Emergency Storage Basin – **Coto de Caza, CA:** Structural design of a 49'6"x42'-6"x25'-0" deep underground triple chamber concrete vault with limited space for shoring and high-water table, for Santa Margarita Water district as a sub-consultant to Psomas.

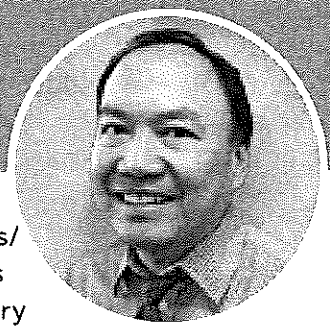
SC-6 Flow Control Facility and PA-2 Lift Station and SC-6 Turnout/FCF – **Rancho Mission Viejo, CA:** Structural design of Phases I & II building facility and cast-in-place underground vaults for Santa Margarita Water District as a subconsultant to Psomas.

Amethyst Pump Station – **City of Victorville, CA:** Structural design of 88'x34' concrete block wall and concrete deck roof pump station for the City of Victorville as subconsultant.

City of Ontario Well Roof Replacements – **Ontario, CA:** Structural design of removable wall and roof replacements for six well sites throughout the City of Ontario, as a subconsultant.

LONG PHAM, PE

Electrical and Controls - SPEC Services, Inc.



REGISTRATION

2003/CA/ Professional Engineer/ Electrical/16621

2005/CA/Professional Engineer/Control Systems/7346

2016/HI/Professional Engineer/General Engineering/PE-17106

2004/TX/Electrical/ Computer/93378

EDUCATION

1991/MS/Electrical Engineering/California State University, Long Beach, CA

1989/BS/Electrical Engineering/California State University, Long Beach, CA

SKILLS

Advanced PLC Programming, Rockwell Automation

Advanced HMI Programming, Wonderware

Safety Instrumented System (SIS), ISA

Project Management, PSMJ Bootcamp

Principals, PSMJ Bootcamp

ETAP, Electrical System Analysis (OTI)Title of Training

EXPERIENCE

With SPEC Services for 13 years; with other firms for 21 years

Long Pham has 34 years of experience in control systems/ electrical engineering and engineering management. His experience includes working in the petrochemical industry for ExxonMobil, Chevron, ConocoPhillips, Phillips 66, Tesoro, BP, Rio Tinto Minerals, Pacific Pipeline Company, Calpine, INEOS Polypropylene Plant, and Venoco, and for utilities and municipal agencies. Long's experience also includes engineering service estimating, planning, and conceptual and detailed design of projects for refineries, petroleum terminals, pumps stations, and gas compressor stations.

In addition to leading a number of projects, Long is the Electrical & Control Systems Department Manager for SPEC, responsible for overseeing a group of 16 engineers and designers. His responsibilities include technical quality control for development and staffing of the department, engineering standards and procedures, technical performance, quality assurance and control, and successful execution of projects within budget and schedule requirements.

Experience

Eastern Municipal Water District Pala Lift Station – Perris, CA: Project Electrical Engineer providing preparation of electrical and control system preliminary and final engineering/design for the electrification of existing gas engine driven vertical turbine pump at the Sanderson Lift Station. Scope of work included coordination, power, grounding, motor and control schematics, and instrumentation of a new Variable Frequency Drive and motor installation in lieu of the engine. SPEC utilized their licensed civil engineers for foundation modifications and mechanical engineers provided input into the physical pump modifications.

Eastern Municipal Water District El Centro Lift Station Pipe Replacement Project – Perris, CA: Project Electrical Engineer providing electrical and control system engineering/design support for El Centro Lift Station Pipe Replacement Project. This project replaces discharge piping of the existing wet well pumps. To keep the lift station in operation during construction, temporary electric pumps will be installed in the bypass manhole to divert water to the lift station bypass Tee connection. SPEC will develop electrical documents and drawings to complete the bid package so that EMWD can bid out and select a contractor.

Eastern Municipal Water District PVRWRF Main Entrance Gate Modification Project – Perris, CA: Project Electrical Engineer providing civil/structural, electrical, and control system preliminary and final engineering/design for the Main Entrance Gate Modification project at Perris Valley Regional Water Reclamation Facility (PVRWRF). This project is to widen the driveway with an additional three feet on both sides, replace the existing gate, and install new split face block walls and signage at the main entrance.

LONG PHAM, PE (CONTINUED)

Eastern Municipal Water District Sanderson Lift Station Pump Electrification Project – Perris, CA: Project Electrical Engineer providing preparation of electrical and control system preliminary and final engineering/design for the electrification of existing gas engine driven vertical turbine pump at the Sanderson Lift Station. Scope of work included coordination, power, grounding, motor and control schematics, and instrumentation of a new Variable Frequency Drive and motor installation in lieu of the engine. SPEC utilized their licensed civil engineers for foundation modifications and mechanical engineers provided input into the physical pump modifications.

Valley County Water District Arrow Lante Water Treatment Plant – Baldwin Park, CA: Lead Electrical/Control Systems Engineer for design of a control and integration system. The treatment facility includes the following subsystems: extraction wells, air stripping modules, VOC adsorption system, air stripper ISEP modules, low pressure UV modules, and pump stations. The project also included a SCADA system to allow the operator to control and monitor the entire plant from the control room. The control systems are based on the Ethernet network to communicate with various PLCs of different manufacturers and models. The projects included a main treatment plant and two remote pump stations which use wireless radio communication.

Valley County Water District Five Remote Pump Stations – Baldwin Park, CA: Lead Control Systems/Electrical Engineer providing design and engineering for SCADA system and upgrade control systems for each pump station. The pump stations, which are several miles apart, communicate to the main control room via a wireless radio network, allowing an operator to control the whole system.

Orange County Sanitation District Plant 1 Trickling Filter Replacement – Fountain Valley, CA: Principal Electrical Engineer for the electrical and controls component. The project included preliminary development of design memoranda to set the scope of work, followed by detailed design of new power distribution and standby systems and automation, including controls interface with the existing plant SCADA systems. A new pump station with VFD pumps, trickling filters, under-drain system ventilation blowers and trickling filter arms were also included in the project. The system is tied into the plant's fiber-optic SCADA network for complete unattended automation.

Orange County Sanitation District – Plant 1, New Secondary Activated Sludge Facility – Fountain Valley, CA: Principal Control Systems Engineer for the $189 million Plant 1, New Secondary Activated Sludge Facility that included a new operations building and refurbishment of existing power buildings. New 480V MCCs and switchgear and 15kV electrical power distribution and SCADA control systems integrated with the existing plant support a completely new facility to bring the District to full secondary treatment.

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:

SEE ATTACHED EXHIBIT B

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"

Hourly Rate Schedule
2025 to 2028

CLASSIFICATION	HOURLY RATE
Engineering	
Contract Manager/Project Manager	$315
Senior Project Manager/QA/QC Manager	$295
Project Manager II	$275
Project Manager I	$265
Assistant Project Manager	$245
Senior Project Engineer	$225
Senior Traffic Engineer/Project Engineer II	$215
Project Engineer I /Traffic Engineer/Senior Project Designer	$205
Civil Engineer/Project Designer	$195
Civil Engineering Designer III	$175
Civil Engineering Designer II/Sr. CAD Designer	$165
Civil Engineering Designer I	$155
CAD Designer	$140
Project Assistant/Administration	$150
Survey	
Contract Manager/Project Manager	$245
Construction Survey Manager	$235
Project Surveyor III	$205
Project Surveyor II	$195
Project Surveyor I	$185
Office Surveyor III	$165
Office Surveyor II	$155
Office Surveyor I	$145
Staff Surveyor II	$135
Staff Surveyor I	$125
Photo Compiler	$165
Land Surveyor - Prevailing Wage Party Chief	$200
Land Surveyor - Prevailing Wage Chainman	$190
Project Assistant/Administration	$145
Subsurface Utility Engineering (SUE)	
2 Person CCTV Crew (NASSCO)	$430
2 Person Utility Detection Crew	$350
2 Person CCTV Crew (non-NASSCO)	$350
SUE Project Manager	$260
1 Person Utility Detection Crew	$235
SUE Coordinator	$185

REIMBURSABLES

Mileage at current IRS allowable rate and parking expenses incurred by office employees are charged at cost. Prints, plots, messenger service, subsistence, air travel, outside subconsultants and other direct expenses will be charged at cost plus 10 percent.

MONUMENT
2025 HOURLY RATE SCHEDULE

Right of Way Management & Implementation	
Principal	$310.00 per hour
Project Director	$250.00 per hour
Program Manager	$230.00 per hour
Senior Project Manager / Sr. Utility Project Manager	$220.00 per hour
ROW Project Manager 2 / Utility Project Manager 2	$200.00 per hour
ROW Project Manager 1 / Utility Project Manager 1	$170.00 per hour
Utility Coordinator	$140.00 per hour
Senior Acquisition Agent / Senior Relocation Agent / Senior Analyst	$150.00 per hour
Acquisition Agent 2 / Relocation Agent 2 / Property Manager	$130.00 per hour
Acquisition Agent 1/ Relocation Agent 1	$120.00 per hour
Senior Project Coordinator	$135.00 per hour
Project Coordinator 2	$120.00 per hour
Project Coordinator 1	$110.00 per hour
Senior Project Analyst	$150.00 per hour
Project Analyst 2	$135.00 per hour
Project Analyst 1	$110.00 per hour

Researcher	$95.00 per hour
Project Support / Administrative	
Professional Staff	$90.00 per hour
Project Controller 2	$105.00 per hour
Project Controller 1	$80.00 per hour
Project Support Specialist 3	$100.00 per hour
Project Support Specialist 2	$90.00 per hour
Project Support Specialist 1	$80.00 per hour

The above hourly rates are exclusive of local travel/mileage, photocopying, first class postage and overnight courier service. These expenses including out-of-pocket expenses such as pre-approved travel and lodging, outside exhibit preparation, requested overnight courier or registered and/or certified mail (return receipt requested) charges, and specialty reproduction (unless otherwise specified) are in addition to the contract amount and will be charged at cost plus ten percent (+10%) for administration, coordination, and handling. Subcontracted services, other than those listed above, will be invoiced at cost plus ten percent (+10%).

In the event Monument is required to perform any act in relation to litigation arising out of any project with the Client (for example, expert consulting, responding to a complaint, or proceeding with discovery and trial), such services are not part of this contract, nor are they part of our normal fees. If required, these types of services will be invoiced at two times the regular hourly rates.

In the event this work outlined in the proposed scope extends beyond 2025, the hourly rates and any remaining amount in the contract shall be adjusted upwardly by five percent (5%) per annum, compounded annually, on the anniversary date of this proposal.

Written communication services in other languages would be an additional cost and would be billed separately based on quoted hourly rates by independent translation services. Verbal communication in Spanish, if necessary, will be included at no additional charge.

Monument will submit monthly invoices for the professional and trade services rendered based on the hourly rate schedule provided above. The client shall promptly pay the uncontested amount due within no more than thirty (30) days after receipt of invoice. Upon completion of services, the remaining unbilled amount of the project balance shall become immediately due and payable.

Sub-Consultant pass through costs/budgets are subject to change based on the timing of the work performed. The Fees provided are based on the best information available at the time of the proposal.

ARCON
STRUCTURAL ENGINEERS, INC.

2025 to 2027 STANDARD SCHEDULE OF FEES

Principal Structural Engineer:	$ 250.00 per hour
Associated Structural/Bridge Engineer:	$ 210.00 per hour
Project Architect:	$ 210.00 per hour
Project Engineer:	$ 200.00 per hour
Design Engineer:	$ 163.00 per hour
Engineering Technician:	$ 136.00 per hour
CAD Designer/Drafter:	$ 136.00 per hour
Clerical:	$ 70.00 per hour

Reimbursable Expenses:

Plotting:		$ 15.00 per vellum/bond
		$ 30.00 per mylar
Large Format Printing:		$ 3.00 each (additional bond prints)
Photocopies:		$ 0.10 each
Other reproduction & Courier:		At cost
Travel:	Private Vehicle Mileage:	$ 0.75 per mile
	Per Diem:	$ 80.00 per day
	Other Travel Reimbursables:	At cost

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714.963.8077 Fax 714.963.0364
www.specservices.com

RATE SCHEDULE

LABOR RATES:

Design & Document Production

Personnel Classification	Hourly Billing Rate	Personnel Classification	Hourly Billing Rate
Design Drafter 1	$84.00	Designer 4	$171.00
Design Drafter 2	$98.00	Designer 5	$186.00
Designer 1	$116.00	Designer 6	$198.00
Designer 2	$133.00	Project Administrative Assistant	$98.00
Designer 3	$153.00	Project Accountant	$108.00

Engineering & Project Management

Personnel Classification	Hourly Billing Rate	Personnel Classification	Hourly Billing Rate
Engineer 1	$136.00	Procurement Agent 1	$108.00
Engineer 2	$167.00	Procurement Agent 2	$141.00
Engineer 3	$194.00	Procurement Agent 3	$175.00
Engineer 4	$222.00	Project Coordinator	$168.00
Engineer 5	$248.00	Project Controls Specialist 1	$136.00
Project Manager 1	$194.00	Project Controls Specialist 2	$167.00
Project Manager 2	$222.00	Project Controls Specialist 3	$194.00
Project Manager 3	$248.00	Project Controls Specialist 4	$218.00

Survey & Field Services

Personnel Classification	Hourly Billing Rate	Personnel Classification	Hourly Billing Rate
Survey Technician	$110.00	1-Person Survey Crew*	$182.00
Party Chief	$157.00	2-Person Survey Crew*	$292.00
Survey Manager	$218.00	3-Person Survey Crew*	$402.00

*Includes survey equipment rate

A 30% premium on labor rates will be charged on labor for client authorized overtime, emergency or priority work. This premium will not be charged without prior approval of the client.

EQUIPMENT RATES:

Survey Equipment	$ 25.00 per hour
Laser Scanning Equipment	$150.00 per hour
Drone Equipment	$300.00 per day
In-House Aerial Imagery	$500.00 Standard Access Fee
Computer Assisted Design/Drafting System	$ 10.00 per hour
Caesar Piping Stress Analysis System	$ 10.00 per hour
PLC Programming Software	$ 10.00 per hour
SYNERGI Stoner Pipeline Hydraulic Simulation	$ 30.00 per hour
AspenTech Suite	$ 30.00 per hour
ETAP & SKM Electrical Analysis Software	$ 10.00 per hour
ArcGIS Mapping Software	$ 20.00 per hour
Pipeflo Hydraulic Simulation Software	$ 30.00 per hour
ArcFlash Label Software	$ 10.00 per label
Procore Software	as quoted per project

IN-HOUSE REPRODUCTION AND PLOTTING:

	Photo Copies		B&W Plots	Color Plots	
Size	B&W	Color	Bond	Bond	High Gloss
8.5"x11"	$ 0.08	$ 0.70	$ 0.30	$ 4.00	$ 8.00
11"x17"	$ 0.08	$ 1.50	$ 0.60	$ 5.00	$ 10.00
24"x36"			$ 3.50	$ 10.00	$ 20.00
36"x48"			$ 6.50	$ 20.00	$ 35.00

OTHER EXPENSES:

Automobile Expenses: Per Current IRS Rates

All other direct project expenses, including but not limited to travel and living expenses, postage and freight, subcontract services and materials, will be charged at cost plus 10%.

AGENCY PERSONNEL:

Staffing agency personnel will be billed the same as direct employees in accordance with the Labor Rates contained herein.

PAYMENT TERMS:

Monthly invoices, net 30 days

ANNUAL RATE ADJUSTMENTS:

Labor Rates shall be adjusted on January 1st each year based upon the percentage change in the Employment Cost Index (ECI): Series Title: Total compensation for Private industry workers in West, 12-month percent change [Series:CIU2010000000240A-non seasonally adjusted].

PSOMAS

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