

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

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

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

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

CONSULTANT has been selected to perform these services,

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

1. SCOPE OF SERVICES

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

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

2. CITY STAFF ASSISTANCE

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

3. TERM; TIME OF PERFORMANCE

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

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

4. COMPENSATION

In consideration of the performance of the services described herein, CITY agrees to pay CONSULTANT on a time and materials basis at the rates specified in **Exhibit "B,"** which is attached hereto and incorporated by reference into this Agreement, a fee, including all costs and expenses, not to exceed Two Hundred Fifty Thousand Dollars (\$250,000.00).

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 Two Hundred Fifty Thousand Dollars (\$250,000.00) per occurrence and in the aggregate. The above-mentioned insurance shall not contain a self-insured retention without the express written consent of CITY; however an

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

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

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

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

10. CERTIFICATE OF INSURANCE

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

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

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

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

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

11. INDEPENDENT CONTRACTOR

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

12. TERMINATION OF AGREEMENT

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

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

13. ASSIGNMENT AND DELEGATION

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

14. COPYRIGHTS/PATENTS

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

15. CITY EMPLOYEES AND OFFICIALS

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

16. NOTICES

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

TO CITY:

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

TO CONSULTANT:

Anchor QEA, LLC
ATTN: Steve Cappellino
301 East Ocean Blvd., Suite 1860
Long Beach, CA 90802

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.

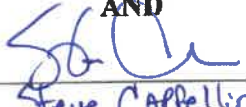
This Agreement shall expire when terminated as provided herein.

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

CONSULTANT,
ANCHOR QEA, LLC

By: 
print name

ITS: (circle one) Chairman/President/Vice President
Shareholder, Principal Engineer
AND

By: 
print name

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

Shareholder, Regional Manager

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

Mayor

City Clerk

INITIATED AND APPROVED:

Director of Public Works

REVIEWED AND APPROVED:

City Manager

APPROVED AS TO FORM:

City Attorney 

EXHIBIT "A"

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

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

B. CONSULTANT'S DUTIES AND RESPONSIBILITIES:

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

C. CITY'S DUTIES AND RESPONSIBILITIES:

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

D. WORK PROGRAM/PROJECT SCHEDULE:

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



Photo by Jonathan Cook-Fisher

April 2021

CITY OF HUNTINGTON BEACH PUBLIC WORKS DEPARTMENT



On-Call Ocean Engineering and Professional Consulting Services

Submitted by Anchor QEA

April 8, 2021

City of Huntington Beach, Fiscal Services Division

Attn: Jennifer Anderson

2000 Main Street

Huntington Beach, California 92648

Re: Statement of Qualifications On-Call Ocean Engineering and Professional Consulting Services

Dear Ms. Anderson:

On behalf of Anchor QEA, LLC, we are pleased to submit to the City of Huntington Beach (City) the attached Statement of Qualifications (SOQ) for on-call ocean engineering and professional consulting services.

Anchor QEA has been working with the City's Public Works Department under ocean engineering on-call contracts since 2015, and we are excited about the opportunity to continue providing professional consulting services to assist the Public Works Department. With our local experts; innovative, cost effective solutions; and immediate response times, our staff have become a trusted resource for shoreline engineering services to the City.

Trusted Local Resource for the City of Huntington Beach

Anchor QEA is an internationally recognized environmental and waterfront engineering consulting firm with expertise in marine structure assessment and design, coastal and geotechnical engineering, and beach erosion and replenishment processes. We are currently performing similar services for several coastal cities throughout Orange and Los Angeles Counties. Our local waterfront engineers are supported by a team of dredging, sediment quality, wetlands and habitat restoration, regulatory compliance and permitting, and construction management professionals. Anchor QEA's Long Beach office—located less than 15 minutes from the City's offices—will be our lead office for this contract.

Locally Experienced Project Management

Randy Mason, a principal engineer in our Long Beach office, has 34 years of experience working in Huntington Harbour and with Huntington Beach projects. He will be the project manager and single point of contact with the City and our team members. Steve Cappellino, a principal scientist and Anchor QEA

partner, has more than 17 years of local coastal project experience and will be our team's principal-in-charge. They will be supported by more than 25 in-house, regional engineers, planners, and biologists.

Relevant Similar Local Experience

Our SOQ presents only a small portion of the 20 years of engineering, modeling, and permitting services we have provided to the Cities of Huntington Beach, Newport Beach, and Long Beach; the Counties of Orange and Los Angeles; and the Ports of Long Beach and Los Angeles. The selected examples in our SOQ are high-profile projects that we feel best represent the types of projects for which we anticipate the City may require our assistance. In addition, we have supported dozens of small businesses, marinas, and private homeowners with similar services at a smaller scale, highlighting our ability to handle a wide range of project needs.

Innovative Project Solutions

Our staff are frequently contacted to develop innovative and cost-effective solutions where others have failed. For example, after 20 years of researching potential remedies for its unique coastal erosion needs, the City of Long Beach retained Anchor QEA to find the best option, which we did at a cost that will save them considerable funds. Similarly, the County of Orange has just retained Anchor QEA to help develop a means and methodology for the long-term beach protection needs at Capistrano Beach. Both are high-profile projects where clients sought out Anchor QEA staff for their capabilities to develop unique solutions.

We have reviewed the general requirements outlined in the City's SOQ request. We can provide the required certificate of insurance and have no exceptions to the City's Standard Form of Agreement, and our business license with the City, No. A291404, is current. We have received and reviewed Addendum 1, dated March 19, 2021. Thank you for the opportunity to submit this qualifications package. Please contact us if you have any questions.

Sincerely,



Steve Cappellino
Principal Scientist, Partner



Randy Mason, PE
Principal Engineer (No. C30661)

Randy Mason | Project Manager

301 East Ocean Blvd., Suite 1860
Long Beach, CA 90802

Direct: 657-227-7454 | Cell: 714-702-4208

Email: rmason@anchorqea.com

REQUEST FOR PROPOSAL
VENDOR APPLICATION FORM

TYPE OF APPLICANT: ☐ NEW ☒ CURRENT VENDOR

Legal Contractual Name of Corporation: Anchor QEA, LLC

Contact Person for Agreement: Steve Cappellino

Corporate Mailing Address: 301 East Ocean Boulevard, Suite 1860

City, State and Zip Code: Long Beach, CA 90802

E-Mail Address: scappellino@anchorqea.com

Phone: (949) 322-8258 Fax: N/A

Contact Person for Proposals: Randy Mason

Title: Project Manager E-Mail Address: rmason@anchorqea.com

Business Telephone: (714) 702-4208 Business Fax: N/A

Is your business: (check one)

☐ NON PROFIT CORPORATION ☒ FOR PROFIT CORPORATION

Is your business: (check one)

<input type="checkbox"/> CORPORATION	<input checked="" type="checkbox"/> LIMITED LIABILITY PARTNERSHIP
<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> SOLE PROPRIETORSHIP
<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> UNINCORPORATED ASSOCIATION

Names & Titles of Corporate Board Members

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

Names	Title	Phone
Steve Cappellino	Shareholder	(949) 322-8258
Tom Wang	Shareholder	(206) 287-9130
John Verduin	Managing Partner	(206) 287-9130
Po Chen, Linda Larson, Halah Voges	Board Members	(206) 287-9130
Tom Schadt, Andrew Corbin, John Connelly	Board Members	(206) 287-9130

Federal Tax Identification Number: 91-1851322

City of Huntington Beach Business License Number: A291404
(If none, you must obtain a Huntington Beach Business License upon award of contract.)

City of Huntington Beach Business License Expiration Date: 1/31/2022

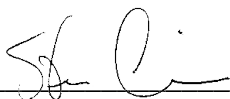
EXHIBIT A: PRE-QUALIFICATION FORM
ON-CALL OCEAN ENGINEERING & PROFESSIONAL CONSULTING SERVICES

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

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

Firm Name: Anchor QEA

Firm Address: 301 East Ocean Boulevard, Suite 1860, Long Beach, CA 90802

Signature:  Date: April 7, 2021

D. SERVICE CATEGORY

Firm Qualifications

Anchor QEA, LLC, is an environmental and waterfront engineering consulting firm that specializes in aquatic, shoreline, and water resource projects. As a firm, we have 24 years of engineering design and environmental support experience, including 20 years in California, and have assisted local cities, counties, and ports with harbor maintenance, capital improvement projects, permit entitlements, and marine infrastructure. Our local team can meet all of the City of Huntington Beach's (City's) coastal engineering needs, including study of coastal processes; design of shoreline protection and beach nourishment projects; development of concept plans and preparation of construction documents for repair and/or construction of new waterfront structures including piers, seawalls, bulkheads, and floating docks; design and permitting support for dredging and sediment management; and project construction support.

We understand current coastal and harbor issues and actively contribute to the industry as leaders by serving on the boards of directors of the Marina Recreation Association and Western Dredging Association and participating in the California Marine Affairs and Navigation Conference and the local chapter of the American Society of Civil Engineers' (ASCE's) Ports and Harbors Group. We have exceptional relationships with local regulators from the U.S. Army Corps of Engineers (USACE), Regional Water Quality Control Board, California Coastal Commission, and the resource agencies built on years of trust earned through our continued pursuit of sound scientific approaches in order to find novel solutions that meet everyone's objectives.

Similar Project Experience and Public Agency Client References

In this section we have provided some of our more recent and relevant projects that highlight our experience and technical approach for solving our clients' ocean engineering needs. These include examples with the City as well as its neighboring coastal cities.

OCEAN ENGINEERING EXPERIENCE IN CALIFORNIA

20

Years providing ocean engineering services to public entities, including the Cities of Huntington Beach, Long Beach, and Newport Beach, Counties of Orange and Los Angeles, and Ports of Los Angeles, Long Beach, and Hueneme



Huntington Harbour Bulkhead Study, City of Huntington Beach *(August 2018 to June 2019)*

Agency Contact: Tom Herbel, PE; tom.herbel@surfcity-hb.org; 714-375-5077

Key Anchor QEA Personnel: Fred Massabki (Project Manager), Randy Mason

Anchor QEA performed a Level I survey of the City-owned bulkheads (approximately 2,927 linear feet) using ASCE *Waterfront Facilities Inspection and Assessment* Manual of Practice No. 130 (Heffron 2015) guidelines. The project also included preparation of a feasibility analysis of the City's sea level rise vulnerability assessment and its application to the bulkheads, as well as a technical report detailing findings, repair recommendations, and rough order-of-magnitude cost and quantity estimates for repairs, replacements, and future height extensions. The work was performed under Anchor QEA's professional ocean engineering services on-call contract.



Lakeview Drive Slope Stabilization, City of Huntington Beach *(October 2018 to July 2019)*

Agency Contact: Gabriel Munoz-Morris, PE; gabriel.munozmorris@surfcity-hb.org; 714-375-8444

Key Anchor QEA Personnel: Fred Massabki (Project Manager), Alyssa Cannon, Anna Spooner, Adam Gale

This project involved study and design to restore a 600-foot-long stretch of lakefront shoreline impacted by effects of sustained erosion from high lake levels due to ongoing groundwater recharge, surface runoff, and wind-driven waves. Structures included a high-voltage duct bank and adjacent sidewalk, a stormwater outfall, and a degraded overflow weir at risk for failure. Anchor QEA's role included engineering, permitting, wind and wave hindcast analysis to determine rock toe criteria, landscape architecture for repairs to degraded stormwater infrastructure, a new bioengineered shoreline, and erosion mitigation measures. The estimated construction cost was \$325,000.

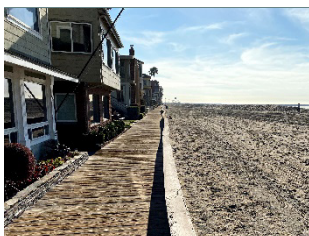


Colorado Lagoon Restoration, City of Long Beach *(January 2015 to Present)*

Agency Contact: Eric Lopez, eric.lopz@longbeach.com, 562-570-5690

Key Anchor QEA Personnel: Steve Cappellino, Fred Massabki, Jack Malone, Michael Whelan, Randy Mason, Anna Spooner

Anchor QEA is leading the development of a large remediation and restoration project at the Colorado Lagoon and Marina Vista Park that will create a 25-acre habitat bank. Features include shoreline stabilization and development, park space, sports fields, roads, bridges, utilities, and landscaping. Total construction costs are estimated at \$30 million. Anchor QEA is spearheading the planning, permitting, design, and construction management for this high-profile project.



Peninsula Beach Boardwalk Study, City of Long Beach *(March 2020 to Present)*

Agency Contact: Cory Forrester, cory.forrester@longbeach.gov, 562-570-8918

Key Anchor QEA Personnel: Randy Mason (Project Manager), Fred Massabki

Anchor QEA is preparing an assessment of a 3,500-foot-long timber boardwalk and timber plank wave deflection wall fronting residential structures that are facing beach sand and open ocean waters. The site is subject to impacts from storm-generated wave action, flooding, and high tides. The project will address City of Long Beach concerns regarding the integrity of the wave deflection wall and the internal connections of the framing system supporting the timber walking deck. Anchor QEA's role includes management of test pit excavation to inspect structural components, field inspection and structural assessment, technical report preparation, cost estimation, and development of retrofit recommendations.



El Dorado Park Duck Pond Rehabilitation, City of Long Beach *(January 2019 to Present)*

Agency Contact: Joseph Hunter, joseph.hunter@longbeach.gov, 714- 655-3951

Key Anchor QEA Personnel: Fred Massabki

This project involves rehabilitation of pond components and water quality improvements through ecological and water circulation restoration. Initial efforts involved review of design documents prepared by others. Design of new project elements was added, including Americans with Disabilities Act-compatible parking stalls and access, pump house building upgrades, and a recycled water line to the adjacent golf course. Anchor QEA's role includes upcoming construction services for the estimated \$3 million project.



Bulkhead Integrity Flood Risk Study, City of Newport Beach *(November 2017 to January 2018)*

Agency Contact: Samir Ghosn, sghosn@newportbeachca.gov, 949-644-3277

Key Anchor QEA Personnel: Randy Mason (Project Manager), Fred Massabki

This project involved a condition survey of 20 miles of existing bulkheads and slope protection structures around Newport Harbor to assist the City of Newport Beach with preparation of a Federal Emergency Management Act (FEMA) required response. Work involved a waterside field investigation to identify type and document all existing shoreline protection structures based on potential failure risks in the event of flooding from seasonal storm and king tide events, as well as preparation of a technical report.



Lower Newport Bay Dredging, City of Newport Beach *(January 2010 to Present)*

Agency Contact: Chris Miller, cmiller@newportbeachca.gov, 949-644-3043

Key Anchor QEA Personnel: Steve Cappellino, Adam Gale

Anchor QEA has been leading design, permitting, and construction oversight for a series of large maintenance dredging efforts in Lower Newport Bay since 2010. Included in this work was a 1.5-million-cubic-yard (cy) dredging effort in 2010 and a current program to dredge an additional 1.2 million cy of clean and contaminated sediment. Anchor QEA also has led over 20 smaller dredging efforts in the harbor and currently manages the City of Newport Beach's regional dredging permit and eelgrass management program.



East San Pedro Bay Ecosystem Restoration, City of Long Beach *(January 2018 to Present)*

Agency Contact: Joshua Hickman, Joshua.Hickman@longbeach.gov, 562-570-5714

Key Anchor QEA Personnel: Steve Cappellino, Jack Malone, Randy Mason

Anchor QEA is supporting the City of Long Beach and USACE on a habitat restoration program that includes constructing coastal structures such as nearshore reefs and islands and underwater rockpiles and stabilizing the shoreline throughout east Long Beach. Anchor QEA conducted wave and hydrodynamic flow modeling and engineering cost estimates to support the project.



Peninsula Beach Sand Management, Port of Long Beach *(January 2016 to Present)*

Agency Contact: Elvira Hallinan, elvira.hallinan@longbeach.gov, 562-570-3215

Key Anchor QEA Personnel: Steve Cappellino, David Cannon, Randy Mason, Jack Malone

Anchor QEA is working to develop a shoreline protection program for the City of Long Beach that includes a unique approach for back-passing beach sand using a hydraulic pump. A feasibility study was conducted that led to a full-scale field pilot program to test the approach using a large Toyo-style pump and a mile of pipe.

KEY PERSONNEL PROJECT EXPERIENCE

Name	Education	Similar Experience
Steve Cappellino Principal-in-Charge 31 years of experience	BS, Ecotoxicology, 1990, Western Washington University	<ul style="list-style-type: none"> • Peninsula Beach Sand Management, City of Long Beach • Colorado Lagoon Restoration, City of Long Beach • East San Pedro Bay Ecosystem Restoration, City of Long Beach • Rhine Channel Contaminated Sediment Cleanup, City of Newport Beach • On-Call Marine Engineering, City of Newport Beach • Lower Newport Bay Dredging, City of Newport Beach • Andrée Clark Bird Refuge Improvement Project, City of Santa Barbara • India Basin Shoreline Redevelopment, City and County of San Francisco
Randy Mason, PE Project Manager 46 years of experience	BS, Civil Engineering, 1972, California State University, Fullerton	<ul style="list-style-type: none"> • Huntington Harbour Bulkhead Study, City of Huntington Beach • Naples Island Permanent Bulkhead Repair, City of Long Beach • Belmont Veterans Memorial Pier Assessment, City of Long Beach • Peninsula Beach Boardwalk Study, City of Long Beach • Balboa Islands Seawall Rehabilitation, City of Newport Beach • Bulkhead Integrity Flood Risk Study, City of Newport Beach • Marina Del Rey Harbor Public Safety Dock Replacement, County of Los Angeles
Fred Massabki, PE, PMP Deputy Project Manager/Marine Structures Lead 16 years of experience	MS, Civil Engineering, 2004, University of California, Los Angeles Coastal Engineering Certificate, 2007, Old Dominion University	<ul style="list-style-type: none"> • Huntington Harbour Bulkhead Study, City of Huntington Beach • Lakeview Drive Slope Stabilization, City of Huntington Beach • El Dorado Park Duck Pond Rehabilitation, City of Long Beach • Peninsula Beach Boardwalk Study, City of Long Beach • Bulkhead Integrity Flood Risk Study, City of Newport Beach • Harbor Design Criteria Standards, City of Newport Beach • Marina Del Rey Harbor Public Safety Dock Replacement, County of Los Angeles
David Cannon, PE Coastal Engineering Lead 33 years of experience	MS, Coastal Engineering, 1990, University of Delaware	<ul style="list-style-type: none"> • Bolsa Chica Lowlands Restoration Project Sustainable Alternatives Study, Bolsa Chica Land Trust • Colorado Lagoon Restoration, City of Long Beach • Alamitos Beach Concession Stand Sea Level Rise Vulnerability Assessment and Adaptation Plan, City of Long Beach • Drake Park Wetlands, City of Long Beach
Alyssa Cannon Coastal Engineer 11 years of experience	BS, Ocean Engineering, 2010, Texas A&M University	<ul style="list-style-type: none"> • Colorado Lagoon Restoration, City of Long Beach • Leeway Sailing Center Coastal Hazards Analysis, City of Long Beach • Peninsula Beach Hydrodynamic Modeling, City of Long Beach • Andrée Clark Bird Refuge Improvement Project, City of Santa Barbara
Anna Spooner Landscape Architecture Lead 12 years of experience	MLA, Landscape Architecture, 2008, University of Oregon	<ul style="list-style-type: none"> • Lakeview Drive Slope Stabilization, City of Huntington Beach • Colorado Lagoon Restoration, City of Long Beach • North Lake Tapps Bulkhead Replacement, Pierce County, Washington • Sequim Bay State Park Bulkhead Replacement and Boat Launch, Washington State Parks and Recreation Commission
Michael Whelan, PE Geotechnical Lead 26 years of experience	MS, Geotechnical Engineering, 1995, Massachusetts Institute of Technology MS, Environmental Engineering, 1992, Georgia Institute of Technology	<ul style="list-style-type: none"> • Colorado Lagoon Restoration, City of Long Beach • Catalina Island Terminal Maintenance Dredging, City of Long Beach • Rhine Channel Contaminated Sediment Cleanup, City of Newport Beach • Andrée Clark Bird Refuge Improvement Project, City of Santa Barbara • India Basin Shoreline Redevelopment, City and County of San Francisco

Name	Education	Similar Experience
Jack Malone, PhD Permit Compliance Lead 20 years of experience	PhD, Biology, 2001, University of California, Los Angeles	<ul style="list-style-type: none"> • Colorado Lagoon Restoration, City of Long Beach • Permitting and Environmental Compliance, City of Long Beach • Peninsula Beach Sand Management, City of Long Beach • East San Pedro Bay Ecosystem Restoration, City of Long Beach • Rhine Channel Contaminated Sediment Cleanup, City of Newport Beach • Andrée Clark Bird Refuge Improvement Project, City of Santa Barbara
Adam Gale Permit Compliance 17 years of experience	BS, Ecology and Systematic Biology, 2004, California Polytechnic State University	<ul style="list-style-type: none"> • Lakeview Drive Slope Stabilization, City of Huntington Beach • Balboa Island Seawall Rehabilitation, City of Newport Beach • Regional General Permit 54 Reauthorization, City of Newport Beach • On-Call Marine Engineering, City of Newport Beach • Lower Newport Bay Dredging, City of Newport Beach • Marina Park, City of Newport Beach
Tom Wang Quality Manager 31 years of experience	BS, Civil Engineering, 1990, University of Washington	<ul style="list-style-type: none"> • On-Call Sediment Management and Coastal Planning, City and County of San Francisco • Los Angeles County Dredged Material Management Plan Pilot Studies, USACE • On-Call Coastal Planning and Dredging, USACE

Benefit to the City and Understanding of the Scope of Services

Anchor QEA is uniquely qualified to support the City due to our extensive knowledge of coastal processes, institutional knowledge of the City's waterfront and beachfront structures and challenges, and adaptive approach for solving problems in an efficient and structured manner. We understand that City staff are typically faced with planned improvements, such as bridge upgrades, seawall repairs, and ongoing mitigation to address beach erosion, as well as emergency responses, such as repairs for damage caused by coastal storms and king tide events. We are trained to meet both types of challenges and have capable experts that can respond to the City's needs within a few hours, not days, weeks, or months like many of the larger firms. The Anchor QEA project team will work with City staff to evaluate alternatives, select a cost-effective solution that addresses the project need, and provide a technically accurate and permitted design package for construction.

Staffing

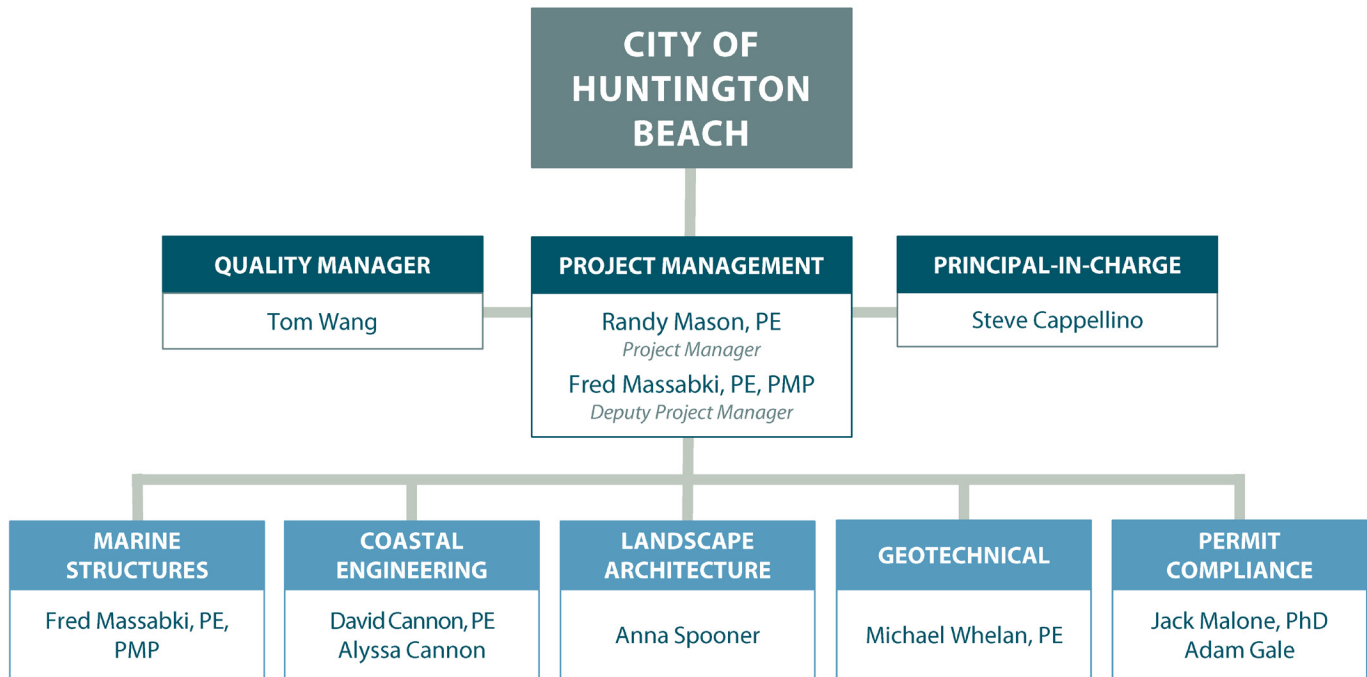
All ocean engineering tasks awarded to Anchor QEA will be coordinated by **Randy Mason, PE**, from our Long Beach office. Randy has 46 years of experience, with 39 years of local Orange and Los Angeles County coastal project experience that includes numerous condition assessment, marina repair/replacement, and seawall repair/stabilization projects throughout Huntington Harbour. His recent work includes marine structure projects for the City of Long Beach, the City of Newport Beach, and Los Angeles County, and he is currently managing repairs to approximately 1 mile of private Huntington Harbour seawalls, a joint project of two homeowner associations. Randy will be supported by **Steve Cappellino**, a firm partner, as the principal-in-charge. Steve will

ensure that the City's objectives are met when each task is assigned, allocate the appropriate resources, and provide City staff with a local, knowledgeable backup contact. Steve works in both our Long Beach and Irvine offices and has more than 30 years of waterfront development experience, 17 of which include local Orange and Los Angeles County coastal and harbor project experience. Steve has been working directly for the Cities of Newport Beach and Long Beach on marine engineering and coastal studies for more than two decades, and he is currently managing Anchor QEA's on-call contracts with both cities.

For scientific studies and sea level rise assessments, Steve has the legal authority to execute a contract on behalf of the Limited Liability Corporation (LLC) per the terms of our internal operating agreement. For engineering assessment and design contracts, John Verduin, a licensed California engineer and the firm's managing partner, has the legal authority to execute a contract on behalf of the LLC. Randy and Steve have held these same roles for Anchor QEA's current on-call ocean engineering contract with the City. They will be supported by **Fred Massabki, PE, PMP**, in the role of deputy project manager. Fred is a Project Management Institute-certified project management professional and senior engineer with more than 16 years of experience.

Both Fred and Randy have had lead roles in projects awarded to Anchor QEA under our current on-call ocean engineering contract with the City, with Steve serving as the principal-in-charge. Randy and Fred will be supported by the section leads presented in the following organizational chart.

ORGANIZATIONAL CHART



Resumes

Resumes for key team members shown above and associated professional licenses and California certifications are provided in Appendix A as requested in the Request for Qualifications (RFQ).

Understanding and Methodology

Understanding of the City

With its premier Orange County coastline, popular public beaches and recreational harbor, landmark pier, and large areas of protected coastal wetlands, the City has a definite need for strong technical support with its coastal engineering projects. Anchor QEA understands the importance of protecting the City's high-profile and valuable coastal resources in both the short and long term, and based on our current work with the City, we understand the critical issues and concerns pertaining to the City's engineering needs, which include the following:

- City-owned and maintained bulkheads and seawalls
- Bridge and overpass upgrades and repairs adjacent to harbor waters
- Sediment transfer and beach replenishment
- Public-use marine structures, such as the Huntington Beach Pier

- Studies and planning to identify and address long-term preservation of the City's coastline and its waterfront assets
- Coastal wetland restoration and protection
- Beach and bluff erosion and protection
- Near- and long-term impacts and adaptation from predicted sea level rise
- Other shoreline protection measures

The following section provides some examples of potential project needs that we can help the City fulfill, along with examples of similar project work we have performed.

Marine Structures

City marine structures include coastline facilities, such as the Huntington Beach Pier, and in-harbor facilities, such as city docks, bulkheads, seawalls, and bridge overpasses and abutments. Examples of our experience include inspection of and improvements to bulkheads and seawalls throughout Huntington Harbour for the City and homeowners' associations. We evaluated deterioration hotspots and presented cost-effective solutions to stabilize the pile-supported bulkheads and extend their useful design lives. This innovative design approach is similar to other recent projects completed by Anchor QEA, such as the Scorpion Pier Replacement on Santa Cruz Island, the Anacapa Island Wharf Replacement, the design of pedestrian and vehicular bridges as part of the Colorado Lagoon Restoration projects, and a bulkhead integrity flood-risk study for the City of Newport Harbor.

Coastal Engineering

Managing coastal protection issues is one of the most critical needs for any coastal city in Southern California. Constant threats from storm and king tide events require that City staff constantly evaluate potential structural weaknesses and are prepared to make emergency repairs if needed. Anchor QEA routinely performs these services within Huntington Beach, as well as in Newport Beach and Long Beach and throughout California. Recent examples include our work at Peninsula Beach in Long Beach, where we are addressing beach protection and boardwalk repair issues, as well as our work at Colorado Lagoon, where we are implementing a large coastal restoration project that requires addressing shoreline protection and sea level rise concerns. From a planning standpoint, we recently completed a FEMA flood mapping project for all of Newport Beach Harbor's waterfront areas.

Permit Compliance

Permit compliance for coastal and ocean engineering projects requires a unique skill set and intimate familiarity with local, state, and federal agencies; local coastal regulations; and agency staff member concerns. Our coastal permitting work is led by Adam Gale and Dr. Jack Malone. Adam has more than 17 years of permitting experience, including design and construction work. His experience includes supporting permitting for the City of Newport Beach for more than 8 years. Jack was formerly a regulator for USACE, where he led coastal permitting projects for the Long Beach and Huntington Beach areas. Anchor QEA has become a leader in developing coastal projects, and we are the only firm to have successfully implemented innovative approaches such as the use of in-harbor confined aquatic disposal sites for dredge materials. We are currently managing the regional dredging permits for the cities of Newport Beach and Long Beach and the Port of Long Beach.

Geotechnical Engineering

Because of California's typical sandy shoreline geology, local coastal engineering projects rely heavily on geotechnical engineering to provide stability and protection from seismic events. Anchor QEA's civil and geotechnical engineers have considerable experience with local conditions and have been designing shoreline structures such as seawalls and various pile-supported structures for more than 40 years. Recent project examples include the Rhine Channel Contaminated Sediment Cleanup for the City of Newport Beach and the Scorpion Pier Replacement on Santa Cruz Island for the National Park Service.

Methodology to Achieve Client Satisfaction

Our general methodology for on-call tasks uses a proven sequence of procedures. The project implementation process begins when our project manager, Randy Mason, receives a specific task assignment from the City. He will assess the scope of work and develop a budget and schedule that will be continuously monitored during the work. Task scope of work, fee, and schedule will be reviewed with the City's representative to ensure agreement before commencing any work. Randy will select the appropriate key personnel from our team to accomplish the task assignment based on their qualifications and experience relative to the technical and regulatory requirements of the task.

Randy will be the primary point of contact with the City and our team members. For each task assignment, an internal kickoff meeting will be held with assigned team members to review the scope of work, schedule, and the City's goals. Internal team meetings will be held as needed during the course of the work to monitor project progress against the budget and schedule. Randy or Fred will meet with City staff during the project

to communicate status and work to resolve challenges that may arise. To maximize the effectiveness of project meetings, a meeting agenda and timely meeting minutes will be created to identify issues discussed, action items and responsible parties, and deadlines. Our experience is that regularly scheduled meetings and open dialogues encourage creativity and result in successful projects.

The most effective way to maintain control over cost and schedule is to properly scope a project; communicate the scope of work, cost, and schedule to the project team; and aggressively monitor progress through continuous communication. To control the budget, Randy or Fred will review weekly budget statements against work completed. A detailed schedule identifying tasks, milestones, and critical path elements of design and coordination will be developed and monitored.

Quality Assurance/Quality Control

Anchor QEA has a well-established quality assurance (QA)/quality control (QC) program that ensures quality is maintained for all deliverables throughout each project. A brief quality plan, which identifies project deliverables, due dates, and responsible reviewers, will be prepared at the outset of each project. Our QA/QC program ensures that each deliverable we prepare undergoes a thorough detail check and technical review prior to submittal. These reviews are conducted by individuals who are independent of the work product preparation, including technical reviewers and editors. We have committed Tom Wang, an Anchor QEA partner with more than 30 years of marine project experience, to perform QA, thus ensuring our QA/QC process is followed on each submittal. He has the authority to allocate additional staff during the review process, depending on the complexity of the submittal.

E. RATE SHEET

Per the RFQ, a detailed hourly rate schedule is uploaded under the Cost File in PlanetBids.



Appendix A: Resumes

Steve Cappellino

Role: Principal-in-Charge

BS, Ecotoxicology, Western Washington University, 1990

Steve Cappellino is a principal scientist with 31 years of experience assisting cities and counties with their coastal development, remediation, and restoration projects throughout Southern California and across the United States. He has been a trusted partner to the City of Long Beach for the last 20 years, including 15 years as the principal-in-charge of Anchor QEA's consecutive on-call contract. In the past 5 years, Steve has led 17 projects totaling \$5.2 million for the City of Long Beach, including the Colorado Lagoon Restoration, the Peninsula Beach Sand Management Feasibility Study, and the East San Pedro Bay Ecosystem Restoration program. Steve has also supported the City of Newport Beach for the past 19 years, including management of consecutive contracts for on-call marine engineering services. His specific expertise includes management of sediment remediation and remedial investigation/feasibility studies, assessment of water quality and contaminated sediment impacts at the watershed level, dredge material management, planning and implementation studies, dredging and beach nourishment, and ecological risk assessments.

Project Experience

Peninsula Beach Sand Management, City of Long Beach

Steve is leading a sand management program for the City of Long Beach at Peninsula Beach near the entrance to Alamitos Bay. A feasibility study was conducted to evaluate sand management alternatives and an innovative approach for beach nourishment was selected for pilot study testing. The pilot study will use a mobile hydraulic system to back-pass sand along the beach, replacing the use of excavators and trucks.

Colorado Lagoon Restoration, City of Long Beach

Steve is the program manager leading the development of an ecological restoration program at the Colorado Lagoon. Activities have included dredging and filling to create functional lift habitat areas for eelgrass development, intertidal mudflats, and marsh habitat. Specific tasks have included engineering design, permitting, mitigation bank development, agency negotiations, a new public walking pier across the lagoon, walking trails, and bioswales to manage stormwater runoff from an adjacent golf course. The current phase involves creation of an open channel connection from the lagoon under a public park and City of Long Beach roadways to open Alamitos Bay waters.

East San Pedro Bay Ecosystem Restoration, City of Long Beach

Steve has been the City of Long Beach's biological technical representative for this U.S. Army Corps of Engineers-led feasibility study for the last 5 years. The project is evaluating restoration alternatives for restoring marine habitats in East San Pedro Bay. Options include the creation of bird islands, kelp plantings, and installation of a rocky reef. Steve's role has been to provide technical support to the City's managers and help guide the alternative selection process.

Rhine Channel Contaminated Sediment Cleanup, City of Newport Beach

Mr. Cappellino recently managed a multi-disciplinary project to remediate contaminated sediments from Rhine Channel in Lower Newport Bay. Anchor QEA conducted various studies, sediment sampling, bathymetry surveys, debris field mapping, and structural engineering for existing shoreline structures, and managed all construction activities, compliance monitoring, and public outreach.

Randy Mason, PE

Role: Project Manager

BS, Civil Engineering, California State University, Fullerton, 1972; Professional Engineer, California (No. C030661)

Randy Mason's 46-year professional career includes more than 36 years of work on local waterfront projects that has included marine structures (piers, wharves, docks, bulkheads, and revetments), coastal bluff protection and erosion mitigation, shoreline and slope protection, coastal trails and waterfront promenades, and recreational marinas. Randy's local public agency experience includes the counties of Orange and Los Angeles and the cities of Huntington Beach, Newport Beach, Long Beach, and Los Angeles. Examples of his long-term public agency associations include 39 years and 27 projects for the City of Long Beach and 36 years and 12 projects for the City of Newport Beach. He has also assisted both cities with revisions to their waterfront design and construction standards manuals.

Randy's early project history with the City of Huntington Beach began in 1987 and includes nine projects involving pump stations, reservoirs, water wells, and Utility Operations Yard facilities working primarily with the Public Works Water Division staff. Randy's overall 34-year Huntington Beach project history has focused on bulkhead condition assessments, repair, and stabilization and marina rebuilds and repairs. With a history of over 50 projects, Randy has become a recognized area expert on Huntington Harbour's bulkheads and is frequently contacted to assist homeowner associations, individual property owners, attorneys, and others. He is currently working with two homeowner associations on repairs to a combined mile-long section of concrete bulkheads and with another association for structural assessment of a concrete boardwalk and bulkhead. His marina experience includes leading assessment, planning, engineering, and construction services to rebuild or repair 10 Huntington Harbour marinas. He also led design and installation for a footbridge over Warner Channel at the Bolsa Chica Ecological Reserve for the California Department of Fish and Wildlife.

Project Experience

Huntington Harbour Bulkhead Study, City of Huntington Beach

Randy was the technical advisor for preparation of condition assessments of City of Huntington Beach-owned and maintained bulkheads within Huntington Harbour that included standard Huntington Harbour bulkheads, augmented bulkheads, bridge abutments, and a beachfront gravity wall. Work included conducting above-water and topside inspections and preparing a feasibility analysis of the City's sea level rise (SLR) vulnerability assessment and its application to the bulkheads, conceptual cost estimates for recommended repairs and replacements, and an assessment report. Randy provided quality assurance/quality control for the technical report prepared for City use.

Peninsula Beach Boardwalk Study, City of Long Beach

Randy is the project manager for assessment of an existing 3,500-foot-long timber boardwalk and timber plank wave deflection wall located between residences and beach sand and ocean waters that is subject to storm-generated waves and high tides. The project will address City of Long Beach concerns regarding the structural integrity of the structures. Randy manages field inspection, the excavation of inspection pits by City crews, structural assessment, technical report preparation, cost estimating, and development of retrofit recommendations. His role also includes meeting with City staff to discuss findings and alternatives.

Colorado Lagoon Restoration – Open Channel, City of Long Beach

Randy is the technical lead for creation of an open channel connecting Colorado Lagoon with tidal waters of the adjoining Long Beach Marine Stadium. He is coordinating engineering disciplines design and installation of two new box bridges, the channel, and retaining walls. He is also responsible for coordinating phasing issues for the work and serving as a technical advisor during structure design.

Colorado Lagoon Restoration – Lagoon Remediation, City of Long Beach

Randy led structural engineering to develop design and construction documents to extend an existing partial pile-supported floating wood walking bridge to fully traverse the lagoon's width. Bridge design included Americans with Disabilities Act-compliant measures. Randy's role included preparing a condition assessment of existing partial bridge components and developing repair methods and material recommendations for the existing bridge support piles.

Balboa Island Seawall Rehabilitation, City of Newport Beach

Randy was the project manager for engineering to develop rehabilitation measures for aging bulkheads around Balboa Island. The project purpose is to mitigate bulkhead overtopping and waterfront flooding from seasonal storms, high tides, and future predicted SLR. His work and findings from a previous structural integrity/SLR study were used to develop rehabilitation options for evaluation. The preferred option called for installation of interlocking steel sheet piles on the waterside of the existing wall and widening and elevating an existing concrete waterfront boardwalk. Randy's role included development of construction documents, cost estimates, and presentations to City staff, officials, and public citizens.

Rhine Channel Contaminated Sediment Cleanup, City of Newport Beach

Randy was the project manager for engineering design related to waterside structures impacted by dredging to remove contaminated sediment from the Rhine Channel. He was responsible for the field investigation to identify and document the condition of waterside structures, evaluation of bulkhead stability, development of dredge limits near bulkheads, analysis for design of new guide piles, and cost estimating and construction documents to replace 120 guide piles and modify impacted floating docks.

Naples Island Permanent Bulkhead Repair, City of Long Beach

Randy has led peer reviews of construction documents for the first two phases of this multi-phase project to permanently repair and stabilize the Naples Island Bulkhead System. Randy reviewed 90%-level Phase I and 100%-level Phase II construction documents and coordinated the work of other peer review team members. He reviewed comments by others, prepared the peer review reports and separate plan sets with comments annotated, and wrote technical memoranda identifying specific concerns or issues for the City's consideration.

Public Safety Dock Replacement, County of Los Angeles

Randy was the project manager for marine engineering and permitting to replace aging and undersized waterside facilities supporting the Los Angeles County Sheriff and Fire Department Lifeguard Division operations based in Marina Del Rey Harbor that serve all County of Los Angeles waters. He oversaw development of cost estimates and construction documents for new floating docks with on-dock buildings, storage enclosures, berthing space for 14 vessels, gangways, dock utilities, sewage pump-out, and fuel dispensing facilities and will be overseeing pending construction services.



BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

LICENSING DETAILS FOR: 30661

NAME: MASON, RANDY HOWARD

LICENSE TYPE: CIVIL ENGINEER

LICENSE STATUS: CLEAR 

ADDRESS

10352 TENNYSON AVE
WESTMINSTER CA 92683
ORANGE COUNTY

[MAP](#)

ISSUANCE DATE

AUGUST 15, 1979

EXPIRATION DATE

MARCH 31, 2022

CURRENT DATE / TIME

MARCH 12, 2021
11:36:40 AM



STATE BOARD OF REGISTRATION
FOR PROFESSIONAL ENGINEERS



THIS IS TO CERTIFY THAT PURSUANT
TO THE PROVISIONS OF CHAPTER 7, DIVISION 3 OF THE BUSINESS AND PROFESSIONS CODE

RANDY HOWARD MASON

IS DULY REGISTERED AS A
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

IN THE STATE OF CALIFORNIA, AND IS ENTITLED TO ALL THE RIGHTS AND
PRIVILEGES CONFERRED IN SAID CODE



WITNESS OUR HAND AND SEAL

CERTIFICATE

No. 30661

THIS 15 TH DAY OF AUGUST 1979

STATE BOARD OF REGISTRATION
FOR PROFESSIONAL ENGINEERS

SECRETARY

PRESIDENT

THIS CERTIFICATE IS THE PROPERTY OF THE STATE OF CALIFORNIA AND IN THE EVENT OF ITS SUSPENSION, REVOCATION OR
INVALIDATION FOR ANY REASON IT MUST UPON DEMAND BE RETURNED TO THE STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Fred Massabki, PE, PMP

Role: Deputy Project Manager/Marine Structures Lead

Certificate, Coastal Engineering, Old Dominion University, 2007; MS, Civil Engineering, University of California, Los Angeles, 2004; Professional Engineer, California (No. C70423); Project Management Professional (No. 1936952)

Fred Massabki is a managing engineer with more than 16 years of experience supporting public agencies with waterfront facility and structure design and associated infrastructure. Fred has worked with City of Huntington Beach Public Works staff on two projects under Anchor QEA's current On-Call Ocean Engineering contract. Fred's relevant experience includes piers, floating docks, bulkheads, seawalls, waterfront parks, and shoreline stabilization. His local public agency experience includes 13 projects for the City of Long Beach, 3 projects for the City of Newport Beach, and 2 projects for the City of Los Angeles Harbor Department. His Huntington Beach experience also includes 2 projects within Huntington Harbour for homeowner associations. He routinely manages and serves as principal engineer on local ocean engineering projects involving inspections and assessments; special studies; engineering design; preparation of plans, specifications, and cost estimates; and bid- and construction-phase services. His expertise includes the California State Parks Division of Boating and Waterways and Americans with Disabilities Act (ADA) compliance.

Project Experience

Huntington Harbour Bulkhead Study, City of Huntington Beach

Fred managed preparation of a condition assessment of City of Huntington Beach-owned bulkheads (approximately 2,927 linear feet) within Huntington Harbour that included standard Huntington Harbour bulkheads (L-shaped reinforced concrete retaining wall on timber piles), augmented bulkheads, bridge abutments, and a beachfront gravity wall. Work included performing above-water and topside Level 1 inspections, preparing conceptual cost estimates for recommended repairs and replacements, and an assessment report. Fred also performed a feasibility analysis of the City's sea level rise (SLR) vulnerability assessment and its application to the bulkheads, specifically developing bulkhead extension alternatives and associated estimates of concrete costs to address potential SLR.

Lakeview Drive Slope Stabilization, City of Huntington Beach

Fred was the project manager and principal engineer for the restoration of an eroding lakefront shoreline. A combination of high lake levels from ongoing groundwater recharge, surface runoff, and wind-driven waves eroded a 600-foot stretch of shoreline, threatening a high-voltage duct bank and adjacent sidewalk. An existing stormwater outfall and overflow weir were degraded and at risk for failure. In concert with the landscape architect, he designed repairs to the degraded stormwater infrastructure and a new bioengineered shoreline. The City opted to use a rock stabilization method.

Marina Del Rey Harbor Public Safety Dock Replacement, County of Los Angeles

Fred was lead marine engineer to replace the 1960s-era undersized waterside facilities supporting the Los Angeles County Sheriff and Fire Department Lifeguard Division marine safety operations. New facilities include floating docks with on-dock buildings and storage enclosures and berthing space for 14 vessels. Fred developed minimum design requirements for new domestic water, fire protection, sewage pump-out, and fuel dispensing systems. He also prepared the project's technical specifications and performed QA/QC reviews for the design-build plans. Construction phase services are pending.

El Dorado Park Duck Pond Restoration, City of Long Beach

Fred is managing consultant services for this project to restore pond components and improve water quality at El Dorado Park's popular Duck Pond through the construction of various ecological and water circulation improvements. His initial efforts involved review of design package documents prepared by others prior to the City of Long Beach's solicitation of construction bids. He has been working with City staff to address design review comments and provide design services for additional improvements such as pump house building upgrades, a recycled water line connection to the adjacent golf course, and redevelopment of the pond's habitat island.

Colorado Lagoon Restoration – Open Channel, City of Long Beach

Fred is the lead project coordinator for subconsultant utility and roadway design tasks for the creation of an open channel connecting Colorado Lagoon with tidal waters of the adjoining Long Beach Marine Stadium. Associated work includes rerouting of utilities impacted by channel construction and roadway realignments. This phase of the project also contains excavation and soils management, utilities management, box bridge installation, habitat creation, hydrologic modeling, water and sediment quality assessment and management, parks and walking trails creation, and public outreach.

Peninsula Beach Boardwalk Study, City of Long Beach

Fred is the project engineer for assessment of an existing 3,500-foot-long timber boardwalk and timber plank wave deflection wall fronting upscale residences that face beach sand and open ocean waters. The location is subject to impacts from storm-generated wave action, flooding, and high tides. The project will address City of Long Beach concerns regarding the integrity of the wave deflection wall and internal connections of the framing system supporting the walking deck. Fred's role includes field inspection and documentation of in-place conditions, structure assessment, cost estimating, and technical report QA/QC.

Naples Island Permanent Seawall Repair, City of Long Beach

Fred provided an independent peer review of construction documents for Phase II of a multi-phase effort to permanently repair and stabilize approximately 2,150 linear feet of aging concrete seawalls through installation of new steel sheet pile panels on the waterside of existing walls. Phase II work involved review of 100%-level construction documents prepared by another consultant firm and preparation of peer review comments.

Bulkhead Integrity Flood Risk Study, City of Newport Beach

Fred led preparation of a condition survey of 20 miles of existing bulkheads and slope protection structures around Newport Harbor to assist the City of Newport Beach with preparation of a Federal Emergency Management Act required response. The project involved waterside field investigation to locate, identify type, and document all existing shoreline protection structures based on potential structure risks in the event of flooding (overtopping) from seasonal storm and king tide events. Findings were incorporated into a technical report for City use.

Glorietta Bay Marina Dock C and Boat Launch, City of Coronado

Fred was the project manager and lead engineer for replacement of a 34-slip marina and improvements to an adjacent public boat launch. The marina footprint was expanded, and all components were replaced. The boat launch components were replaced or upgraded. Fred also designed a boat wash area water collection and filter system and parking lot stormwater capture system and provided construction support services.



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

LICENSING DETAILS FOR: 70423

NAME: MASSABKI, FREDERIC JOSEPH

LICENSE TYPE: CIVIL ENGINEER

LICENSE STATUS: CLEAR 

ADDRESS

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LOS ANGELES COUNTY

[MAP](#)

ISSUANCE DATE

JUNE 23, 2006

EXPIRATION DATE

SEPTEMBER 30, 2022

CURRENT DATE / TIME

MARCH 12, 2021
11:44:28 AM

<https://search.dca.ca.gov/details/7500/C/70423/ece328353a02d284cc0dc40a155d2bed>



BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS

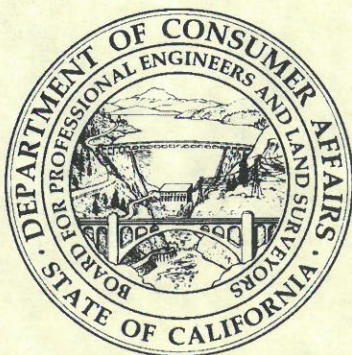


This Is To Certify That Pursuant
To The Provisions of Chapter 7, Division 3 of The Business and Professions Code

Frederic Joseph Massabki

IS DULY LICENSED AS A
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

In The State of California, and Is Entitled To All The Rights and
Privileges Conferred In Said Code



WITNESS OUR HAND AND SEAL

Certificate No C 70423

This 23rd day of June, 2006, at Sacramento, California.

BOARD FOR PROFESSIONAL
ENGINEERS AND LAND SURVEYORS

Executive Officer

President

Project Management Institute

THIS IS TO CERTIFY THAT

Frederic Massabki

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND PERFORMANCE
IN ACHIEVING AN ORGANIZATIONAL OBJECTIVE THROUGH DEFINING AND OVERSEEING PROJECTS AND
RESOURCES AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

Project Management Professional (PMP)®

IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE



Tony Appleby
Chair, Board of Directors



Sunil Prashara
President and Chief Executive Officer



PMP® Number: 1936952
PMP® Original Grant Date: 20 June 2016
PMP® Expiration Date: 19 June 2022



David Cannon, PE

Role: Coastal Engineering Lead

MCE, Coastal Engineering, University of Delaware, 1990; BCE, Civil Engineering, University of Delaware, 1986; Professional Civil Engineer (PE), California, No. C47116

David Cannon is a senior project manager with 33 years of experience leading coastal planning and design projects in Southern California. He worked with the City of Huntington Beach (City) between 2003 and 2005 on the U.S. Army Corps of Engineers (Los Angeles District) Huntington Beach Cliffs Storm Damage Reduction Study, where the City served as the local sponsor for this federally funded project. David's understanding of the Huntington Beach coastline comes from having worked on numerous projects over the years, such as planning and design for the Bolsa Chica Lowlands Restoration Project (1989 to 1999; 2013 to 2018) and monitoring for the Anaheim Bay Mitigation Project located within the Seal Beach Wildlife Refuge (1993 to 1996). David is currently managing the Bolsa Chica Lowlands Restoration Project Sustainable Alternatives Study (2019 to 2021) and Bolsa Chica Ecological Reserve Nesting Island Restoration Project (2020 to 2022 [est.]), both of which are for the Bolsa Chica Land Trust.

David specializes in sea level rise (SLR) vulnerability assessment and adaptation and planning and design of coastal restoration and shore protection projects. He has led more than 20 projects along the California coast working for or with 10 coastal cities and five coastal counties. His range of experience and long-term knowledge of the Huntington Beach coastal area give him a solid foundation for developing sound, strategic approaches to the ocean/coastal engineering issues that the City faces now and in the future with SLR.

Project Experience

Bolsa Chica Lowlands Restoration Project Sustainable Alternatives Study, Bolsa Chica Land Trust, Huntington Beach

David was the project manager for a study to identify problems related to water level management, sedimentation, and habitat impacts and then to formulate potential remediation measures to address those problems. The study focused on problems and remediation measures in the short term (2020 to 2030) and midterm (2030 to 2050), but it also included looking at the long term (2050 to 2100) to address the longer-term impacts due to SLR. Remediation measures were run through an initial screening evaluation process, with some being further evaluated and then combined into several alternatives, each focused on achieving identified goals (e.g., minimizing operations and maintenance costs and maintaining habitats) over a difference time horizon. Potential funding needs and sources were identified to help the Bolsa Chica Land Trust and Bolsa Chica Steering Committee decide upon possible next steps to pursue in addressing the identified problems.

Colorado Lagoon Restoration – Open Channel, City of Long Beach

David is the coastal engineer for final engineering design for creation of an open channel connecting Colorado Lagoon with tidal waters of the adjoining Long Beach Marine Stadium. David developed a work plan to analyze the tidal hydraulics for the purpose of confirming that predicted habitat distributions will match the targeted habitat distributions in the mitigation banking instrument. He also developed a tidal and fluvial hydraulics analysis work plan to develop the information (water levels and velocities) needed to support scour protection design at two bridge locations. He is currently overseeing implementation of these two work plans as the project proceeds from 30% to 60% Design.

Alamitos Beach Concession Stand SLR Vulnerability Assessment and Adaptation Plan, City of Long Beach

David was the coastal engineer for the replacement of a concession stand located at Alamitos Beach. He reviewed SLR hazard maps for the Long Beach coastline prepared by the U.S. Geological Survey using CoSMoS 3.0. He also reviewed existing and proposed topographic site data, along with data regarding the proposed concession stand improvements, and performed a vulnerability assessment based on State guidance. Vulnerabilities related to coastal erosion, high tide inundation, and coastal waves storm were assessed in the base year (2020) and future (2035) under SLR projections. David evaluated each vulnerability in the context of recreational use and prepared a summary report that was submitted for use in responding to comments received from the California Coastal Commission (CCC). Based on the effectiveness of the analyses presented in the summary report, no additional work related to SLR was required by the CCC to complete the permitting process.

Drake Park Wetlands, City of Long Beach

David was the coastal engineer for conceptual alternative development and preliminary engineering of a potential 4-acre wetlands restoration site within the City of Long Beach adjacent to the Los Angeles River. As part of the Drake Park Master Plan, the City included a small wetlands restoration component. The City needed environmental documentation required under the California Environmental Quality Act (CEQA) for implementation of the Master Plan. Because no engineering had been conducted to date for the wetland component, David was retained to develop conceptual design alternatives. He developed goals and objectives, formulated three conceptual alternatives, estimated potential mitigation credits, and oversaw the development of grading plans and preparation of construction cost estimates. He conducted coordination meetings with the City and resource and regulatory agencies to gather input on the suitability of the proposed restoration alternatives and provided all quality assurance and quality control for the calculations, reporting, and presentation of materials. He edited and authored a report that summarized the objectives, methods, results, and conclusions of the work, as well as recommendations for future project development.

San Diego South Bay Western Salt Pond Restoration, Southwest Wetlands Interpretive Association, Imperial Beach

David was the project engineer under for restoration of the Western Salt Ponds (Ponds 10, 10a, and 11) located within the South San Diego Bay Unit of the San Diego National Wildlife Refuge. He was responsible for leading all engineering aspects of the preliminary and final engineering design and construction support of this 200-acre restoration/dredging project. The project involved characterization and dredging of 150,000 cubic yards (cy) of material and subsequent disposal within waters of the United States, as well as coordination of disposal of an additional 60,000 cy of material from another project within the area. David helped develop the sediment sampling and analysis plan, coordinated agency approval of it, and oversaw preparation of construction drawings and specifications for all project components, including the tide gate structure, earthwork/dredging, and siphon demolition, as well as emergency sandbag construction and demolition. He also prepared construction quantities and cost estimates; assisted with construction bid document development, bid review, and contractor selection; and assisted the construction manager in verifying that work was conducted in accordance with the design drawings. He was responsible for client coordination, agency presentations, project planning, staff management, budget preparation and control, and schedule monitoring during all phases of this project.



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

LICENSING DETAILS FOR: 47116

NAME: CANNON, DAVID GLENN

LICENSE TYPE: CIVIL ENGINEER

LICENSE STATUS: CLEAR 

ADDRESS

150 THE PROMENADE NORTH 502
LONG BEACH CA 90802
LOS ANGELES COUNTY

[MAP](#)

ISSUANCE DATE

AUGUST 2, 1991

EXPIRATION DATE

DECEMBER 31, 2021

CURRENT DATE / TIME

MARCH 12, 2021
11:53:33 AM

Board for Professional Engineers, Land Surveyors, and Geologists
2535 Capitol Oaks Drive, Suite 300
Sacramento, CA 95833-2944
916 263-2222

← CUT HERE

I M P O R T A N T

1. Please include your Certificate Number on any correspondence to this office.
2. Notify the Board of any name or address change in writing.
3. Report any loss of this Certificate immediately in writing to the Board.
4. Please sign and carry the Pocket Certificate with you.
5. Please laminate your Certificate to avoid deterioration.

DAVID GLENN CANNON

CERTIFICATE NO.

EXPIRATION DATE

RECEIPT NO.

C 47116

12/31/21

93250920

This is your receipt. Please save for your records.

PPRC 04/22/11

BOARD FOR PROFESSIONAL ENGINEERS,
LAND SURVEYORS, AND GEOLOGISTS

PROFESSIONAL CIVIL ENGINEER
DAVID GLENN CANNON
C 47116

2535 Capitol Oaks Drive, Suite 300, Sacramento, CA 95833-2944
Telephone Number: 916-263-2222
www.bpelsg.ca.gov



Alyssa Cannon

Role: Coastal Engineer

BS, Ocean Engineering, Texas A&M University, 2010

Alyssa Cannon has 11 years of professional experience focused on evaluating nearshore coastal processes and designing shoreline protection structures and beach nourishment projects. She was involved in several research projects during her undergraduate education, including a feasibility evaluation of proposed large-scale shoreline protection projects along the Texas coastline and tsunami modeling. Her areas of expertise include meta ocean data analysis, wind-wave hindcasting, wave and current modeling, and evaluation and design of shoreline stabilization solutions.

Project Experience

Colorado Lagoon Restoration, City of Long Beach

As coastal engineer, Alyssa was responsible for completing wind-wave evaluation and project design tasks. The work involved wetland grading, including dredging and upland grading.

Peninsula Beach Sand Management, City of Long Beach

As coastal engineer, Alyssa was responsible for developing a two-dimensional DELFT3D hydrodynamic model of the local tides and wind waves to evaluate various beach nourishment and shoreline protection alternatives with the goal of reducing chronic erosion at the site.

Leeway Sailing Center Coastal Hazards Analysis, City of Long Beach

As coastal engineer, Alyssa was responsible for completing a coastal hazards analysis for this municipal sailing center in Alamitos Bay to meet the California Coastal Commission's (CCC's) sea level rise (SLR) policy guidance. Her work included wind-wave evaluation, SLR estimates, and effects of updated infrastructure on the local coastal environment.

Santa Monica North Beach Trail, City of Santa Monica

As coastal engineer, Alyssa was responsible for completing a coastal hazards analysis for the trail site to meet the CCC's SLR policy guidance. Her work included buoy wave data analysis, SLR estimates, and U.S. Geological Survey Coastal Storm Modeling System (CoSMoS) storm inundation and erosion potential evaluation.

Andrée Clark Bird Refuge Feasibility Study, City of Santa Barbara

As coastal engineer, Alyssa was responsible for developing a small-scale, combined 1D/2D HEC-RAS model to evaluate existing tidal exchange and two conceptual alternatives to increase the tidal connection through a bridge culvert into the refuge's lagoon to improve water and estuarine habitat quality. Her modeling results were used to evaluate changes to channel water depth and depth-averaged current velocity for each alternative and potential habitat impacts.

Scorpion Pier Replacement, Santa Cruz Island, National Park Service

As coastal engineer, Alyssa was responsible for completing a pile wave load analysis for new pier design. Her work included buoy wave analysis, SLR estimates, and impact wave load estimates for various pile alternatives for the new pier.

Fort Baker and Pier 45 Feasibility Evaluation, National Park Service, San Francisco

Alyssa completed a feasibility evaluation to determine the need for a breakwater at both sites to support a new passenger ferry terminal (Fort Baker) and an existing terminal after pier removal (Pier 45). The analysis included development of an operational and extreme wave climate and conceptual-level navigation channel planning.

Anna Spooner

Role: Landscape Architecture Lead

MLA, Landscape Architecture, University of Oregon, 2008; Professional Landscape Architect (Washington, No. 1245); American Society of Landscape Architects

Anna Spooner has more than 12 years of landscape architecture, restoration design, and natural resources experience that includes work in Southern California. She has worked on water resource projects that require balancing complex site issues, including ecological process restoration, infrastructure protection, and public use. Anna also has experience in natural resource site investigations and delineations for wetlands, streams, and shorelines. She uses that knowledge to develop appropriate, site-specific planting designs for marsh, dune, riparian, and maritime communities.

Project Experience

Lakeview Drive Shoreline Stabilization, City of Huntington Beach

Anna was the landscape architect for this project to study and design methods to restore a 600-foot-long stretch of lakefront shoreline impacted by effects of sustained erosion from high lake levels due to ongoing groundwater recharge, surface runoff, and wind-driven waves. Structures included a high-voltage duct bank and adjacent sidewalk, a stormwater outfall, and a degraded overflow weir at risk for failure. She designed a new bioengineered embankment, which included replacing diseased sycamore trees with drought- and beetle-resistant species and incorporating willow trees into the lake shoreline as an erosion mitigation measure.

Colorado Lagoon Restoration, City of Long Beach

Anna is leading the project's park and open space design, integrating the new open channel and habitat communities within the renovated Marina Vista Park with a multi-use pathway, viewing areas, and interpretive signage. She is also closely coordinating with the team to accommodate the placement of excavated materials within the upland park. The project will replace an undersized culvert with a new open channel and bridges to increase tidal flushing between Colorado Lagoon and Marine Stadium with the goal of improving the lagoon's water quality.

North Lake Tapps Bulkhead Replacement, Pierce County (Washington)

Anna was the project landscape architect for this park improvement project that included new and replacement bulkheads, boat ramp and dock improvements, and habitat restoration. She led wetland and ordinary high water mark delineations and the mitigation design to offset project impacts. The mitigation design included creating a new pocket beach, placing large woody debris along the shoreline, and enhancing the existing wetland buffer with native trees and shrub vegetation. Anna also led the design of the public park elements, including upland planting design outside of the mitigation areas.

Waverly Beach Park Renovation, City of Kirkland (Washington)

Anna was the project landscape architect and project manager through design and construction administration of this shoreline public park. The project renovated an existing park by restoring a degraded and armored shoreline, improving Americans with Disabilities Act access, and regrading an existing lawn to improve drainage.

Michael Whelan, PE

Role: Geotechnical Lead

MS, Geotechnical Engineering, MIT, 1995; MS, Environmental Engineering, Georgia Institute of Technology, 1992; Professional Civil Engineer, California (No. C69833), as well as Washington, Hawaii, Colorado, and Wisconsin

Michael Whelan has 26 years of experience leading engineering design for capital improvement projects in Southern California. His experience as a civil, environmental, and geotechnical engineer includes management, design, and oversight of coastal remediation, restoration, monitoring, and development projects for sediment and nearshore sites throughout the United States. Michael's extensive experience with dredging design and implementation, coupled with his background in geotechnical and environmental engineering, allows him to develop innovative, cost-effective, and readily constructible designs for projects involving beach nourishment, waterfront cleanup, shoreline slope stabilization, berth deepening, habitat improvement, and material containment and capping.

Project Experience

Colorado Lagoon Restoration, City of Long Beach

Michael was the engineer of record for the initial project phase that removed chemically affected sediments, regraded in-water areas to create suitable shallow-water habitat for eelgrass, recontoured shoreline areas, extended an existing over-water footbridge, and created improved park amenities and public access features. Michael also led Anchor QEA's team of field engineers during construction. For the current phase, Michael is the engineer of record to create an open channel to connect the lagoon with open waters of the adjacent Long Beach Marine Stadium. His responsibilities include formulation of plans, specifications, and cost estimates through development of contractor requirements to manage environmental impacts by segregating different excavated soil types, and development of best management practices to comply with environmental requirements.

Rhine Channel Contaminated Sediment Cleanup, City of Newport Beach

Michael was the engineer for engineering evaluations, preparation of construction bid documents, development of conceptual cost estimates, and review of structural conditions of existing waterside improvements (seawalls and docks). He co-managed daily oversight of all contractor operations including dredging, dock and gangway removals and replacements, and new guide pile installations. This project was completed ahead of schedule and under budget.

Andrée Clark Bird Refuge Improvement Project, City of Santa Barbara

Michael was the lead civil and geotechnical engineer for the restoration of the Andrée Clark Bird Refuge. He developed conceptual grading and dredging plans incorporating site topographic and bathymetric data and accounting for habitat restoration goals and anticipated water quality improvements. He also led geotechnical investigations for regrading and worked closely with project biologists and restoration experts to ensure that the evaluation met City objectives for the project.

India Basin Shoreline Redevelopment, City and County of San Francisco

Michael is the engineer of record for a shoreline redevelopment project south of downtown San Francisco. He is leading engineers and scientists to determine excavation depths and extents, sand cover material types and thicknesses for environmental confinement, and methods of protecting historic structures from excavation work. Michael's team has prepared design drawings and specifications with construction planned for 2021.




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

LICENSING DETAILS FOR: 69833

NAME: WHELAN, MICHAEL PATRICK

LICENSE TYPE: CIVIL ENGINEER

LICENSE STATUS: CLEAR 

ADDRESS

30124 ROAN DR
EVERGREEN CO 80439
OUT OF STATE COUNTY

[MAP](#)

ISSUANCE DATE

MARCH 17, 2006

EXPIRATION DATE

JUNE 30, 2022

CURRENT DATE / TIME

MARCH 12, 2021
11:50:17 AM



BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS



This Is To Certify That Pursuant
To The Provisions of Chapter 7, Division 3 of The Business and Professions Code

Michael Patrick Whelan

IS DULY LICENSED AS A
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

In The State of California, and Is Entitled To All The Rights and
Privileges Conferred In Said Code



WITNESS OUR HAND AND SEAL

Certificate No C 69833

This 17th day of March, 2006, at Sacramento, California.

BOARD FOR PROFESSIONAL
ENGINEERS AND LAND SURVEYORS

Executive Officer

President

Jack Malone, PhD

Role: Permit Compliance Lead

PhD, Biology, UCLA, 2002; BS, Biology/Marine Sciences, University of North Carolina, Chapel Hill, 1995

Jack is a project manager and managing scientist with 18 years of experience specializing in all aspects of permitting and regulation and preparation of state and federal environmental documentation relating to marine development, coastal infrastructure, and habitat restoration. His technical expertise as a marine ecologist and extensive knowledge of the marine and intertidal habitats of Southern California facilitates effective communication between project proponents, stakeholders, and regulatory and resource agencies to efficiently achieve project goals. Jack has managed complex coastal projects for public agencies throughout Southern and Central California, including the cities of Long Beach, Santa Barbara, and Morro Bay. Prior to joining Anchor QEA, Dr. Malone was a regulatory project manager and regional expert for marine affairs for the U.S. Army Corps of Engineers (USACE) Los Angeles District.

Project Experience

Peninsula Beach San Management, City of Long Beach

Jack supported the City of Long Beach in developing sand management alternatives for Peninsula Beach and implementing a pilot study to transport sand more efficiently along the beach. He assisted in drafting a sand management alternatives analysis for the City and a work plan to implement a pilot study to evaluate one of the alternatives. Jack met with regulatory agency staff and negotiated approvals for accomplishing the pilot study under an expedited schedule.

East San Pedro Bay Ecosystem Restoration, City of Long Beach

Jack supports the City of Long Beach by providing peer review of technical studies and environmental documents prepared by USACE for this project, a local/federal partnership to restore ecological functions in San Pedro Bay. As part of this support, Jack meets with City and USACE staff and provides recommendations to them based on his technical and regulatory expertise.

Colorado Lagoon Restoration, City of Long Beach

Jack is supporting restoration of the Colorado Lagoon to establish a mitigation bank by leading the permitting process, supporting ecological restoration design, and supporting the City of Long Beach's regulatory and resource agency negotiations for development of the bank enabling instrument. The initial phase entailed dredging, creating intertidal and subtidal habitat, planting eelgrass and native upland vegetation, a bioswale, and a walking trail. The current phase involves creating an open channel to facilitate water exchange with the adjacent Long Beach Marine Stadium. Jack is managing civil and structural engineering, landscape architecture, and ecological restoration services as well as the permit amendment process and supporting the City's community outreach program.

Leeway Sailing Center, City of Long Beach

Jack supported the City of Long Beach in replacement of the Leeway Sailing Center docks with several critical environmental compliance and regulatory requirements. He managed development of a coastal hazards analysis for the project that was accepted by the California Coastal Commission. He also managed water quality and eelgrass monitoring during construction to comply with permit requirements, attended community and stakeholder meetings, and presented project information to a stakeholder group on behalf of the City.

Adam Gale

Role: Permit Compliance

*BS, Ecology and Systematic Biology, California Polytechnic State University, San Luis Obispo, 2004;
Certification in Geographic Information Systems, University of Washington, Seattle, 2007*

Adam Gale is a managing environmental planner with more than 17 years of environmental planning and permitting experience, including design and construction work. He has experience on projects ranging from small-scale private marina developments to large-scale state transportation projects. His technical knowledge includes National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), California Coastal Act, Clean Water Act, Rivers and Harbors Act, and Essential Fish Habitat and Endangered Species Act regulations. Adam has supported the City of Newport Beach for more than 8 years including serving as the primary point of contact for Anchor QEA's current on-call marine engineering contract; his role includes overseeing individual task orders and providing direct strategic support to evaluate project permitting options such as alternatives to seawall rehabilitation and methods to secure general permits for beach nourishment.

Project Experience

Lakeview Drive Slope Stabilization, City of Huntington Beach

As the permit specialist, Adam conducted research on whether the lake is considered waters of the United States, waters of California, and/or a wetland. He provided input that could be used to help secure the required permits and evaluated potential hurdles and mitigation measures.

On-Call Environmental Services and Regional General Permit 54 Reauthorization, City of Newport Beach

Adam is the project manager and has overseen this work since its inception in 2012 acting as an extension of the City of Newport Beach. The City maintains a Regional General Permit 54 that provides the City and residential and commercial property owners with a more streamlined mechanism to conduct maintenance dredging. Adam led the 2013 and 2017 sediment sampling to demonstrate suitability of the material, secured all regulatory permits, and received approval of a unique City-specific eelgrass mitigation plan that allows property owners to mitigate for eelgrass impacts through a bay-wide approach as opposed to site-specific mitigation requirements. The eelgrass mitigation plan is an innovative approach developed in close coordination with the U.S. Army Corps of Engineers, the California Coastal Commission, the Regional Water Quality Control Board, and the National Marine Fisheries Service. Adam led reauthorization of this permit in 2020 and continues to assist the City.

Marina Park, City of Newport Beach

The Marina Park project included construction of a 24,000-square-foot sailing and community center, a 23-slip visitors' marina, a new Girl Scout House, and revamped tennis and basketball courts. Adam was the environmental compliance manager during all phases of construction, including marina basin and maintenance dredging, and was responsible for negotiating compliance with regulatory agencies prior to, during, and after construction.

Tom Wang

Role: Quality Manager

BS, Civil Engineering, University of Washington, 1990; Professional Engineer, State of Washington; Hazardous Waste Operations and Emergency Response Certified

Tom Wang has more than 33 years of experience managing and designing a diverse range of marine projects, both in the United States and internationally, from the initial planning and permitting stages through design and construction. Unlike traditional coastal engineers, Tom has extensive experience developing innovative solutions that balance the engineering challenges (e.g., safety and stability) when working in the nearshore environment against resource agency objectives to provide greater environmental benefit and sustainable development or restoration. Tom has led the coastal engineering design on several nationally award-winning beach restoration projects.

Project Experience

On-Call Coastal Planning Indefinite Delivery, Indefinite Quantity (IDIQ), USACE, Los Angeles District

Tom was the program manager for this multi-year contract that included marine geotechnical investigations, coastal engineering analyses, water quality monitoring, National Environmental Policy Act (NEPA) review, construction management and environmental compliance support, maintenance dredging design, sediment remediation design, sediment characterization, and programmatic sediment management on multiple Southern California projects. One project, a joint effort by the U.S. Army Corps of Engineers (USACE), the U.S. Navy, and Port Hueneme, won multiple awards, including the 2009 Secretary of Defense Environmental Restoration Team Award.

On-Call Construction Management, Port of Long Beach

Tom has provided technical services for dredging, numerical modeling of sediment transport, water quality evaluation, and oceanographic physical processes evaluation. These efforts were conducted in support of ongoing dredging and confined disposal facility construction projects.

Campbell Shipyard Remediation, Habitat Restoration, and Site Redevelopment, Port of San Diego

Tom was the project manager for a complex cleanup project conducted under a Cleanup and Abatement Order. The site was redeveloped for Hilton Hotel use. The project included seawall repair and replacement, soil cleanup, remedial dredging, habitat restoration, sheet pile wall breakwater, engineered cap, mole pier retrofit, propeller wash and wave erosion protection, shipway demolition, and utility relocation.

On-Call Environmental and Engineering Services, Port of San Francisco

Tom has supported on-call contracts from 2003 to present through roles as contract manager, senior quality assurance/quality control lead, technical advisor, and project manager. He has supported environmental review, permitting, and engineering design for a diverse range of Port of San Francisco maintenance, development, and remediation projects both in aquatic and upland environments. Representative work includes NEPA and California Environmental Quality Act documentation, site investigations, noise and air impacts, habitat surveys, environmental compliance monitoring and reporting, programmatic permitting, climate change analyses, dredging management, site redevelopment, and site remediation.

EXHIBIT "B"

Payment Schedule (Hourly Payment)

A. Hourly Rate

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

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

C. Billing

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

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

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

Exhibit B

Anchor QEA, LLC

JUNE 2021 – JULY 2024 CLIENT BILLING RATES ON-CALL ENGINEERING AND PROFESSIONAL CONSULTING SERVICES CITY OF HUNTINGTON BEACH

Rates Effective Beginning June 1, 2021, through July 31, 2024

LABOR CATEGORIES AND RATE SCHEDULE		
Labor Category	Key Members	Hourly Rates
Principal 2	Randy Mason / Steve Cappellino	\$298.00
Principal 1	David Cannon / Thomas Wang/ Michael Whelan	\$282.00
Senior Manager	Frederic Massabki/ Anna Spooner	\$253.00
Manager	Adam Gale / John (Jack) Malone	\$236.00
Senior Staff		\$211.00
Staff 3	Alyssa Cannon	\$185.00
Staff 2		\$165.00
Staff 1		\$140.00
Senior CAD Designer		\$146.00
CAD Designer		\$122.00
Technician		\$119.00
Senior Technical Editor/ Senior Project Coordinator		\$146.00
Technical Editor/ Project Coordinator		\$117.00

OTHER DIRECT CHARGES			
Charge	Price/Unit	Charge	Price/Unit
CADD (Computer Aided Design and Modeling)	\$10/hour	Graphic Plots (varies with plot size and black & white or color)	\$3-\$6/sf
Mileage (per mile)	Fed IRS Rate	Reproduction - B&W Regular	\$0.15/page
Subcontractors/ Subconsultants	10% Fee	Reproduction - B&W Oversized	\$1.00/page
Travel/ Other Direct Costs	10% Fee	Reproduction - Color Regular	\$1.00/page
In-House Equipment (Rate Schedule)	Attached	Reproduction - Color Oversized	\$1.50/page



ANCHOR QEA, LLC, MAJOR EQUIPMENT RENTAL/LEASE RATE		
Item Description	Rate	Per
Anchor QEA Truck (CA office)	100	day
Small Boat Rental (CA office)	100	day
Digital Camera	5	day
Digital Video Camcorder	25	day
Eckman Dredge	20	day
Field Sampling Gear (sediment)	20	day
Field Sampling Gear (water quality)	5	day
GPS - Handheld	10	day
Hand Auger Rental	50	day
Hydrolab	100	day
Hydrolab	400	week
Hydrolab Data Logger	50	day
Hydrophone	300	day
Laptop for Hydrolab	10	day
Laptop for Hydrolab	40	week
Laser Range Finder	10	day
M-3 In Situ Vane Shear Tester	35	day
Meters (Ph Conductivity Temp)	100	day
Noise Monitors (CA office)	25	day
Oakton DO Meter	30	day
Piston Core Polycarb Tubes (3 inch ID)	60	each
Piston Corer	50	day
Ponar Grab Sampler	50	day
Pump, Peristaltic	75	day
Remote Underwater Video Camera and DVD Recorder Kit	120	day
Sediment Core Sampler (2 inch)	40	day
Sediment Core Polycarbonate Tubes (2 inch ID)	40	each
Van Veen Sampler Rental	50	day
YSI Portable DO/pH Meter (CA office)	40	day
YSI Water Quality Meter	75	day
YSI Water Quality Meter	250	week

The attached summary rate sheet and rate tables shall not be disclosed outside the City of Huntington Beach and shall not be duplicated, used, or disclosed in whole or in part for any purpose other than to evaluate this proposal. If a contract is awarded to this offer or as a result of, or in connection with the submission of this data, the City shall have the right to duplicate, use, or disclose the data to the extent provided in the contract. This restriction does not limit City's right to use information contained in the data if it is obtained from another source without restriction, including the proposer, and/or is already available to the City on an unrestricted basis, and/or is the property of the City.

Bidder's List for Ocean & Engineering - 2021

Company Name	Phone
Anchor QEA	949-347-2780
Coastal Frontiers Corp	818-341-8133
COWI	562-547-3918
GHD Inc	949-385-5218
Moffatt & Nichol	562-590-6500
Tetra Tech	949-809-5120



ANCHQEA-01

WJOHNDROW

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/7/2020

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

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

PRODUCER License # 0C36861 Seattle-Alliant Insurance Services, Inc. 1420 Fifth Ave 15th Floor Seattle, WA 98101	CONTACT NAME: Melanie Kelly PHONE (A/C, No, Ext): FAX (A/C, No):	
	E-MAIL ADDRESS: Melanie.Kelly@alliant.com	
INSURED Anchor QEA, LLC 1201 3rd Ave., Suite 2600 Seattle, WA 98101	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Travelers Indemnity Company of America	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Company of America	
	INSURER D: Lloyd's Syndicate 2623 (Beazley Furlonge Limited)	
	INSURER E:	
INSURER F:		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:


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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input checked="" type="checkbox"/> OTHER: CA #680-4R022246	X		680-004R022572	10/10/2020	10/10/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			BA-0R118959	10/10/2020	10/10/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUP-004R044287	10/10/2020	10/10/2021	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
B	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	UB-4R041906	10/10/2020	10/10/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Prof/Pollution Liab			W11053201101	10/10/2020	10/10/2021	Each Claim 5,000,000
D	Prof Liab/Ded \$250k			W11053201101	10/10/2020	10/10/2021	Aggregate 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 City of Huntington Beach is included as Additional Insured on General Liability policy. 30 days notice of cancellation applies.

CERTIFICATE HOLDER

CANCELLATION

City of Huntington Beach 2000 Main Street Huntington Beach, CA 92648	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

10-10-2020 to 10-10-2021

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. The following is added to SECTION II - WHO IS AN INSURED:

Any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:

- a. Only with respect to liability for "bodily injury", "property damage" or "personal injury": and
- b. If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies, or in connection with premises owned by or rented to you.

The person or organization does not qualify as an additional insured:

- c. With respect to the independent acts or omissions of such person or organization: or
- d. For "bodily injury", "property damage" or "personal injury" for which such person or organization has assumed liability in a contract or agreement.

The insurance provided to such additional insured is limited as follows:

- e. This insurance does not apply on any basis to any person or organization for which coverage as an additional insured specifically is added by another endorsement to this Coverage Part.
- f. This insurance does not apply to the rendering of or failure to render any "professional services".
- g. In the event that the Limits of Insurance of the Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance". This endorsement does not increase the limits of insurance described in Section III - Limits Of Insurance.

- h. This insurance does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.

2. The following is added to Paragraph 4.a. of SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS:

The insurance provided to the additional insured is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover. However, if you specifically agree in the "written contract requiring insurance" that this insurance provided to the additional insured under this Coverage Part must apply on a primary basis or a primary and non-contributory basis, this insurance is primary to other insurance available to the additional insured which covers that person or organizations as a named insured for such loss, and we will not share with the other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs: and
- (2) The "personal injury" for which coverage is sought arises out of an offense committed:

after you have signed that "written contract requiring insurance". But this insurance provided to the additional insured still is excess over valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under any other insurance.

COMMERCIAL GENERAL LIABILITY

3. The following is added to Paragraph 8., **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS**:

We waive any right of recovery we may have against any person or organization because of payments we make for "bodily injury", "property damage" or "personal injury" arising out of "your work" performed by you, or on your behalf, done under a "written contract requiring insurance" with that person or organization. We waive this right only where you have agreed to do so as part of the "written contract requiring insurance" with such person or organization signed by you before, and in effect when, the "bodily injury" or "property damage" occurs, or the "personal injury" offense is committed.

4. The following definition is added to the **DEFINITIONS** Section:

"Written contract requiring insurance" means that part of any written contract under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

- a. After you have signed that written contract;
- b. While that part of the written contract is in effect; and
- c. Before the end of the policy period.

PROFESSIONAL SERVICES CONTRACT BETWEEN
THE CITY OF HUNTINGTON BEACH AND

FOR

Table of Contents

1	Scope of Services	1
2	City Staff Assistance.....	2
3	Term; Time of Performance.....	2
4	Compensation	2
5	Extra Work.....	2
6	Method of Payment.....	3
7	Disposition of Plans, Estimates and Other Documents	3
8	Hold Harmless	3
9	Professional Liability Insurance.....	4
10	Certificate of Insurance.....	5
11	Independent Contractor.....	6
12	Termination of Agreement.....	6
13	Assignment and Delegation	6
14	Copyrights/Patents	7
15	City Employees and Officials	7
16	Notices.....	7
17	Consent	8
18	Modification.....	8
19	Section Headings	8
20	Interpretation of this Agreement.....	8
21	Duplicate Original.....	9
22	Immigration.....	9
23	Legal Services Subcontracting Prohibited	9
24	Attorney's Fees.....	10
25	Survival	10
26	Governing Law	10
27	Signatories.....	10
28	Entirety	10
29	Effective Date.....	11

PROFESSIONAL SERVICE AWARD ANALYSIS

SERVICE: On-Call Ocean & Engineering

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

VENDOR: Moffatt & Nichol

OVERALL RANKING: 1 out of 6

SUBJECT MATTER EXPERTS/RATERS:

1. Principal Civil Engineer 2. Environmental Services Manager 3. Project Coordinator

I. MINIMUM QUALIFICATIONS REVIEW

- Written Proposal Score: Ave. of 83

Moffatt & Nichol – Minimum Qualifications Review		
<u>Criteria</u>	<u>Total Weighted Score</u>	<u>Maximum Score</u>
Proposal Clarity	9	10
Qualifications	25	20
Staffing	25	20
Understanding and Methodology	14	15
References and Background	10	10
Interview (Optional)	-	15
Total	83	100

II. DUE DILIGENCE REVIEW

Moffatt & Nichol – Summary of Review
<ul style="list-style-type: none">• Moffatt & Nichol has worked with City in the past and proposal is clear and concise

Moffatt & Nichol – Pricing
<ul style="list-style-type: none">• Low end from \$94/hr• High end to \$282/hr for Principal Engineer / Scientist

PROFESSIONAL SERVICE AWARD ANALYSIS

SERVICE: On-Call Ocean & Engineering

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

VENDOR: Anchor QEA

OVERALL RANKING: 2 out of 6

SUBJECT MATTER EXPERTS/RATERS:

1. *Principal Civil Engineer* 2. *Environmental Services Manager* 3. *Project Coordinator*

I. MINIMUM QUALIFICATIONS REVIEW

- Written Proposal Score: Ave. of 75

Anchor QEA – Minimum Qualifications Review		
<u>Criteria</u>	<u>Total Weighted Score</u>	<u>Maximum Score</u>
<i>Proposal Clarity</i>	7	10
<i>Qualifications</i>	22	20
<i>Staffing</i>	22	20
<i>Understanding and Methodology</i>	14	15
<i>References and Background</i>	10	10
<i>Interview (Optional)</i>	-	15
Total	75	100

II. DUE DILIGENCE REVIEW

Anchor QEA – Summary of Review
<ul style="list-style-type: none">• Anchor QEA proposal was clear and concise and their overall methodology was easy to understand

Anchor QEA – Pricing
<ul style="list-style-type: none">• Low end from \$112/hr• High end to \$286/hr for Principal

PROFESSIONAL SERVICE AWARD ANALYSIS

SERVICE: On-Call Ocean & Engineering

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

VENDOR: COWI

OVERALL RANKING: 3 out of 6

SUBJECT MATTER EXPERTS/RATERS:

1. Principal Civil Engineer 2. Environmental Services Manager 3. Project Coordinator

I. MINIMUM QUALIFICATIONS REVIEW

- Written Proposal Score: Ave. of 75

COWI – Minimum Qualifications Review		
<u>Criteria</u>	<u>Total Weighted Score</u>	<u>Maximum Score</u>
<i>Proposal Clarity</i>	9	10
<i>Qualifications</i>	22	20
<i>Staffing</i>	22	20
<i>Understanding and Methodology</i>	13	15
<i>References and Background</i>	10	10
<i>Interview (Optional)</i>	-	15
Total	75	100

II. DUE DILIGENCE REVIEW

COWI – Summary of Review
<ul style="list-style-type: none">• COWI proposal is clear and concise and has resources to meet City's project needs.

COWI – Pricing
<ul style="list-style-type: none">• Low end from \$80/hr• High end to \$300/hr for Senior Vice President