

PROFESSIONAL SERVICES CONTRACT BETWEEN  
THE CITY OF HUNTINGTON BEACH AND  
MICHAEL BAKER INTERNATIONAL, INC.  
FOR  
ON-CALL WATER ENGINEERING, WASTEWATER ENGINEERING,  
STORMWATER ENGINEERING AND 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 MICHAEL BAKER INTERNATIONAL, INC., a California corporation hereinafter referred to as "CONSULTANT."

WHEREAS, CITY desires to engage the services of a consultant to provide on-call water engineering, wastewater engineering, stormwater engineering and 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 Jonis Smith, PE 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 3 years from the Commencement Date. The time for performance of the tasks identified in **Exhibit "A"** are generally to be shown in **Exhibit "A."** This schedule may be amended to benefit the PROJECT if mutually agreed to in writing by CITY and CONSULTANT.

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

4. COMPENSATION

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

5. EXTRA WORK

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

6. METHOD OF PAYMENT

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

7. DISPOSITION OF PLANS, ESTIMATES AND OTHER DOCUMENTS

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

8. HOLD HARMLESS

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

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

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

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

9. PROFESSIONAL LIABILITY INSURANCE

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

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

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

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

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

#### 10. CERTIFICATE OF INSURANCE

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

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

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

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

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

11. INDEPENDENT CONTRACTOR

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

12. TERMINATION OF AGREEMENT

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

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

13. ASSIGNMENT AND DELEGATION

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

14. COPYRIGHTS/PATENTS

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

15. CITY EMPLOYEES AND OFFICIALS

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

16. NOTICES

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

TO CITY:

City of Huntington Beach  
ATTN: Andy Ferrigno  
2000 Main Street  
Huntington Beach, CA 92648

TO CONSULTANT:

Michael Baker International, Inc.  
Attn: Jonis Smith, P.E.  
500 Grant Street, Suite 5400  
Pittsburgh, PA 15219

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,

MICHAEL BAKER INTERNATIONAL, INC.

By: [Signature]  
JONIS SMITH  
print name

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

AND

By: [Signature]  
Michael Tyman  
print name

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

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

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk

INITIATED AND APPROVED:  
[Signature]  
Director of Public Works

REVIEWED AND APPROVED:  
\_\_\_\_\_  
City Manager

APPROVED AS TO FORM:  
[Signature]  
City Attorney

## EXHIBIT "A"

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

In general, the Consultant shall perform consulting services on an "on-call" basis for projects assigned by the City. If the Consultant does not have the ability to self-perform all aspects of the scope of services, then the Consultant shall subcontract for those services. The scope of work for any one project may involve all phases of project development and may include but is not limited to the following:

#### A. Water

##### Potable Water Pipeline Engineering

Consultant shall provide experienced personnel, equipment, and facilities to perform the following tasks.

- Preparation of plans, specifications and estimates (PS&E) packages for water pipeline design or other related water improvements.
- Establish pipeline size requirements and limits with City staff. Submit hydraulic calculations signed and stamped by the engineer.
- Soil corrosion potential analysis and cathodic protection system requirements.
- Develop typical cross-sections detailing horizontal and vertical locations of the proposed pipeline alignment; include limits of ROW (existing and future), State Water Resources Control Board (SWRCB) division of drinking water and other separation requirements, pavement limits, surface improvements, traffic striping, travel lane limits, existing and other proposed utilities, existing and proposed easements, etc.
- Develop and execute potholing plan specific to the project.
- Select pipe material, class or thickness, linings and coatings, joint design, thrust restraint, bedding and compaction requirements, etc.
- Determine location, type and sizing of blow offs, air valves, isolations valves and other appurtenances.
- Provide construction support services.
- Provide Development Review Water Plan Check Services.
- Provide record drawings.

##### Potable Water (Production), Wells, Reservoirs, and Pressure Regulating Facilities

Consultant shall provide experienced personnel, equipment, and facilities to perform the following tasks.

- Preparation of PS&E packages for water production infrastructure including but not limited to wells, reservoirs, pressure control stations, turnouts and metering.
- Establish facility sizing requirements and limits with City staff. Submit hydraulic calculations including system curve development, pump selection, pipe and appurtenance sizing, reservoir floor and high water elevations (etc.), and transient evaluation signed and stamped by the engineer.

- Preliminary Design Report. Prepare a preliminary design report (PDR) which includes all of the design assumptions, materials and evaluation of alternatives for the project in a cost effective manner. During the PDR development, the Consultant shall keep City informed of the basic design decisions as they are made and shall seek the City's input. The Consultant shall document all decisions in the report.
- Provide survey, structural, mechanical and architectural design services.
- Provide electrical, control and SCADA design services.
- Perform preliminary siting, grading and alignment evaluations and recommend preferred sites and alignment(s).
- Provide environmental and other regulatory permitting requirements.
- Develop site plans, yard piping plans and sections, building layouts, mechanical plans and sections, tank plans and orientation drawings.
- Provide construction support services.
- Provide record drawings

#### Potable Water Master Plan Update and Water Financial Plan Update

Consultant shall provide experienced personnel, equipment, and facilities to perform the following tasks.

- Preparation of water master plan
- Preparation of water master plan financial plan update

#### B. Wastewater (Sanitary Sewer):

Consultant shall provide experienced personnel, equipment, and facilities to perform the following tasks.

- Preparation of PS&E packages for wastewater system infrastructure including but not limited to pipelines, lift stations, force mains, hydraulic calculations, mechanical, electrical and control, structural, etc. for review and comment to the City or other related improvements.
- The City plans on replacing one wastewater lift station per year, so an emphasis on this type of project experience is recommended.
- Establish pipeline size requirements and limits with City staff.
- Conduct preliminary alignment evaluations and recommend preferred alignment(s).
- Conduct site and field investigations to verify locations of existing and proposed facilities.
- Provide utility and agency coordination.
- Develop and execute potholing plan specific to the project.
- Select pipe material, class or thickness, linings and coatings, joint design, bedding and compaction requirements, etc.
- Determine location, type and sizing of manholes.
- Develop project specific details and specifications for all points of connection including materials, transitions, phasing, and/or bypass requirements.
- Provide construction support services.

- Provide record drawings.

#### Wastewater Master Plan Update

Consultant shall provide experienced personnel, equipment, and facilities to perform the following tasks.

- Preparation of wastewater master plan update

#### C. Stormwater:

Consultant shall provide experienced personnel, equipment, and facilities to perform the following tasks.

- Preparation of PS&E packages for stormwater system infrastructure including but not limited to pipelines, pump stations, force mains, hydraulic calculations, mechanical, electrical and control, structural, etc. for review and comment to the City or other related improvements.

#### B. CONSULTANT'S DUTIES AND RESPONSIBILITIES:

1. Respond to a request for a task order for a project as defined by the City. Provide a time and materials cost proposal to the City to complete the task order. The time and material quote shall be based upon the Payment Schedule provided within Exhibit B.

2. Provide experienced personnel, equipment, and facilities to complete the task orders in accordance with the time and material cost proposal.

#### C. CITY'S DUTIES AND RESPONSIBILITIES:

1. Furnish a task order or scope of work request and provide general direction as needed for each project assigned.

2. Furnish available record drawings of existing facilities within the City's jurisdiction.

3. Furnish templates of construction plans and specifications acceptable to the City.

#### D. WORK PROGRAM/PROJECT SCHEDULE:

As this is an on call and as needed professional service contract, there is no defined schedule.



# MICHAEL BAKER

## HOURLY RATE SCHEDULE

Effective January 1, 2021 through June 30, 2024 for City of Huntington Beach

<b>OFFICE PERSONNEL</b>	<b>\$/ Hr</b>
Principal/Program Manager	\$300.00
Senior Project Manager	\$285.00
Senior Structural Manager	\$250.00
Senior Technical Manager	\$240.00
Project Manager	\$240.00
Structural Engineer	\$235.00
Technical Manager	\$225.00
Senior Electrical Engineer	\$225.00
Senior Civil Engineer	\$210.00
Senior Planner/Senior Survey Analyst	\$200.00
Electrical Engineer	\$200.00
Landscape Architect	\$185.00
Senior GIS Analyst	\$185.00
Project Engineer	\$180.00
Project Planner	\$180.00
Senior CAD Designer	\$175.00
Environmental Specialist	\$175.00
Assistant Engineer/Survey Analyst	\$170.00
GIS Analyst	\$155.00
Associate Engineer/CAD Designer/Planner	\$150.00
Project Coordinator	\$140.00
Graphic Artist	\$125.00
Environmental Analyst/Staff Planner	\$125.00
Design Technician	\$125.00
Assistant Planner	\$120.00
Permit Processor	\$110.00
Engineering Aid/Planning Aid	\$105.00
Office Support/ Clerical	\$80.00
<b>FIELD PERSONNEL</b>	
2-Person Survey Crew	\$310.00
1-Person Survey Crew	\$200.00
Licensed Surveyor	\$220.00
Field Supervisor	\$210.00

# MICHAEL BAKER

<b>CONSTRUCTION MANAGEMENT PERSONNEL</b>	
Principal Construction Manager	\$290.00
Senior Construction Manager	\$251.00
Construction Manager	\$220.00
Resident Engineer/Contract Manager	\$186.00
Construction Inspector	\$180.00
Field Office Engineer	\$164.00
Construction Coordinator	\$120.00
Contract Support	\$98.00

**Notes:**

[1] Blueprinting, reproduction, messenger service and other direct expenses will be charged as an additional cost plus 5%. A Sub-consultant Management Fee of five percent (5%) will be added to the direct cost of all sub-consultant services to provide for the cost of administration, sub-consultant consultation and insurance. Vehicle mileage will be charged as an additional cost at the IRS-approved rate.

[2] For field and construction management personnel, overtime rates at 1.5 times the regular rate will be charged for work performed outside normal construction hours and all day on Saturdays, and 2.0 times the regular rate in excess of 12 hours per day and on Sundays.



**HOURLY RATE SCHEDULE**

Standard Fees effective January 2020.

<b><u>Professional Staffing</u></b>		<b><u>Cost</u></b>
		<b>(per hour unless otherwise noted)</b>
P100	Principal Professional Engineer .....	\$ 200
P101	Senior Geotechnical Engineer.....	\$ 185
P102	Project Engineer / Manager.....	\$ 160
P103	Geologist .....	\$ 170
P104	Quality Control Manager .....	\$ 160
P105	Senior Staff Engineer .....	\$ 155
P116	Health and Safety Officer .....	\$ 185
P115	LA City Deputy Methane Specialist .....	\$ 135
P107	Laboratory Manager .....	\$ 120
P108	Laboratory Technician.....	\$ 105
P109	CADD Operator/Draftsperson.....	\$ 85
P110	Data Processing, Technical Editing or Reproduction.....	\$ 85
P111	Expert Witness Testimony.....	\$ 420
P112	Certified Payroll, per hr. ....	\$ 155
P113	Senior Staff Environmental Engineer .....	\$ 155
P114	Senior Environmental Engineer .....	\$ 185

<b><u>Field Technician</u></b>		<b><u>Cost (per hour)</u></b>
T150	Special Inspector (Reinforced Concrete, and Masonry) .....	\$ 115
T151	Special Inspector (Structural Steel, Drilled-In-Anchors .....	\$ 115
T152	Special Inspector for Welding .....	\$ 115
T153	DSA Class I Inspector .....	\$ 135
T154	DSA Class II Inspector .....	\$ 125
T155	Special Inspector for Fireproofing.....	\$ 115
T156	Special Inspector Load Tests or Torque/Bolt).....	\$ 115
T157	Special Inspector Rebar Sample.....	\$ 115
T158	Special Inspector Pachometer .....	\$ 115
T159	Senior Asphalt Placement Technician .....	\$ 115
T160	Asphalt Placement Technician.....	\$ 115
T161	Asphalt/Concrete Plant Technician.....	\$ 115
T162	ACI/Caltrans Technician .....	\$ 115
T163	Senior Soils Technician .....	\$ 115
T164	Senior Grading Inspector .....	\$ 120
T165	Staff Grading Inspector.....	\$ 115
T166	Soils Technician.....	\$ 115
T167	Pile Driving Inspector .....	\$ 125
T168	AWS Certified Welding Inspector.....	\$ 115

T169	NACE Coating Inspector.....	\$ 135
T170	Field Coring Technician.....	\$ 115
T171	Nondestructive Examination Technician, UT, MT, LP.....	\$ 120
T172	Structural Steel Fabrication Inspector (AWS) .....	\$ 120
T177	Senior Environmental Technician .....	\$ 125
T178	Environmental Technician .....	\$ 120
T179	Building Inspector .....	\$ 130

**Fabrication Shop Inspections**

**Cost (per hour)**

T173	Structural Steel Inspector (ICC/CBO) .....	\$ 115
T174	Structural Steel Inspector (AWS) .....	\$ 115
T175	Batch Plant Quality Control Technician/Inspector .....	\$ 115
T176	Reinforced Concrete, Prestressed Inspector .....	\$ 115

**Field Inspector/Technician Hours**

No Work Performed (Work Cancelled)..... Minimum 2-hour Charge  
 All field services charge .....Minimum 4 and 8-hour Charge Thereafter

**Regular Work Hours**

First 8 hours, Monday through Friday, between 5:00 a.m. to 5:00 p.m.

Direct Project expenses outside services will be charged at Cost + 15%.

**Time and One-Half**

Any increment past first 8 hours through 12 hours, Monday through Friday

First 12 hours on Saturday

Shift between 3:00 a.m. and 5:00 a.m.

**Double Time**

Any hours past 12 hours Monday through Saturday, all day Sunday and Federal Holidays

**Field Analysis**

**Cost**

(per hour unless otherwise noted)

G200	Soil Boring with Hollow Stem Auger Drilling Portal to Portal, per hour .....	\$ 395
G201	Backfill Boreholes with Bentonite, per foot .....	\$ 25
G202	Backfill Boreholes with Grout, per foot .....	\$ 35
G203	Drumming and Disposal of Clean Cuttings, per drum .....	\$ 390
G204	Fire Water Buffalo, per day .....	\$ 550
G205	Support Truck, per day .....	\$ 150
G206	Water Truck, per day .....	\$ 450
G207	Mobilization and Demobilization for Rock coring, each .....	\$ 1150
G208	Rock Coring, per hour .....	\$ 455
G209	Decontamination of Vehicle and Equipment, each.....	\$ 300
G210	Field Resistivity, up to 3 arrays, maximum distance of 40 ft., each .....	\$ 1,800
G211	Environmental Soil Boring with Hollow Stem Auger Portal to Portal, per hour ....	\$ 425

G212	Environmental Soil Boring with Direct Push Portal to Portal, per hour .....	\$ 380
G213	Environmental Groundwater Sampling with Grundfos, Portal to Portal, per hr ...	\$ 275
G214	Environmental Analysis of soil for waste classification, per sample .....	\$ by quote
G215	Environmental Analysis of liquid for waste classification, per sample .....	\$ by quote
G216	Ground Resistance Tester (Four Point Method), plus travel .....	\$ 1,700
G217	Potholing, two-man crew, per hour .....	\$ 575

**Mix Design Review**

**Cost**

D250	Review of Concrete Mix Design .....	\$ 160
D251	Review of Grout Mix Design .....	\$ 160
D252	Review of Mortar Mix Design .....	\$ 160
D253	Review of Asphalt Mix Design.....	\$ 200

**Sample Pick-Up/Hold**

**Cost**

All hold samples are charged at the same rate as the testing rate

U303	Technician for Specimen pick up, minimum 2 hours, per hour .....	\$ 105
U304	Vehicle, per trip (Up to 100 miles) .....	\$ 70

**Field Equipment Charges**

**Cost**

E350	Brass Mold, each.....	\$ 20
E351	Concrete Air Meter, per day .....	\$ 50
E352	Concrete Unit Weight (Scale, Bucket, Rod and Mallet), per day.....	\$ 30
E353	Field Vehicle Usage, per trip (Up to 100 miles).....	\$ 70
E354	Concrete/Asphalt Coring Equipment rental per hr, min 4 hrs and 8 hrs after.....	\$ 190
E355	Fireproofing Adhesion/Cohesion, per test .....	\$ 20
E356	Hand Auger Equipment, per day.....	\$ 125
E357	Level D Personal Protective Equipment (PPE), per person per day .....	\$ 40
E358	Liquid Penetrating Consumables, per day .....	\$ 30
E359	Magnetic Particle Equipment and Consumables, per day .....	\$ 40
E360	Ultrasonic Equipment and Consumables, per day .....	\$ 65
E361	Nuclear Density Gauge Usage, per hour.....	\$ 18
E362	Compaction Test, per location/per test .....	\$ 20
E363	Portable Concrete Laboratory-not including Technicians, per day .....	\$ by quote
E364	Pachometer (Rebar Locator), per day .....	\$ 55
E365	Environmental PID Usage, per day.....	\$ 190
E366	Pull Test Equipment, per day.....	\$ 70
E367	Sand Cone Test Kit (Scale, Burner, Sand Cone Apparatus), per day.....	\$ 170
E368	Schmidt Hammer, per day.....	\$ 50
E369	Torque Wrench, Small, per day .....	\$ 20
E370	Torque Wrench, Large, per day .....	\$ 35
E371	Torque Multiplier (Skidmore), per day .....	\$ 90
E372	Miscellaneous Equipment Charge.....	\$ by quote
E373	Vapor Emission Kit, each .....	\$ 55

E374	Field Resistivity Meter, per day .....	\$ 225
E375	Water Level Meter, per day .....	\$ 75
E376	Environmental ph/Turbidity/Conductivity/Temp Meter, per day .....	\$ 105
E377	Environmental FID Usage, per day .....	\$ 105
E378	Environmental groundwater sampling pump per day .....	\$ 205
E379	XRF Lead Analyzer, per day .....	\$ 125
E380	Relative Humidity Probe, per day .....	\$ 70

### Schedule of Fees for Laboratory Services

<u>Concrete Tests</u>		<u>Cost (per test)</u>
C400	6" x 12" Cylinder: Compression Strength (ASTM C39) .....	\$ 25
C401	6" x 6" x 18" Flexural Beams Not Exceeding Referenced Size (ASTM C78, C293, or CTM 523) .....	\$ 80
C402	Cylinders: Splitting Tensile Strength (ASTM C496).....	\$ 80
C403	Core Compression (ASTM C39).....	\$ 50
C404	Coring of Test Panels in Lab, each.....	\$ 25
C405	Diamond Sawing of Cores or Cylinders (ASTM C642).....	\$ 25
C406	Density, Absorption, and Voids in Hardened Concrete (ASTM C642) .....	\$ 300
C407	Modulus of Elasticity Static Test (ASTM C469) .....	\$ 125
C408	Unit Weight Including Lightweight Concrete .....	\$ 65
C409	Drying Shrinkage Up to 28 Days: Three 3" x 3" or 4" x 4" Bars, Five Readings up to 28 Dry Days (ASTM C157).....	\$ 375
C410	Additional Reading, Per Set of Three Bars.....	\$ 45
C411	Storage Over Ninety (90) Days, Per Set of Three Bars, Per Month .....	\$ 35
C435	Coefficient of Thermal Expansion of Concrete (CRD 39, AASHTO T336) .....	\$ 800
C436	Compression Test (ASTM C495 and C472).....	\$ 45
C437	Air Dry Density (ASTM C472) .....	\$ 35
C438	Oven Dry Density (ASTM C495) .....	\$ 60
C439	Sample Trimming in the lab, up 6" diameter .....	\$ 20

<u>Concrete Block, ASTM C140</u>		<u>Cost (per test)</u>
C412	Compression (3 Required Per ASTM), each .....	\$ 60
C413	Absorption/Moisture Content/Oven Dry Density (3 Required per ASTM), each ...	\$ 90
C414	Linear/Volumetric Shrinkage (ASTM C426) .....	\$ 100
C415	Web and Face Shell Measurements.....	\$ 45
C416	Tension Test.....	\$ 170
C417	Core Compression.....	\$ 55
C418	Shear Test of Masonry Cores: 2 Faces.....	\$ 90
C419	Efflorescence Test (3 Required), each .....	\$ 55

**Laboratory Trial Batch: Cement, Concrete, Grout and Mortar**

**Cost (per test)**

L450 All trial batch for cement, concrete, grout, mortar, etc ..... \$ by quote

**Brick Masonry Tests**

**Cost (per test)**

M500 Modulus of Rupture: Flexural (5 Required Per ASTM), each ..... \$ 55  
 M501 Compression Strength (3 Required Per ASTM), each ..... \$ 50  
 M502 Absorption: 5 Hour or 24 Hour (5 Required), each ..... \$ 50  
 M503 Absorption (Boil): 1, 2, or 5 Hours (5 Required), each ..... \$ 80  
 M504 Initial Rate of Absorption (5 Required), each ..... \$ 40  
 M505 Efflorescence (5 Required), each ..... \$ 85  
 M506 Core: Compression, each ..... \$ 70  
 M507 Shear Test on Brick Core: 2 Faces, each ..... \$ 90

**Masonry Prisms** .....

**Cost (per test)**

M508 Compression Test: Composite Masonry Prisms Up To 8" x 16" ..... \$ 200  
 M509 Compression Test: Composite Masonry Prisms Larger Than 8" x 16" ..... \$ 290  
 M510 Masonry: Cutting of Cubes or Prisms ..... \$ 70

**Mortar and Grout**

**Cost (per test)**

M511 Compression: 2" x 4" Mortar Cylinders ..... \$ 45  
 M512 Compression: 3" x 3" x 6" Grout Prisms, Includes Trimming ..... \$ 60  
 M513 Compression: 2" Cubes (ASTM C109)..... \$ 60  
 M514 Compression: Cores (ASTM C42) ..... \$ 60  
 M515 Mortar Expansion (ASTM C806)..... \$ 300

**Fireproofing Tests**

**Cost (per test)**

F550 Oven Dry Density ..... \$ 75  
 F551 Adhesion/Cohesions Testing, per hour, 4 hour minimum ..... \$ 120

**Gunite and Shotcrete Tests**

**Cost (per test)**

C420 Core Compression Including Trimming (ASTM C42) ..... \$ 60  
 C421 Compression 6" x 12" Cylinders ..... \$ 35  
 C422 Compression: Cubes ..... \$ 40

**Soils and Aggregate Tests**

**Cost (per test)**

S600 Atterberg Limits/Plasticity Index (ASTM D4318)..... \$ 140  
 S601 Chloride and Sulfate Content (CTM 417, CTM 422) ..... \$ 145  
 S602 Consolidation, Full Cycle (ASTM 2435, CTM 219) ..... \$ 275  
 S603 Cleanness Value: 1" x #4 (CTM 227)..... \$ 185  
 S604 Cleanness Value: 2.5" x 1.5" or 1.5" x .75" (CTM 227) ..... \$ 295

S605	Corrosivity Series: Sulfate, Cl, pH (CTM 643 and 417).....	\$ 200
S606	Lab Resistivity .....	\$ 125
S607	Direct Shear Test (ASTM D3080).....	\$ 255
S608	Direct Shear Test, per point.....	\$ 110
S609	Direct Shear Test Sample Remolding (ASTM D3080) .....	\$ 45
S610	Durability Index Fine Aggregate.....	\$ 160
S611	Expansion Index (ASTM D4829, UBC 18-2).....	\$ 155
S612	Durability Index: Coarse Aggregate.....	\$ 160
S613	Maximum Density: Methods A/B/C (ASTM D1557 or D698, CTM 216).....	\$ 185
S614	Maximum Density: Check Point abrasion (ASTM D1557).....	\$ 75
S615	Maximum Density: AASHTO C (Modified) (AASHTO T-180).....	\$ 200
S616	Moisture Density Rock Correction .....	\$ 160
S617	Moisture Content (ASTM D2216, CTM 226) .....	\$ 25
S618	Density: Ring Sample (ASTM D2937).....	\$ 30
S619	Density: Shelby Tube Sample (ASTM D2937).....	\$ 55
S620	Organic Impurities (ASTM C40).....	\$ 95
S621	Failing Head Permeability (ASTM D2434).....	\$ 250
S622	R-Value: Soil (ASTM 2844) .....	\$ 355
S623	R-Value: Aggregate Base (ASTM D2844) .....	\$ 355
S624	Sand Equivalent (ASTM D2419, CTM 217).....	\$ 130
S625	Soil Classification (ASTM D2487).....	\$ 35
S626	Sieve #200 Wash Only (ASTM D1140).....	\$ 95
S627	Sieve with Hydrometer: Sand to Clay (ASTM D422).....	\$ 290
S628	Sieve Analysis including Wash (ASTM C136).....	\$ 170
S629	Sieve Analysis Without Wash.....	\$ 120
S630	Specific Gravity and Absorption: Coarse (ASTM C127, CTM 202) .....	\$ 95
S631	Specific Gravity and Absorption: Fine(ASTM C128, CTM 207) .....	\$ 160
S632	Swell/Settlement Potential: One Dimensional (ASTM D4546) .....	\$ 165
S633	Unit Weight Coarse Aggregate .....	\$ 80
S634	Unit Weight Fine Aggregate.....	\$ 80
S635	Voids in Aggregate (ASTM C29) .....	\$ 90
S636	Unconfined Compression (ASTM D2166, CTM 221).....	\$ 100
S637	LA Rattler .....	\$ 195
S638	pH of soil.....	\$ 25
S639	Pocket Penetration Test .....	\$ 10

**Asphalt Concrete Tests**

**Cost (per test)**

A650	Asphalt Core Density.....	\$ 60
A651	Extraction % AC by Ignition Oven (CTM 382) .....	\$ 175
A652	Gradation on Extracted Asph (ASTM D6507 and D5444, CTM 202, and CTM 382) .....	\$ 100
A653	Moisture Content (CTM 370).....	\$ 75
A654	Maximum Theoretical Specific Gravity (RICE) (ASTM D2041, CTM 309) .....	\$ 160
A655	Specific Gravity and Absorption: Coarse (ASTM C127, CTM 206) .....	\$ 90

A656	Specific Gravity and Absorption: Fine (ASTM C128, CTM 207) .....	\$ 160
A657	Sieve Analysis (ASTM D5444 and C136) .....	\$ 95
A658	Sieve Analysis with Wash (ASTM D5444) .....	\$ 140
A659	Sand Equivalent (ASTM D2419) .....	\$ 135
A660	5 pt LTMD Bulk Specific Gravity (CTM 308, CTM 375).....	\$ 285
A661	Flat and Elongated Particles (ASTM D4791) .....	\$ 210
A662	Fine Aggregate Angularity (AASHTO T304 A).....	\$ 195
A663	Maximum Density HVEEM (ASTM D1560).....	\$ 210
A664	Maximum Density Marshall (ASTM D1559 and D561) .....	\$ 210
A665	Mix Stability (CTM 304) .....	\$ 210
A668	Wet track Abrasion Loss (ASTM D3910), each.....	\$ 175
A669	Extraction % of Emulsion (ASTM D6307) .....	\$ 155
A670	Slurry seal field consistency test (ASTM D3910) .....	\$ 85

**Reinforcing Steel**

**Cost (per test)**

R700	Bend Test: #11 or Smaller.....	\$ 65
R701	Bend Test: Larger Than # 11 .....	\$ 95
R702	Tensile Test: # 11 or Smaller .....	\$ 85
R703	Tensile Test: # 14.....	\$ 115
R704	Tensile Test: # 18.....	\$ 180
R705	Slippage Test In Addition to Tensile Test (Per Caltrans 52-1.08C) .....	\$ 190
R706	Tensile Test: Mechanical Splice # 11 and Smaller .....	\$ 120
R707	Tensile Test: Mechanical Splice # 14 .....	\$ 170
R708	Tensile Test: Mechanical Splice # 18 .....	\$ 205
R709	Tensile Test: Welded # 11 and Smaller.....	\$ 85
R710	Tensile Test: Welded # 14.....	\$ 115
R711	Tensile Test: Welded # 18 .....	\$ 180
R712	Sample Straightening for Bend or Tensile Test (if required).....	\$ 60
R713	Testing Multi-Wire Steel Prestressing Strand .....	\$ 280
R714	Tensile Test: T-Head #11 and Smaller .....	\$ 150
R715	Tensile Test: T-Head #14 .....	\$ 200
R716	Tensile Test: T-Head #18 .....	\$ 255
R717	Tensile Test: Welded Hoops # 11 and Smaller.....	\$ 120
R718	Tensile Test: Welded Hoops # 14.....	\$ 170

**Metal Testing**

**Cost (per test)**

R714	Hardness Test (Rockwell) and Brinell (ASTM E18) .....	\$ 75
R715	Hardness Test of Nuts .....	\$ 85
R716	Hardness Test of Bolts.....	\$ 100
R717	Hardness Test of Washers.....	\$ 85

**Concrete Coring Services**

**Cost (per test)**

C423	Equipment Concrete (4 and 8 hour minimum), per hour .....	\$ 200
Individual Core Prices (all prices are for a four core minimum job):		
C424	Slab on Grade Coring for 2",3" and 4" Diameter (first 6" depth) each .	\$ 70
C425	Slab on Grade Coring for 6" and 8" Diameter (first 6" depth) each.....	\$ 75
C426	Slab on Grade Concrete Core (price per inch after 6" depth).....	\$ 10
C427	Wall Cores 2",3" and 4" (first 6" in depth) each .....	\$ 85
C428	Wall Concrete Core (price per inch after 6" in depth), per inch .....	\$ 10
(Wall core pries based on Contractor supplying access to area to be cored)		
Miscellaneous Concrete Coring Prices:		
C429	Patching Slab on Grade Cored Holes with 2500 psi Concrete Patch, each .....	\$ 20
C430	Thickness Determination per ASTM C42, each.....	\$ 20
C431	Compression Strength Determination .....	\$ 65

**Asphalt Concrete Coring Services**

**Cost (per test)**

Alternate Individual Core Prices (all prices are for a four core minimum job):		
A661	Asphaltic Concrete Cores 2",3" and 4" Diameter (First 6" in depth), each .....	\$ 70
A662	Asphaltic Concrete Cores 6" and 8" Diameter (First 6" in depth), each .....	\$ 70
A663	Asphaltic Concrete Cores price per inch after 6" in depth, each .....	\$ 10
Miscellaneous Asphaltic Coring Prices:		
A664	Patching of Core Drilled Holes Using Cold Patch Material, each .....	\$ 30
A665	Thickness Determination per ASTM C42, each.....	\$ 35
A666	Specific Gravity for Determination of Percent Compaction per ASTM D 2726, each .....	\$ 45
A667	Specific Gravity for Determination of Percent Compaction by Paraffin, each.....	\$ 65

**Environmental Tests**

**Cost (per test)**

N800	Asbestos Polarized Light Microscopy (PLM) 3-Day Turnaround, each .....	\$ 20
N801	Asbestos Polarized Light Microscopy (PLM) 24-Hour Turnaround, each .....	\$ 40
N802	Asbestos Polarized Light Microscopy (PLM) 8-Hour Turnaround, each .....	\$ 70



# BOUDREAU PIPELINE CORP.

## HOURLY RATE SCHEDULE

Prevailing Wage - Rental/T&M rates for Labor, Equipment and Tools (P&O included) effective 4/1/20.

<b>NON-OPERATED</b>				<u>REGULAR</u>	<u>OVERTIME</u>
180K EXCAVATOR	\$383.00	HR	SUPERINTENDENT	\$138.00	\$184.00
150K EXCAVATOR	\$328.00	HR	FOREMAN	\$126.00	\$168.00
100K EXCAVATOR (460)	\$202.00	HR	OPERATOR	\$119.00	\$158.00
80K EXCAVATOR (330)	\$145.00	HR	OILER	\$98.00	\$132.00
60K EXCAVATOR (290)	\$112.00	HR	PIPELAYER	\$98.00	\$132.00
50K EXCAVATOR	\$103.00	HR	LABORER	\$92.00	\$122.00
135 ZERO SWING EXC	\$103.00	HR	CERTIFIED WELDER	\$161.00	\$216.00
D35 MINI-EX	\$83.00	HR			
WHEEL LOADER 4YD Z80	\$137.00	HR			
WHEEL LOADER 3YD Z70	\$115.00	HR	<u>MISCELLANEOUS</u>		
CAT 420 BACKHOE	\$94.00	HR	COMPRESSOR W/ TOOLS	\$207.00	DY
500 GAL VERMEER VAC-TRAILER	\$144.00	HR	WALK-BEHIND ASPH. ROLL	\$141.00	DY
FORKLIFT TELEHANDLER	\$72.00	HR	WACKER/TAMPER	\$91.00	DY
DOZER	\$90.00	HR	VIBRAPLATE	\$91.00	DY
SKIDSTEER	\$79.00	HR	GENERATOR	\$136.00	DY
AZ-500 ZIPPER	\$207.00	HR	GRIZZLY SCREEN	\$150.00	DY
SKIDSTEER GRINDER	\$102.00	HR	CEMENT MIXER	\$40.00	DY
SWEEPER	\$52.00	HR	LIGHT TOWER	\$81.00	DY
COMPACTION WHEEL (EX)	\$184.00	DY	MANHOLE BLOWER	\$69.00	DY
COMPACTION WHEEL (BH)	\$167.00	DY	HYDRO TEST PUMP	\$173.00	DY
			BALLING EQUIPMENT	\$97.00	DY
10-WHEEL DUMP	\$83.00	HR	FIRE HOSE	\$23.00	DY
6YD DUMP TRUCK	\$64.00	HR	LEAK LOCATING EQUIP	\$213.00	DY
2250 GAL WATER TRUCK	\$56.00	HR	WELDING TANKS	\$64.00	DY
			1"&2" HOT TAP	\$144.00	DY
CREW TRUCK W/ TOOLS	\$48.00	HR	CORING MACHINE	\$156.00	DY
P.U. TRUCK W/ TOOLS	\$36.00	HR	2" TRASH PUMP	\$87.00	DY
<u>TRAFFIC CONTROL</u>					
ARROWBOARD	\$161.00	DY			
CONES/SIGNS HEAVY	\$161.00	DY			
CONES/SIGNS LIGHT	\$110.00	DY			

### SHORING

ALL RATES PER OUTSIDE SOURCE

\*ALL EQUIPMENT SUBJECT TO 2HR MOVE ON (MIN.). EXCAVATORS & HEAVY EQUIPMENT SUBJECT TO 8HR FIRST DAY MINIMUM.

\* ALL EQUIPMENT & LABOR SUBJECT TO 4HR MINIMUM.

\* ALL EQUIPMENT & TOOLS SUBJECT TO DELIVERY CHARGES AS APPLICABLE.

463 N. Smith Ave. \* Corona, CA 92880 \* CaLic.# 791842  
951-493-6780 \* Fax 951-493-6781

## 2021 FEE SCHEDULE

### PERSONNEL CHARGES

The charge for all time required for the performance of the Scope of Work, including office, field and travel time, will be billed at the hourly rate according to the labor classifications set forth below:

Labor Classification	Hourly Rate
Jr. Staff Engineer/Geologist/Scientist	\$120
Staff Engineer/Geologist/Scientist	\$140
Sr Staff Engineer/Geologist/Scientist	\$155
Project Engineer/Geologist/Scientist - I	\$180
Project Engineer/Geologist/Scientist - II	\$190
Sr Project Engineer/Geologist/Scientist - I	\$205
Sr Project Engineer/Geologist/Scientist - II	\$225
Principal Geologist	\$250
Principal	\$250
Project Assistant	\$105
Technician	\$105
Drafter	\$130
Sr Technician	\$130
Compliance Inspector	\$125
Technician GIS/Technology	\$110
Analyst GIS/Technology	\$120
Sr Analyst GIS/Technology	\$130
Specialist GIS/Technology	\$140
Sr Specialist GIS/Technology	\$150
Supervisor GIS/Technology	\$165
Director/GIS Technology	\$180
Construction Technician	\$95
Construction Field Supervisor	\$115
Construction Manager	\$120
Sr Construction Manager	\$145
Technical Editor	\$115

Emergency response will be charged at a rate of 1.5 times the standard hourly rate.

When EEC Staff appear as expert witnesses at court trials, mediation, arbitration hearings and depositions, their time will be charged at 2.0 times the standard rate. All time spent preparing for such trials, hearings, and depositions, will be charged at the standard hourly rate.

### Travel

Vehicles used on project assignments will be charged at \$75 per day. Mileage is billed at the current rate established by the Internal Revenue Service plus mark up. Per Diem is billed at a unit cost of \$60 per day. Airfare, lodging, rental cars and associated expenses are billed at cost plus 15%.

### Field Equipment

Field Equipment is billed at standard unit costs. Rate schedules are available upon request.

### Subcontractors and Reimbursables

The costs of subcontractors, materials, equipment rental and costs incurred will be charged at cost plus 15%.

### Other Project Charges

The cost of additional report reproduction and special project accounting will be billed as appropriate. Plotting plans are charged by size, black and white or color, and by the number of copies supplied.

### Shipping and Postage

Shipping charges include couriers and the postage necessary will be charged at cost plus 15%.

### Interest Charges

Interest on late payments will be charged at the rate of 1.5% per month.

### Payment Terms

Net 30 days apply to all work performed and invoiced unless superseded by a specific executed contract.

*This Fee Schedule is adjusted each subsequent year to reflect the economic changes for the new year. The new schedule will apply to existing and new assignments.*

## HOURLY RATE SCHEDULE

**Project:** City of Huntington Beach On-Call Water Engineering, Wastewater Engineering, Stormwater Engineering & Professional Consulting Services

**Date:** December 15, 2020

Below is a listing of standard hourly rates for these services. Projects requiring on-site assistance will be invoiced at the rates below with travel expenses invoiced at cost.

Engineering	\$ 120.00 per hour
Drafting	\$ 80.00 per hour
Clerical	\$ 50.00 per hour
On-Site Assistance	\$ 180.00 per hour

Transient studies typically include pump shutdown scenarios both with and without surge control. Using SURGE software, the results are presented in text and graphical formats. To accurately model the transients created on sudden shutdown and the performance of surge control equipment, the following hydraulic design data should be available:

1. Inside diameter and material of proposed piping.
2. Pipeline profiles including lengths and elevations.
3. Pump curves, design flow rates and nodal demands
4. Reservoir level elevations
5. Pump discharge valve type/closing speed

Pressure surges are created in pipelines whenever a sudden change in flow rate occurs. Pump shutdown on power failure is most critical, as the rapid velocity change creates a low-pressure “downsurge” wave that travels the pipeline at velocities up to 4,000 fps. Depending on elevation, portions of the pipeline may be subject to vacuum pressures as low as -33.2 feet causing the water to “boil” and vapor cavities to form. Collapse of vapor cavities when the pipeline re-pressurizes can lead to severe “hammer-like” pressures that may rupture or damage the piping.

Anti-surge air valves can control downsurge pressures in the pipeline if properly sized and located along the profile. Pressure relief or surge anticipator valves can reduce the upsurge created on flow reversal. Pressurized air chambers limit downsurge and upsurge and is considered the most failsafe. Evaluation of these surge control options will be provided as deemed appropriate.

AEV



# CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)  
02/09/2021

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

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

<b>PRODUCER</b> Aon Risk Services Central, Inc. Pittsburgh PA Office EQT Plaza ~ Suite 2700 625 Liberty Avenue Pittsburgh PA 15222-3110 USA	<b>CONTACT NAME:</b> PHONE (A/C. No. Ext): (866) 283-7122      FAX (A/C. No.): (800) 363-0105 E-MAIL ADDRESS:		
	<b>INSURER(S) AFFORDING COVERAGE</b>		
<b>INSURED</b> Michael Baker International, Inc 5 Hutton Centre Drive Suite 500 Santa Ana CA 92707 USA	INSURER A:	American Casualty Co. of Reading PA	20427
	INSURER B:	Transportation Insurance Co.	20494
	INSURER C:	Continental Casualty Company	20443
	INSURER D:	Allied World National Assurance Company	10690
	INSURER E:	Allied World Surplus Lines Insurance Co	24319
	INSURER F:		

Holder Identifier : ABCDEF GH

**COVERAGES**      **CERTIFICATE NUMBER: 570083686273**      **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. **Limits shown are as requested**

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
C	COMMERCIAL GENERAL LIABILITY			6078988730	08/30/2020	08/30/2021	EACH OCCURRENCE	\$2,000,000
B	CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR			General Liability 6079257181 20-21 Stop Gap (US)	08/30/2020	08/30/2021	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$100,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						MED EXP (Any one person)	\$10,000
	POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC						PERSONAL & ADV INJURY	\$2,000,000
	OTHER:						GENERAL AGGREGATE	\$4,000,000
							PRODUCTS - COMP/OP AGG	\$4,000,000
C	AUTOMOBILE LIABILITY			BUA 6078988680	08/30/2020	08/30/2021	COMBINED SINGLE LIMIT (Ea accident)	\$2,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	
	<input type="checkbox"/> OWNED AUTOS ONLY						BODILY INJURY (Per accident)	
	<input type="checkbox"/> HIRED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	
D	UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB			03124809	08/30/2020	08/30/2021	EACH OCCURRENCE	\$10,000,000
	<input checked="" type="checkbox"/> OCCUR						AGGREGATE	\$10,000,000
	DED <input checked="" type="checkbox"/> RETENTION \$10,000							
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WC6078988713	08/30/2020	08/30/2021	<input checked="" type="checkbox"/> PER STATUTE	
B	ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		Y/N	AOS	08/30/2020	08/30/2021	E.L. EACH ACCIDENT	\$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC6078988727			E.L. DISEASE-EA EMPLOYEE	\$1,000,000
				WI			E.L. DISEASE-POLICY LIMIT	\$1,000,000
E	E&O-PL-Primary			03124806	08/30/2020	08/30/2021	Per Claim Aggregate	\$5,000,000 \$5,000,000
				Claims Made				
				SIR applies per policy terms & conditions				

APPROVED AS TO FORM  
By: *Scott Feldt*  
MICHAEL E. GATES  
CITY ATTORNEY  
CITY OF HUNTINGTON BEACH

Certificate No : 570083686273

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
RE: All Operations as performed by Named Insured. The City of Huntington Beach, its officers, elected or appointed officials, employees, agents and volunteers are additional insured as respect to General Liability policy as required by written contract. Primary and Non-Contributing coverage applies to General Liability policy as required by written contract.  
Deductibles: General Liability-\$5,000, Automobile Liability-\$1,000. SIRs: Professional Liability-\$0.

<b>CERTIFICATE HOLDER</b>  City of Huntington Beach Justin Wessels 2000 Main Street Huntington Beach CA 92648 USA	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE  <i>Aon Risk Services Central, Inc.</i>
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# CITY OF HUNTINGTON BEACH

## Public Works Department

Sean Crumby, PE  
Director of Public Works

### **Summary of Award for Professional Services Contracts for On-Call Water Engineering, Wastewater Engineering and Stormwater Engineering and Consulting Services.**

The request for proposal was advertised on Planet Bids on 11/06/2020. Approximately one thousand bidders were notified (refer to the attached bid summary from Planet Bids).

The following eighteen firms submitted statements of qualification in response to request for proposal.

Atkins North America, INC.  
Cannon Corporation  
Civiltec Engineering, Inc.  
Dahl, Taylor and Associates, Inc.  
DRP Engineering, Inc.  
Geosyntec Consultants  
GHD Inc.  
Huitt-Zollars, Inc.  
Hunsaker & Associates Irvine, Inc.  
kleinfelder inc.  
LEE & RO, Inc.  
Michael Baker International, Inc.  
NV5, Inc.  
Pacific Advanced Civil Engineering, Inc.  
Project Partners, Inc.  
Richard Brady & Associates  
SA Associates  
Tetra Tech

The selection of the Professional Services Contracts for On-Call Water Engineering, Wastewater Engineering and Stormwater Engineering and Consulting Services was in compliance with the Huntington Beach Municipal Code Section 3.03.04 Selection Guidelines.

## Bid Detail

Project Title RFQ On-Call Water, Wastewater and Stormwater Engineering Consulting Services  
 Invitation # 2020-1215  
 Bid Posting Date 11/06/2020 11:55 AM (PDT)  
 Project Stage Closed  
 Bid Due Date 12/15/2020 4:00 PM (PDT)  
 Response Format Electronic only  
 Link to Project on <https://pbsystem.planetbids.com/portal/15340/bo/bo-detail/78045>  
 Public Site  
 Reference ID

Project Type RFQual (Request for Qualification)  
 Response Types Cost File  
 Proposal-excluding cost file (required)  
 Type of Award Lump Sum  
 Categories 91842 - Engineering Consulting  
 91897 - Utilities: Gas, Water, Electric Consulting  
 92500 - Engineering Services, Professional

### License Requirements

Restriction None  
 Restricted To

Department Finance  
 Address 2000 Main Street  
 Huntington Beach, California  
 County Orange

Bid Valid  
 Liquidated Damages  
 Target Bid Amount  
 Estimated Bid Value  
 Start/Delivery Date April 2021  
 Project Duration 3 Years  
 Prevailing Wage No  
 Cooperative Bid No  
 Piggy-backable No  
 eBid Notes

## Bid Bond

Bid Bond 0.00%  
 Payment Bond 0.00%  
 Performance Bond 0.00%

## Pre-Bid Meeting Information

Pre-Bid Meeting No

## Online Q&A

Online Q&A Yes  
 Q&A Deadline 11/20/2020 5:00 PM (PDT)

## Contact Information

Contact Info Glynis Litvak - 714-536-5506  
 glynis.litvak@surfcity-hb.org  
 Bids to  
 Owner's Agent

## Description

Scope of Services The City of Huntington Beach is seeking qualifications from Water, Wastewater and Stormwater Engineering firms. Prevailing firms will provide on call consulting services for projects to be determined during the term of the contract. The City will issue task orders for each project based on scope, qualifications, work schedule and fee. For task orders greater than \$50,000 the City will typically solicit proposals for 2 or more qualified consultants.

Other Details  
 Notes  
 Special Notices  
 Local Programs &  
 Policies

## Documents

File Title	File Name	Status
RFQ Documents-Engineering Consultants	Huntington Beach_RFQ_On-Call_Water_Sewer_Final.pdf	On Server
Download Cost	\$0.00	

## Vendor Notification

BidBroadcast 250 **external** vendors notified  
Notifications

Agency Notifications 757 **City of Huntington Beach** vendors notified

11/06/2020 11:55 AM (PDT) 711 vendors notified

Vendors

- CAL PACIFIC LAND SERVICES, INC. (101182)
- Hunsaker & Associates Irvine, Inc. (101185)
- Guida Surveying Inc. (101216)
- Cannon Corporation (101217)
- Coast Surveying, Inc. (101226)
- CalRecovery, Inc. (101228)
- Geocon West, Inc. (101231)
- Michael Baker International, Inc. (101237)
- Pfeiler and Associates Engineers, Inc (101248)
- California Property Specialists, Inc. (101250)
- Fusco Engineering, Inc. (101260)
- Jacobs Associates (101263)
- Psomas (101266)
- URBAN RESOURCE (101279)
- GeoMat Testing Laboratories, Inc. (101307)
- GCM Consulting, Inc. (101335)
- SB&O, Inc. (101382)
- BMS Communications inc (101384)
- Stantec Consulting Services Inc (101440)
- RRM Design Group (101465)
- PacRim Engineering (101603)
- Converse Consultants (101642)
- Myers Houghton & Partners, Inc. (101860)
- Stantec Consulting Services Inc. (101865)
- David Taussig & Associates (101960)
- AESCO, Inc. (102090)
- IDS Group, Inc. (102274)
- Stantec Consulting Services, Inc (102288)
- Albus-Keefe & Associates, Inc. (102452)
- ENGlobal (102698)
- Christiansen Pipeline, Inc. (111901)
- Ninyo & Moore (124895)
- The Reynolds Group (125195)
- CAB Engineers, Inc. (127450)
- Aufbau Corp. (131147)
- LSA Associates, Inc. (131391)
- DKS Associates (131404)
- The Wild Horse Group (131455)
- FPL & Associates, Inc. (131564)
- UltraSystems Environmental | DBE/WBE/SBE (131609)
- Sam Schwartz Engineering (141117)
- Outsell Consulting LLC (141130)
- Professional Service Industries (141133)
- Sequoia Consultants (148176)
- Lewellyn Technology (155508)
- Xyon Business Solutions, Inc. (155691)
- Environmental Systems Research Institute, Inc (155767)
- Lionakis (156417)
- CSG Consultants, Inc. (160448)
- CES Group (177596)
- AndersonPenna Partners, Inc. (178015)